ANALYTICAL REPORT

Job Number: 280-19386-1

Job Description: FUDS MMRP SI - Pocatello BR No. 3

For:
Shaw Environmental & Infrastructure, Inc
312 Directors Drive
Knoxville, TN 37923

Attention: Mr. Tim Roth

Approved for release.
Elaine Walker
Project Manager I
9/26/2011 10:28 AM

Elaine Walker
Project Manager I
elaine.walker@testamericainc.com
09/26/2011
Revision: 1

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

The Lab Certification ID# is E87667.

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

TestAmerica Laboratories, Inc.
TestAmerica Denver 4955 Yarrow Street, Arvada, CO 80002
Tel (303) 736-0100 Fax (303) 431-7171 www.testamericainc.com

Table of Contents

Cover Title Page 1

Data Summaries 5

Report Narrative 5

Manual Integration Summary 7

Sample Summary 9

Executive Summary 10

Method Summary 11

Method / Analyst Summary 12

Sample Datasheets 13

Surrogate Summary 39

QC Data Summary 41

Data Qualifiers 53

QC Association Summary 54

Lab Chronicle 59

Certification Summary 65

Organic Sample Data 66

GC/MS Semi VOA 66

Method 8270C DOD 66

Method 8270C DOD QC Summary 67

Method 8270C DOD Sample Data 76

Standards Data 121

Method 8270C DOD ICAL Data 121

Method 8270C DOD CCAL Data 164

Raw QC Data 177

Method 8270C DOD Tune Data 177

Method 8270C DOD Blank Data 187

Table of Contents

Method 8270C DOD LCS/LCSD Data 192

Method 8270C DOD MS/MSD Data 197

Method 8270C DOD Run Logs 207

Method 8270C DOD Prep Data 219

HPLC/IC 221

Method 8330B 221

Method 8330B QC Summary 222

Method 8330B Sample Data 228

Standards Data 252

Method 8330B ICAL Data 252

Method 8330B CCAL Data 285

Raw QC Data 309

Method 8330B Blank Data 309

Method 8330B LCS/LCSD Data 315

Method 8330B MS/MSD Data 322

Method 8330B Run Logs 329

Method 8330B Prep Data 332

Inorganic Sample Data 334

Metals Data 334

Met Cover Page 335

Met Sample Data 336

Met QC Data 345

Met ICV/CCV 345

Met CRQL 353

Met Blanks 355

Met ICSA/ICSAB 361

Table of Contents

Met MS/MSD/PDS 367

Met LCS/LCSD 370

Met Serial Dilution 372

Met MDL 374

Met IECF 378

Met Linear Ranges 384

Met Preparation Log 386

Met Analysis Run Log 388

Met ICP/MS Tune 394

Met ICP/MS Int Stds 395

Met Raw Data 396

Met Prep Data 1245

Shipping and Receiving Documents 1247

Client Chain of Custody 1248

Sample Receipt Checklist 1250

CASE NARRATIVE
Client: Shaw Environmental & Infrastructure, Inc
Project: FUDS MMRP SI - Pocatello Bombing Range
Report Number: 280-19386-1

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

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

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

RECEIPT

Nine samples were received on 08/22/2011; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 4.3oC and 4.4oC.

MS/MSD analyses were requested and performed on sample NWO-178-0003 (280-19386-3).

The following sample(s) was air dried and sieved per the procedure; however, the sample(s) contained material that would not pass through the sieve: NWO-178-0001 (280-19386-1), NWO-178-0002 (280-19386-2), NWO-178-0003 (280-19386-3), NWO-178-0003 (280-19386-3 MS), NWO-178-0003 (280-19386-3 MSD), NWO-178-0004 (280-19386-4), NWO-178-0005 (280-19386-5), NWO-178-0006 (280-19386-6), NWO-178-0009 (280-19386-7), NWO-178-0010 (280-19386-8), and NWO-178-5001 (280-19386-9). This material was removed and not extracted. The material appeared to be rocks and vegetation.

SEMIVOLATILE ORGANICS

Samples NWO-178-0001 (280-19386-1), NWO-178-0002 (280-19386-2), NWO-178-0003 (280-19386-3), NWO-178-0004 (280-19386-4), NWO-178-0005 (280-19386-5), NWO-178-0006 (280-19386-6), NWO-178-0009 (280-19386-7), NWO-178-0010 (280-19386-8), and NWO-178-5001 (280-19386-9) were analyzed for semivolatile organics with multi-incremental preparation in accordance with EPA SW-846 Method 8270C. The samples were prepared on 08/24/2011 and analyzed on 08/30/2011.

No difficulties were encountered during the SVOC analyses.

All quality control parameters were within the acceptance limits.

EXPLOSIVES

Samples NWO-178-0001 (280-19386-1), NWO-178-0002 (280-19386-2), NWO-178-0003 (280-19386-3), NWO-178-0004 (280-19386-4), NWO-178-0005 (280-19386-5), NWO-178-0006 (280-19386-6), NWO-178-0009 (280-19386-7), and NWO-178-0010 (280-19386-8) were analyzed for explosives in accordance with EPA SW-846 Method 8330B. The samples prepared on 08/24/2011 and analyzed on 08/26/2011 and 08/27/2011.

The grinding laboratory control sample (LCSSRM) for batch 280-82896 exceeded control limits for the following analyte: PETN at 44%, with a lower limit of 60%. The LCS was in control. Therefore the extraction was in control. PETN is spiked in the LCSSRM at a level very near the reporting limit. This, along with interference from much larger peaks from other analytes eluting near PETN interfered with recovery and quantitation of PETN in the LCSSRM.

The matrix spike duplicate (MSD) recoveries for 2,4-dinitrotoluene (132%, with an upper limit of 125%), 2-amino-4,6-dinitrotoluene (33%, with a lower limit of 66%),and 4-amino-2,6-dinitrotoluene (0%, with a lower limit of 38%) for batch 280-82896, performed on sample NWO-178-0003 (280-19386-3), were outside control limits. The relative percent difference (RPD) between the MS and MSD samples also failed established limits for 2-amino-4,6-dinitrotoluene (101%) and 4-amino-2,6-dinitrotoluene (200%), with a limit of 30%. The matrix spike (MS) and associated laboratory control sample (LCS) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

No other difficulties were encountered during the explosives analyses.

All other quality control parameters were within the acceptance limits.

METALS (ALUMINUM)

Samples NWO-178-0001 (280-19386-1), NWO-178-0002 (280-19386-2), NWO-178-0003 (280-19386-3), NWO-178-0004 (280-19386-4), NWO-178-0005 (280-19386-5), NWO-178-0006 (280-19386-6), NWO-178-0009 (280-19386-7), NWO-178-0010 (280-19386-8), and NWO-178-5001 (280-19386-9) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 08/23/2011 and analyzed on 08/25/2011 and 08/26/2011.

Aluminum was detected in method blank MB 280-82729/1-A at a level that was above the method detection limit but below the reporting

limit. The value should be considered an estimate, and has been flagged “J”. The method blank contained Aluminum at a concentration that was greater than 1/2 the reporting limit (RL). The associated samples contained detects for this analyte at concentrations greater than 10X the value found in the method blank; therefore, re-extraction and/or reanalysis of samples were not performed. The associated sample results have been flagged accordingly.

Aluminum failed the recovery criteria high for the matrix spike (MS) and matrix spike duplicate (MSD) for sample NWO-178-0003MS (280-19386-3) in batch 280-83183 at 2317% and 1551% respectively, with an upper limit of 120%. The presence of the '4' qualifier in the report indicates where the analyte concentration in the unspiked sample exceeded four times the spiking amount. The associated laboratory control sample (LCS) recovery met acceptance criteria, and the sample results have been flagged accordingly.

Samples NWO-178-0001 (280-19386-1), NWO-178-0004 (280-19386-4), and NWO-178-0006 (280-19386-6) required dilutions prior to analysis due to the nature of the sample matrix. The Internal Standard was outside of the established control limits at a 1x dilution. The reporting limits (RLs) and method detection limits (MDLs) have been adjusted accordingly.

The Serial Dilution (SD) and Post Digestion Spike (PDS) were outside of the established control limits in analytical batch 280-83183, and the appropriate flag was applied.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

6020 (BARIUM)

Samples NWO-178-0001 (280-19386-1), NWO-178-0002 (280-19386-2), NWO-178-0003 (280-19386-3), NWO-178-0004 (280-19386-4), NWO-178-0005 (280-19386-5), NWO-178-0006 (280-19386-6), NWO-178-0009 (280-19386-7), NWO-178-0010 (280-19386-8), and NWO-178-5001 (280-19386-9) were analyzed for 6020 with Incremental preparation in accordance with EPA SW-846 6020. The samples were prepared and analyzed on 08/25/2011.

Barium failed the recovery criteria high for the MS and MSD of sample NWO-178-0003MS (280-19386-3) in batch 280-83216 at 274% and 251% respectively, with an upper limit of 120%. The presence of the '4' qualifier in the report indicates where the analyte concentration in the unspiked sample exceeded four times the spiking amount. The associated laboratory control sample (LCS) recovery met acceptance criteria, and the sample results have been flagged accordingly.

The SD and PDS were in control for the requested element. There were samples within the batch that were over 100x the MDL for Barium, so the PDS is not applicable.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

REVISION 1: SEPTEMBER 26, 2011

The units for 6020 Barium have been changed from ug/kg to mg/kg. Also, the project name for the SEDD EDD has been changed from FUDS MMRP SI NWO to FUDS MMRP NWO, and the following 8330B Explosives analyte names have been changed for the SEDD EDD: 2,4,6-Trinitrotoluene (TNT) has been changed to 2,4,6-Trinitrotoluene; Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX) has been changed to Hexahydro-1,3,5-Trinitro-1,3,5-Triazine; Octahydro-Tetranitro-1,3,5,7-Tetrazocine (HMX) has been changed to Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine; Methyl-2,4,6-Trinitrophenylnitramine (TETRY) has been changed to Methyl-2,4,6-Trinitrophenylnitramine, and PETN has been changed to Pentaerythritol Tetranitrate.

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Instrument ID: CHHPLCX4_C18 Analysis Batch Number: 78309

Lab Sample ID: IC 280-78309/14 Client Sample ID:

Date Analyzed: 07/26/11 22:33 Lab File ID: 07260014.D GC Column: UltraCarb5uOD ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Dinitrobenzene	10.25	Incomplete Integration	kellisonm	07/27/11 10:34
Tetryl	10.53	Incomplete Integration	kellisonm	07/27/11 10:34
Nitrobenzene	10.73	Incomplete Integration	kellisonm	07/27/11 10:34
4-Amino-2,6-dinitrotoluene	11.59	Incomplete Integration	kellisonm	07/27/11 10:34
2-Amino-4,6-dinitrotoluene	11.95	Incomplete Integration	kellisonm	07/27/11 10:34
2,6-Dinitrotoluene	12.19	Incomplete Integration	kellisonm	07/27/11 10:34
2,4-Dinitrotoluene	12.46	Incomplete Integration	kellisonm	07/27/11 10:34
PETN	14.17	Incomplete Integration	kellisonm	07/27/11 10:37
3-Nitrotoluene	14.33	Incomplete Integration	kellisonm	07/27/11 10:34

IAF
9/9/11

8330B

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Instrument ID: CHHPLCX4_C18 Analysis Batch Number: 83223

Lab Sample ID: LCSSRM 280-82481/21-B Client Sample ID:

Date Analyzed: 08/26/11 21:57 Lab File ID: 08260029.D GC Column: UltraCarb5uOD ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitroglycerin	10.83	Assign Peak	kellisonm	08/29/11 00:00

Lab Sample ID: 280-19386-3 MSD Client Sample ID: NWO-178-0003 MSD

Date Analyzed: 08/27/11 01:27 Lab File ID: 08260037.D GC Column: UltraCarb5uOD ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4,6-Trinitrotoluene	11.34	Incomplete Integration	kellisonm	08/29/11 10:03

MC 9/9/11

8330B

SAMPLE SUMMARY

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-19386-1	NWO-178-0001	Solid	08/18/2011 1551	08/22/2011 1010
280-19386-2	NWO-178-0002	Solid	08/19/2011 1617	08/22/2011 1010
280-19386-3	NWO-178-0003	Solid	08/19/2011 1506	08/22/2011 1010
280-19386-3MS	NWO-178-0003	Solid	08/19/2011 1506	08/22/2011 1010
280-19386-3MSD	NWO-178-0003	Solid	08/19/2011 1506	08/22/2011 1010
280-19386-4	NWO-178-0004	Solid	08/20/2011 0938	08/22/2011 1010
280-19386-5	NWO-178-0005	Solid	08/19/2011 1051	08/22/2011 1010
280-19386-6	NWO-178-0006	Solid	08/18/2011 1735	08/22/2011 1010
280-19386-7	NWO-178-0009	Solid	08/18/2011 1649	08/22/2011 1010
280-19386-8	NWO-178-0010	Solid	08/19/2011 0921	08/22/2011 1010
280-19386-9	NWO-178-5001	Solid	08/17/2011 1740	08/22/2011 1010

EXECUTIVE SUMMARY - Detections

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-19386-1	**NWO-178-0001**					
Aluminum		15300	B J	245	mg/Kg	6010B
Barium		174		0.229	mg/Kg	6020
280-19386-2	**NWO-178-0002**					
Aluminum		12300	B J	48.4	mg/Kg	6010B
Barium		187		0.240	mg/Kg	6020
280-19386-3	**NWO-178-0003**					
Aluminum		11900	J B	47.3	mg/Kg	6010B
Barium		181	J	0.249	mg/Kg	6020
280-19386-4	**NWO-178-0004**					
Aluminum		13400	B J	233	mg/Kg	6010B
Barium		223		0.249	mg/Kg	6020
280-19386-5	**NWO-178-0005**					
Aluminum		11300	B J	49.5	mg/Kg	6010B
Barium		174		0.244	mg/Kg	6020
280-19386-6	**NWO-178-0006**					
Aluminum		16100	B J	246	mg/Kg	6010B
Barium		180		0.235	mg/Kg	6020
280-19386-7	**NWO-178-0009**					
Aluminum		10300	B J	47.1	mg/Kg	6010B
Barium		209		0.246	mg/Kg	6020
280-19386-8	**NWO-178-0010**					
Aluminum		10400	B J	48.5	mg/Kg	6010B
Barium		176		0.229	mg/Kg	6020
280-19386-9	**NWO-178-5001**					
Aluminum		10400	B J	46.1	mg/Kg	6010B
Barium		205		0.240	mg/Kg	6020

METHOD SUMMARY

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Semivolatile Organic Compounds (GC/MS)	TAL DEN	SW846 8270C/DoD	
Incremental Sample Preparation			EPA Increm, Prep
Ultrasonic Extraction			SW846 3550C
Nitroaromatics and Nitramines (HPLC)	TAL DEN	SW846 8330B	
Extraction (Explosives) - Ring Puck			SW846 8330
Sonication Extraction (Explosives)			SW846 8330B
Metals (ICP)	TAL DEN	SW846 6010B	
Incremental Sample Preparation			EPA Increm, Prep
Preparation, Metals			SW846 3050B
Metals (ICP/MS)	TAL DEN	SW846 6020	
Incremental Sample Preparation			EPA Increm, Prep
Preparation, Metals			SW846 3050B

Lab References:

TAL DEN = TestAmerica Denver

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Method	Analyst	Analyst ID
SW846 8270C/DoD	Tinkham, Sarah A	SAT
SW846 6010B	Harre, John K	JKH
SW846 6020	Lill, Thomas E	TEL
SW846 8330B	Kellison, Michael P	MK

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Client Sample ID: **NWO-178-0001**

Lab Sample ID: 280-19386-1

Client Matrix: Solid

Date Sampled: 08/18/2011 1551

Date Received: 08/22/2011 1010

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

Analysis Method:	8270C/DoD	Analysis Batch:	280-83782	Instrument ID:	MSS_Y
Prep Method:	3550C	Prep Batch:	280-82751	Lab File ID:	Y2545.D
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	31 g
Analysis Date:	08/30/2011 0249			Final Weight/Volume:	1000 uL
Prep Date:	08/24/2011 0940			Injection Volume:	0.5 uL
Leach Date:	08/22/2011 1424				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Anthracene		16.5	U	16.5	319
Hexachloroethane		20.6	U	20.6	319

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	81		45 - 105
2-Fluorophenol (Surr)	84		35 - 105
Nitrobenzene-d5 (Surr)	80		35 - 100
Terphenyl-d14 (Surr)	87		30 - 125
2,4,6-Tribromophenol (Surr)	94		35 - 125
Phenol-d5 (Surr)	87		40 - 100

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Client Sample ID: **NWO-178-0002**

Lab Sample ID: 280-19386-2

Client Matrix: Solid

Date Sampled: 08/19/2011 1617

Date Received: 08/22/2011 1010

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

Analysis Method:	8270C/DoD	Analysis Batch:	280-83782	Instrument ID:	MSS_Y
Prep Method:	3550C	Prep Batch:	280-82751	Lab File ID:	Y2546.D
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	30.2 g
Analysis Date:	08/30/2011 0309			Final Weight/Volume:	1000 uL
Prep Date:	08/24/2011 0940			Injection Volume:	0.5 uL
Leach Date:	08/22/2011 1424				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Anthracene		16.9	U	16.9	328
Hexachloroethane		21.2	U	21.2	328

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	78		45 - 105
2-Fluorophenol (Surr)	80		35 - 105
Nitrobenzene-d5 (Surr)	74		35 - 100
Terphenyl-d14 (Surr)	84		30 - 125
2,4,6-Tribromophenol (Surr)	91		35 - 125
Phenol-d5 (Surr)	83		40 - 100

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Client Sample ID: **NWO-178-0003**

Lab Sample ID: 280-19386-3

Client Matrix: Solid

Date Sampled: 08/19/2011 1506

Date Received: 08/22/2011 1010

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

Analysis Method:	8270C/DoD	Analysis Batch:	280-83782	Instrument ID:	MSS_Y
Prep Method:	3550C	Prep Batch:	280-82751	Lab File ID:	Y2547.D
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	33 g
Analysis Date:	08/30/2011 0329			Final Weight/Volume:	1000 uL
Prep Date:	08/24/2011 0940			Injection Volume:	0.5 uL
Leach Date:	08/22/2011 1424				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Anthracene		15.5	U	15.5	300
Hexachloroethane		19.4	U	19.4	300

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	82		45 - 105
2-Fluorophenol (Surr)	85		35 - 105
Nitrobenzene-d5 (Surr)	80		35 - 100
Terphenyl-d14 (Surr)	92		30 - 125
2,4,6-Tribromophenol (Surr)	96		35 - 125
Phenol-d5 (Surr)	86		40 - 100

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Client Sample ID: **NWO-178-0004**

Lab Sample ID: 280-19386-4

Client Matrix: Solid

Date Sampled: 08/20/2011 0938

Date Received: 08/22/2011 1010

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

Analysis Method:	8270C/DoD	Analysis Batch:	280-83782	Instrument ID:	MSS_Y
Prep Method:	3550C	Prep Batch:	280-82751	Lab File ID:	Y2550.D
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	30.8 g
Analysis Date:	08/30/2011 0430			Final Weight/Volume:	1000 uL
Prep Date:	08/24/2011 0940			Injection Volume:	0.5 uL
Leach Date:	08/22/2011 1424				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Anthracene		16.6	U	16.6	321
Hexachloroethane		20.7	U	20.7	321

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	75		45 - 105
2-Fluorophenol (Surr)	77		35 - 105
Nitrobenzene-d5 (Surr)	74		35 - 100
Terphenyl-d14 (Surr)	94		30 - 125
2,4,6-Tribromophenol (Surr)	99		35 - 125
Phenol-d5 (Surr)	80		40 - 100

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Client Sample ID: **NWO-178-0005**

Lab Sample ID: 280-19386-5

Client Matrix: Solid

Date Sampled: 08/19/2011 1051

Date Received: 08/22/2011 1010

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

Analysis Method:	8270C/DoD	Analysis Batch:	280-83782	Instrument ID:	MSS_Y
Prep Method:	3550C	Prep Batch:	280-82751	Lab File ID:	Y2551.D
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	30.1 g
Analysis Date:	08/30/2011 0451			Final Weight/Volume:	1000 uL
Prep Date:	08/24/2011 0940			Injection Volume:	0.5 uL
Leach Date:	08/22/2011 1424				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Anthracene		16.9	U	16.9	329
Hexachloroethane		21.2	U	21.2	329

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	80		45 - 105
2-Fluorophenol (Surr)	84		35 - 105
Nitrobenzene-d5 (Surr)	80		35 - 100
Terphenyl-d14 (Surr)	95		30 - 125
2,4,6-Tribromophenol (Surr)	99		35 - 125
Phenol-d5 (Surr)	85		40 - 100

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Client Sample ID: **NWO-178-0006**

Lab Sample ID: 280-19386-6

Client Matrix: Solid

Date Sampled: 08/18/2011 1735

Date Received: 08/22/2011 1010

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

Analysis Method:	8270C/DoD	Analysis Batch:	280-83782	Instrument ID:	MSS_Y
Prep Method:	3550C	Prep Batch:	280-82751	Lab File ID:	Y2552.D
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	31.0 g
Analysis Date:	08/30/2011 0511			Final Weight/Volume:	1000 uL
Prep Date:	08/24/2011 0940			Injection Volume:	0.5 uL
Leach Date:	08/22/2011 1424				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Anthracene		16.5	U	16.5	319
Hexachloroethane		20.6	U	20.6	319

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	78		45 - 105
2-Fluorophenol (Surr)	78		35 - 105
Nitrobenzene-d5 (Surr)	75		35 - 100
Terphenyl-d14 (Surr)	86		30 - 125
2,4,6-Tribromophenol (Surr)	95		35 - 125
Phenol-d5 (Surr)	82		40 - 100

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Client Sample ID: **NWO-178-0009**

Lab Sample ID: 280-19386-7

Client Matrix: Solid

Date Sampled: 08/18/2011 1649

Date Received: 08/22/2011 1010

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

Analysis Method:	8270C/DoD	Analysis Batch:	280-83782	Instrument ID:	MSS_Y
Prep Method:	3550C	Prep Batch:	280-82751	Lab File ID:	Y2553.D
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	30.4 g
Analysis Date:	08/30/2011 0531			Final Weight/Volume:	1000 uL
Prep Date:	08/24/2011 0940			Injection Volume:	0.5 uL
Leach Date:	08/22/2011 1424				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Anthracene		16.8	U	16.8	326
Hexachloroethane		21.0	U	21.0	326

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	77		45 - 105
2-Fluorophenol (Surr)	78		35 - 105
Nitrobenzene-d5 (Surr)	75		35 - 100
Terphenyl-d14 (Surr)	85		30 - 125
2,4,6-Tribromophenol (Surr)	91		35 - 125
Phenol-d5 (Surr)	82		40 - 100

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Client Sample ID: **NWO-178-0010**

Lab Sample ID: 280-19386-8

Client Matrix: Solid

Date Sampled: 08/19/2011 0921

Date Received: 08/22/2011 1010

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

Analysis Method:	8270C/DoD	Analysis Batch:	280-83782	Instrument ID:	MSS_Y
Prep Method:	3550C	Prep Batch:	280-82751	Lab File ID:	Y2554.D
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	30.9 g
Analysis Date:	08/30/2011 0551			Final Weight/Volume:	1000 uL
Prep Date:	08/24/2011 0940			Injection Volume:	0.5 uL
Leach Date:	08/22/2011 1434				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Anthracene		16.5	U	16.5	320
Hexachloroethane		20.7	U	20.7	320

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	75		45 - 105
2-Fluorophenol (Surr)	76		35 - 105
Nitrobenzene-d5 (Surr)	70		35 - 100
Terphenyl-d14 (Surr)	85		30 - 125
2,4,6-Tribromophenol (Surr)	91		35 - 125
Phenol-d5 (Surr)	81		40 - 100

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Client Sample ID: **NWO-178-5001**

Lab Sample ID: 280-19386-9

Client Matrix: Solid

Date Sampled: 08/17/2011 1740

Date Received: 08/22/2011 1010

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

Analysis Method:	8270C/DoD	Analysis Batch:	280-83782	Instrument ID:	MSS_Y
Prep Method:	3550C	Prep Batch:	280-82751	Lab File ID:	Y2555.D
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	30.9 g
Analysis Date:	08/30/2011 0612			Final Weight/Volume:	1000 uL
Prep Date:	08/24/2011 0940			Injection Volume:	0.5 uL
Leach Date:	08/22/2011 1435				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Anthracene		16.5	U	16.5	320
Hexachloroethane		20.7	U	20.7	320

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	76		45 - 105
2-Fluorophenol (Surr)	78		35 - 105
Nitrobenzene-d5 (Surr)	76		35 - 100
Terphenyl-d14 (Surr)	89		30 - 125
2,4,6-Tribromophenol (Surr)	92		35 - 125
Phenol-d5 (Surr)	80		40 - 100

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Client Sample ID: **NWO-178-0001**

Lab Sample ID: 280-19386-1

Client Matrix: Solid

Date Sampled: 08/18/2011 1551

Date Received: 08/22/2011 1010

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	280-83223	Instrument ID:	CHHPLCX4_C18
Prep Method:	8330B	Prep Batch:	280-82896	Initial Weight/Volume:	10.61 g
Dilution:	1.0	Leach Batch:	280-82481	Final Weight/Volume:	40000 uL
Analysis Date:	08/26/2011 2342			Injection Volume:	100 uL
Prep Date:	08/24/2011 2028			Result Type:	PRIMARY
Leach Date:	08/22/2011 1416				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
2-Amino-4,6-dinitrotoluene		0.0310	U	0.0310	0.0943
4-Amino-2,6-dinitrotoluene		0.0282	U	0.0282	0.0943
2,4-Dinitrotoluene		0.0139	U	0.0139	0.0943
2,6-Dinitrotoluene		0.0180	U	0.0180	0.0943
Nitroglycerin		0.203	U	0.203	1.89
2-Nitrotoluene		0.0445	U	0.0445	0.189
3-Nitrotoluene		0.0603	U	0.0603	0.189
Nitrobenzene		0.0801	U	0.0801	0.283
4-Nitrotoluene		0.0344	U	0.0344	0.189
1,3,5-Trinitrobenzene		0.0130	U	0.0130	0.0943
1,3-Dinitrobenzene		0.0156	U	0.0156	0.0943
HMX		0.0214	U	0.0214	0.0943
RDX		0.0405	U	0.0405	0.189
Tetryl		0.0414	U	0.0414	0.189
PETN		0.465	U	0.465	1.89
2,4,6-Trinitrotoluene		0.0289	U	0.0289	0.0943

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dinitrobenzene	98		83 - 122

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Client Sample ID: **NWO-178-0002**

Lab Sample ID: 280-19386-2

Client Matrix: Solid

Date Sampled: 08/19/2011 1617

Date Received: 08/22/2011 1010

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	280-83223	Instrument ID:	CHHPLCX4_C18
Prep Method:	8330B	Prep Batch:	280-82896	Initial Weight/Volume:	10.60 g
Dilution:	1.0	Leach Batch:	280-82481	Final Weight/Volume:	40000 uL
Analysis Date:	08/27/2011 0008			Injection Volume:	100 uL
Prep Date:	08/24/2011 2028			Result Type:	PRIMARY
Leach Date:	08/22/2011 1416				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
2-Amino-4,6-dinitrotoluene		0.0310	U	0.0310	0.0943
4-Amino-2,6-dinitrotoluene		0.0282	U	0.0282	0.0943
2,4-Dinitrotoluene		0.0139	U	0.0139	0.0943
2,6-Dinitrotoluene		0.0180	U	0.0180	0.0943
Nitroglycerin		0.203	U	0.203	1.89
2-Nitrotoluene		0.0445	U	0.0445	0.189
3-Nitrotoluene		0.0604	U	0.0604	0.189
Nitrobenzene		0.0802	U	0.0802	0.283
4-Nitrotoluene		0.0344	U	0.0344	0.189
1,3,5-Trinitrobenzene		0.0130	U	0.0130	0.0943
1,3-Dinitrobenzene		0.0157	U	0.0157	0.0943
HMX		0.0214	U	0.0214	0.0943
RDX		0.0406	U	0.0406	0.189
Tetryl		0.0414	U	0.0414	0.189
PETN		0.465	U	0.465	1.89
2,4,6-Trinitrotoluene		0.0290	U	0.0290	0.0943

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dinitrobenzene	96		83 - 122

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Client Sample ID: **NWO-178-0003**

Lab Sample ID: 280-19386-3

Client Matrix: Solid

Date Sampled: 08/19/2011 1506

Date Received: 08/22/2011 1010

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	280-83223	Instrument ID:	CHHPLCX4_C18
Prep Method:	8330B	Prep Batch:	280-82896	Initial Weight/Volume:	10.11 g
Dilution:	1.0	Leach Batch:	280-82481	Final Weight/Volume:	40000 uL
Analysis Date:	08/27/2011 0035			Injection Volume:	100 uL
Prep Date:	08/24/2011 2028			Result Type:	PRIMARY
Leach Date:	08/22/2011 1416				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
2-Amino-4,6-dinitrotoluene		0.0325	U J	0.0325	0.0989
4-Amino-2,6-dinitrotoluene		0.0296	U J	0.0296	0.0989
2,4-Dinitrotoluene		0.0145	U J	0.0145	0.0989
2,6-Dinitrotoluene		0.0189	U	0.0189	0.0989
Nitroglycerin		0.213	U	0.213	1.98
2-Nitrotoluene		0.0467	U	0.0467	0.198
3-Nitrotoluene		0.0633	U	0.0633	0.198
Nitrobenzene		0.0841	U	0.0841	0.297
4-Nitrotoluene		0.0361	U	0.0361	0.198
1,3,5-Trinitrobenzene		0.0136	U	0.0136	0.0989
1,3-Dinitrobenzene		0.0164	U	0.0164	0.0989
HMX		0.0225	U	0.0225	0.0989
RDX		0.0425	U	0.0425	0.198
Tetryl		0.0434	U	0.0434	0.198
PETN		0.488	U	0.488	1.98
2,4,6-Trinitrotoluene		0.0304	U	0.0304	0.0989

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dinitrobenzene	95		83 - 122

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Client Sample ID: **NWO-178-0004**

Lab Sample ID: 280-19386-4

Client Matrix: Solid

Date Sampled: 08/20/2011 0938

Date Received: 08/22/2011 1010

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	280-83223	Instrument ID:	CHHPLCX4_C18
Prep Method:	8330B	Prep Batch:	280-82896	Initial Weight/Volume:	10.47 g
Dilution:	1.0	Leach Batch:	280-82481	Final Weight/Volume:	40000 uL
Analysis Date:	08/27/2011 0154			Injection Volume:	100 uL
Prep Date:	08/24/2011 2028			Result Type:	PRIMARY
Leach Date:	08/22/2011 1416				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
2-Amino-4,6-dinitrotoluene		0.0314	U	0.0314	0.0955
4-Amino-2,6-dinitrotoluene		0.0286	U	0.0286	0.0955
2,4-Dinitrotoluene		0.0140	U	0.0140	0.0955
2,6-Dinitrotoluene		0.0182	U	0.0182	0.0955
Nitroglycerin		0.205	U	0.205	1.91
2-Nitrotoluene		0.0451	U	0.0451	0.191
3-Nitrotoluene		0.0611	U	0.0611	0.191
Nitrobenzene		0.0812	U	0.0812	0.287
4-Nitrotoluene		0.0349	U	0.0349	0.191
1,3,5-Trinitrobenzene		0.0132	U	0.0132	0.0955
1,3-Dinitrobenzene		0.0159	U	0.0159	0.0955
HMX		0.0217	U	0.0217	0.0955
RDX		0.0411	U	0.0411	0.191
Tetryl		0.0419	U	0.0419	0.191
PETN		0.471	U	0.471	1.91
2,4,6-Trinitrotoluene		0.0293	U	0.0293	0.0955

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dinitrobenzene	101		83 - 122

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Client Sample ID: **NWO-178-0005**

Lab Sample ID: 280-19386-5

Client Matrix: Solid

Date Sampled: 08/19/2011 1051

Date Received: 08/22/2011 1010

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	280-83223	Instrument ID:	CHHPLCX4_C18
Prep Method:	8330B	Prep Batch:	280-82896	Initial Weight/Volume:	10.61 g
Dilution:	1.0	Leach Batch:	280-82481	Final Weight/Volume:	40000 uL
Analysis Date:	08/27/2011 0220			Injection Volume:	100 uL
Prep Date:	08/24/2011 2028			Result Type:	PRIMARY
Leach Date:	08/22/2011 1416				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
2-Amino-4,6-dinitrotoluene		0.0310	U	0.0310	0.0943
4-Amino-2,6-dinitrotoluene		0.0282	U	0.0282	0.0943
2,4-Dinitrotoluene		0.0139	U	0.0139	0.0943
2,6-Dinitrotoluene		0.0180	U	0.0180	0.0943
Nitroglycerin		0.203	U	0.203	1.89
2-Nitrotoluene		0.0445	U	0.0445	0.189
3-Nitrotoluene		0.0603	U	0.0603	0.189
Nitrobenzene		0.0801	U	0.0801	0.283
4-Nitrotoluene		0.0344	U	0.0344	0.189
1,3,5-Trinitrobenzene		0.0130	U	0.0130	0.0943
1,3-Dinitrobenzene		0.0156	U	0.0156	0.0943
HMX		0.0214	U	0.0214	0.0943
RDX		0.0405	U	0.0405	0.189
Tetryl		0.0414	U	0.0414	0.189
PETN		0.465	U	0.465	1.89
2,4,6-Trinitrotoluene		0.0289	U	0.0289	0.0943

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dinitrobenzene	94		83 - 122

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Client Sample ID: **NWO-178-0006**

Lab Sample ID: 280-19386-6

Client Matrix: Solid

Date Sampled: 08/18/2011 1735

Date Received: 08/22/2011 1010

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	280-83223	Instrument ID:	CHHPLCX4_C18
Prep Method:	8330B	Prep Batch:	280-82896	Initial Weight/Volume:	10.34 g
Dilution:	1.0	Leach Batch:	280-82481	Final Weight/Volume:	40000 uL
Analysis Date:	08/27/2011 0246			Injection Volume:	100 uL
Prep Date:	08/24/2011 2028			Result Type:	PRIMARY
Leach Date:	08/22/2011 1416				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
2-Amino-4,6-dinitrotoluene		0.0318	U	0.0318	0.0967
4-Amino-2,6-dinitrotoluene		0.0289	U	0.0289	0.0967
2,4-Dinitrotoluene		0.0142	U	0.0142	0.0967
2,6-Dinitrotoluene		0.0185	U	0.0185	0.0967
Nitroglycerin		0.208	U	0.208	1.93
2-Nitrotoluene		0.0456	U	0.0456	0.193
3-Nitrotoluene		0.0619	U	0.0619	0.193
Nitrobenzene		0.0822	U	0.0822	0.290
4-Nitrotoluene		0.0353	U	0.0353	0.193
1,3,5-Trinitrobenzene		0.0133	U	0.0133	0.0967
1,3-Dinitrobenzene		0.0161	U	0.0161	0.0967
HMX		0.0220	U	0.0220	0.0967
RDX		0.0416	U	0.0416	0.193
Tetryl		0.0425	U	0.0425	0.193
PETN		0.477	U	0.477	1.93
2,4,6-Trinitrotoluene		0.0297	U	0.0297	0.0967

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dinitrobenzene	89		83 - 122

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Client Sample ID: **NWO-178-0009**

Lab Sample ID: 280-19386-7

Client Matrix: Solid

Date Sampled: 08/18/2011 1649

Date Received: 08/22/2011 1010

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	280-83223	Instrument ID:	CHHPLCX4_C18
Prep Method:	8330B	Prep Batch:	280-82896	Initial Weight/Volume:	10.46 g
Dilution:	1.0	Leach Batch:	280-82481	Final Weight/Volume:	40000 uL
Analysis Date:	08/27/2011 0313			Injection Volume:	100 uL
Prep Date:	08/24/2011 2028			Result Type:	PRIMARY
Leach Date:	08/22/2011 1416				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
2-Amino-4,6-dinitrotoluene		0.0315	U	0.0315	0.0956
4-Amino-2,6-dinitrotoluene		0.0286	U	0.0286	0.0956
2,4-Dinitrotoluene		0.0141	U	0.0141	0.0956
2,6-Dinitrotoluene		0.0183	U	0.0183	0.0956
Nitroglycerin		0.206	U	0.206	1.91
2-Nitrotoluene		0.0451	U	0.0451	0.191
3-Nitrotoluene		0.0612	U	0.0612	0.191
Nitrobenzene		0.0813	U	0.0813	0.287
4-Nitrotoluene		0.0349	U	0.0349	0.191
1,3,5-Trinitrobenzene		0.0132	U	0.0132	0.0956
1,3-Dinitrobenzene		0.0159	U	0.0159	0.0956
HMX		0.0217	U	0.0217	0.0956
RDX		0.0411	U	0.0411	0.191
Tetryl		0.0420	U	0.0420	0.191
PETN		0.471	U	0.471	1.91
2,4,6-Trinitrotoluene		0.0293	U	0.0293	0.0956

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dinitrobenzene	98		83 - 122

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Client Sample ID: **NWO-178-0010**

Lab Sample ID: 280-19386-8

Client Matrix: Solid

Date Sampled: 08/19/2011 0921

Date Received: 08/22/2011 1010

8330B Nitroaromatics and Nitramines (HPLC)

Analysis Method:	8330B	Analysis Batch:	280-83223	Instrument ID:	CHHPLCX4_C18
Prep Method:	8330B	Prep Batch:	280-82896	Initial Weight/Volume:	10.02 g
Dilution:	1.0	Leach Batch:	280-82481	Final Weight/Volume:	40000 uL
Analysis Date:	08/27/2011 0339			Injection Volume:	100 uL
Prep Date:	08/24/2011 2028			Result Type:	PRIMARY
Leach Date:	08/22/2011 1416				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
2-Amino-4,6-dinitrotoluene		0.0328	U	0.0328	0.0998
4-Amino-2,6-dinitrotoluene		0.0298	U	0.0298	0.0998
2,4-Dinitrotoluene		0.0147	U	0.0147	0.0998
2,6-Dinitrotoluene		0.0191	U	0.0191	0.0998
Nitroglycerin		0.215	U	0.215	2.00
2-Nitrotoluene		0.0471	U	0.0471	0.200
3-Nitrotoluene		0.0639	U	0.0639	0.200
Nitrobenzene		0.0848	U	0.0848	0.299
4-Nitrotoluene		0.0364	U	0.0364	0.200
1,3,5-Trinitrobenzene		0.0138	U	0.0138	0.0998
1,3-Dinitrobenzene		0.0166	U	0.0166	0.0998
HMX		0.0227	U	0.0227	0.0998
RDX		0.0429	U	0.0429	0.200
Tetryl		0.0438	U	0.0438	0.200
PETN		0.492	U	0.492	2.00
2,4,6-Trinitrotoluene		0.0306	U	0.0306	0.0998

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dinitrobenzene	98		83 - 122

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Client Sample ID: **NWO-178-0001**

Lab Sample ID: 280-19386-1

Client Matrix: Solid

Date Sampled: 08/18/2011 1551

Date Received: 08/22/2011 1010

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-83441	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-82729	Lab File ID:	26A1082611.asc
Dilution:	5.0	Leach Batch:	280-82483	Initial Weight/Volume:	10.21 g
Analysis Date:	08/26/2011 1533			Final Weight/Volume:	500 mL
Prep Date:	08/23/2011 2026				
Leach Date:	08/22/2011 1424				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		15300	B J	7.59	245

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-83216	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-82731	Lab File ID:	032SMPL.D
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	10.91 g
Analysis Date:	08/25/2011 2205			Final Weight/Volume:	500 mL
Prep Date:	08/25/2011 0600				
Leach Date:	08/22/2011 1424				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Barium		174		0.0323	0.229

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Client Sample ID: **NWO-178-0002**

Lab Sample ID: 280-19386-2

Client Matrix: Solid

Date Sampled: 08/19/2011 1617

Date Received: 08/22/2011 1010

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-83183	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-82729	Lab File ID:	26A2082511.asc
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	10.33 g
Analysis Date:	08/25/2011 1619			Final Weight/Volume:	500 mL
Prep Date:	08/23/2011 2026				
Leach Date:	08/22/2011 1424				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		12300	B J	1.50	48.4

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-83216	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-82731	Lab File ID:	033SMPL.D
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	10.42 g
Analysis Date:	08/25/2011 2208			Final Weight/Volume:	500 mL
Prep Date:	08/25/2011 0600				
Leach Date:	08/22/2011 1424				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Barium		187		0.0338	0.240

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Client Sample ID: **NWO-178-0003**

Lab Sample ID: 280-19386-3

Client Matrix: Solid

Date Sampled: 08/19/2011 1506

Date Received: 08/22/2011 1010

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-83183	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-82729	Lab File ID:	26A2082511.asc
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	10.56 g
Analysis Date:	08/25/2011 1622			Final Weight/Volume:	500 mL
Prep Date:	08/23/2011 2026				
Leach Date:	08/22/2011 1424				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		11900	J B	1.47	47.3

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-83216	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-82731	Lab File ID:	034AREF.D
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	10.06 g
Analysis Date:	08/25/2011 2211			Final Weight/Volume:	500 mL
Prep Date:	08/25/2011 0600				
Leach Date:	08/22/2011 1424				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Barium		181	J	0.0350	0.249

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Client Sample ID: **NWO-178-0004**

Lab Sample ID: 280-19386-4

Client Matrix: Solid

Date Sampled: 08/20/2011 0938

Date Received: 08/22/2011 1010

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-83441	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-82729	Lab File ID:	26A1082611.asc
Dilution:	5.0	Leach Batch:	280-82483	Initial Weight/Volume:	10.72 g
Analysis Date:	08/26/2011 1536			Final Weight/Volume:	500 mL
Prep Date:	08/23/2011 2026				
Leach Date:	08/22/2011 1424				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		13400	B J	7.23	233

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-83216	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-82731	Lab File ID:	042SMPL.D
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	10.05 g
Analysis Date:	08/25/2011 2234			Final Weight/Volume:	500 mL
Prep Date:	08/25/2011 0600				
Leach Date:	08/22/2011 1424				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Barium		223		0.0351	0.249

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Client Sample ID: **NWO-178-0005**

Lab Sample ID: 280-19386-5

Client Matrix: Solid

Date Sampled: 08/19/2011 1051

Date Received: 08/22/2011 1010

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-83183	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-82729	Lab File ID:	26A2082511.asc
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	10.10 g
Analysis Date:	08/25/2011 1652			Final Weight/Volume:	500 mL
Prep Date:	08/23/2011 2026				
Leach Date:	08/22/2011 1424				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		11300	B J	1.53	49.5

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-83216	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-82731	Lab File ID:	043SMPL.D
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	10.26 g
Analysis Date:	08/25/2011 2237			Final Weight/Volume:	500 mL
Prep Date:	08/25/2011 0600				
Leach Date:	08/22/2011 1424				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Barium		174		0.0344	0.244

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Client Sample ID: **NWO-178-0006**

Lab Sample ID: 280-19386-6

Client Matrix: Solid

Date Sampled: 08/18/2011 1735

Date Received: 08/22/2011 1010

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-83441	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-82729	Lab File ID:	26A1082611.asc
Dilution:	5.0	Leach Batch:	280-82483	Initial Weight/Volume:	10.18 g
Analysis Date:	08/26/2011 1538			Final Weight/Volume:	500 mL
Prep Date:	08/23/2011 2026				
Leach Date:	08/22/2011 1424				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		16100	B J	7.61	246

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-83216	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-82731	Lab File ID:	044SMPL.D
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	10.66 g
Analysis Date:	08/25/2011 2240			Final Weight/Volume:	500 mL
Prep Date:	08/25/2011 0600				
Leach Date:	08/22/2011 1424				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Barium		180		0.0331	0.235

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Client Sample ID: **NWO-178-0009**

Lab Sample ID: 280-19386-7

Client Matrix: Solid

Date Sampled: 08/18/2011 1649

Date Received: 08/22/2011 1010

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-83183	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-82729	Lab File ID:	26A2082511.asc
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	10.61 g
Analysis Date:	08/25/2011 1659			Final Weight/Volume:	500 mL
Prep Date:	08/23/2011 2026				
Leach Date:	08/22/2011 1424				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		10300	B J	1.46	47.1

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-83216	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-82731	Lab File ID:	045SMPL.D
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	10.18 g
Analysis Date:	08/25/2011 2243			Final Weight/Volume:	500 mL
Prep Date:	08/25/2011 0600				
Leach Date:	08/22/2011 1424				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Barium		209		0.0346	0.246

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Client Sample ID: **NWO-178-0010**

Lab Sample ID: 280-19386-8

Client Matrix: Solid

Date Sampled: 08/19/2011 0921

Date Received: 08/22/2011 1010

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-83183	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-82729	Lab File ID:	26A2082511.asc
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	10.31 g
Analysis Date:	08/25/2011 1702			Final Weight/Volume:	500 mL
Prep Date:	08/23/2011 2026				
Leach Date:	08/22/2011 1434				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		10400	B J	1.50	48.5

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-83216	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-82731	Lab File ID:	046SMPL.D
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	10.91 g
Analysis Date:	08/25/2011 2246			Final Weight/Volume:	500 mL
Prep Date:	08/25/2011 0600				
Leach Date:	08/22/2011 1434				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Barium		176		0.0323	0.229

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Client Sample ID: **NWO-178-5001**

Lab Sample ID: 280-19386-9

Client Matrix: Solid

Date Sampled: 08/17/2011 1740

Date Received: 08/22/2011 1010

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-83183	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-82729	Lab File ID:	26A2082511.asc
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	10.85 g
Analysis Date:	08/25/2011 1705			Final Weight/Volume:	500 mL
Prep Date:	08/23/2011 2026				
Leach Date:	08/22/2011 1435				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		10400	B J	1.43	46.1

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-83216	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-82731	Lab File ID:	047SMPL.D
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	10.42 g
Analysis Date:	08/25/2011 2249			Final Weight/Volume:	500 mL
Prep Date:	08/25/2011 0600				
Leach Date:	08/22/2011 1435				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Barium		205		0.0338	0.240

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Surrogate Recovery Report

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

Client Matrix: Solid

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
280-19386-1	NWO-178-0001	84	87	80	81	94	87
280-19386-2	NWO-178-0002	80	83	74	78	91	84
280-19386-3	NWO-178-0003	85	86	80	82	96	92
280-19386-4	NWO-178-0004	77	80	74	75	99	94
280-19386-5	NWO-178-0005	84	85	80	80	99	95
280-19386-6	NWO-178-0006	78	82	75	78	95	86
280-19386-7	NWO-178-0009	78	82	75	77	91	85
280-19386-8	NWO-178-0010	76	81	70	75	91	85
280-19386-9	NWO-178-5001	78	80	76	76	92	89
MB 280-82751/1-A		84	83	80	84	91	100
LCS 280-82751/2-A		83	86	83	88	105	100
280-19386-3 MS	NWO-178-0003 MS	82	85	80	85	103	94
280-19386-3 MSD	NWO-178-0003 MSD	82	83	79	82	102	94

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	35-105
PHL = Phenol-d5 (Surr)	40-100
NBZ = Nitrobenzene-d5 (Surr)	35-100
FBP = 2-Fluorobiphenyl	45-105
TBP = 2,4,6-Tribromophenol (Surr)	35-125
TPH = Terphenyl-d14 (Surr)	30-125

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Surrogate Recovery Report

8330B Nitroaromatics and Nitramines (HPLC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	12DNB1 %Rec
280-19386-1	NWO-178-0001	98
280-19386-2	NWO-178-0002	96
280-19386-3	NWO-178-0003	95
280-19386-4	NWO-178-0004	101
280-19386-5	NWO-178-0005	94
280-19386-6	NWO-178-0006	89
280-19386-7	NWO-178-0009	98
280-19386-8	NWO-178-0010	98
MB 280-82896/1-A		96
PB 280-82481/20-B		92
LCS 280-82896/4-A		111
LCSSRM 280-82481/21-B		107
280-19386-3 MS	NWO-178-0003 MS	102
280-19386-3 MSD	NWO-178-0003 MSD	104

Surrogate	Acceptance Limits
12DNB = 1,2-Dinitrobenzene	83-122

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Method Blank - Batch: 280-82751

Method: 8270C/DoD
Preparation: 3550C

Lab Sample ID:	MB 280-82751/1-A	Analysis Batch:	280-83782	Instrument ID:	MSS_Y
Client Matrix:	Solid	Prep Batch:	280-82751	Lab File ID:	Y2527.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	08/29/2011 2040	Units:	ug/Kg	Final Weight/Volume:	1000 uL
Prep Date:	08/24/2011 0940			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Anthracene	17.0	U	17.0	330
Hexachloroethane	21.3	U	21.3	330

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	84	45 - 105
2-Fluorophenol (Surr)	84	35 - 105
Nitrobenzene-d5 (Surr)	80	35 - 100
Terphenyl-d14 (Surr)	100	30 - 125
2,4,6-Tribromophenol (Surr)	91	35 - 125
Phenol-d5 (Surr)	83	40 - 100

Lab Control Sample - Batch: 280-82751

Method: 8270C/DoD
Preparation: 3550C

Lab Sample ID:	LCS 280-82751/2-A	Analysis Batch:	280-83782	Instrument ID:	MSS_Y
Client Matrix:	Solid	Prep Batch:	280-82751	Lab File ID:	Y2528.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.1 g
Analysis Date:	08/29/2011 2101	Units:	ug/Kg	Final Weight/Volume:	1000 uL
Prep Date:	08/24/2011 0940			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Anthracene	2660	2520	95	55 - 105	
Hexachloroethane	2660	2020	76	35 - 110	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	88	45 - 105
2-Fluorophenol (Surr)	83	35 - 105
Nitrobenzene-d5 (Surr)	83	35 - 100
Terphenyl-d14 (Surr)	100	30 - 125
2,4,6-Tribromophenol (Surr)	105	35 - 125
Phenol-d5 (Surr)	86	40 - 100

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-82751

Method: 8270C/DoD
Preparation: 3550C

MS Lab Sample ID:	280-19386-3	Analysis Batch:	280-83782	Instrument ID:	MSS_Y
Client Matrix:	Solid	Prep Batch:	280-82751	Lab File ID:	Y2548.D
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	30.4 g
Analysis Date:	08/30/2011 0350			Final Weight/Volume:	1000 uL
Prep Date:	08/24/2011 0940			Injection Volume:	0.5 uL
Leach Date:	08/22/2011 1424				

MSD Lab Sample ID:	280-19386-3	Analysis Batch:	280-83782	Instrument ID:	MSS_Y
Client Matrix:	Solid	Prep Batch:	280-82751	Lab File ID:	Y2549.D
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	30.2 g
Analysis Date:	08/30/2011 0410			Final Weight/Volume:	1000 uL
Prep Date:	08/24/2011 0940			Injection Volume:	0.5 uL
Leach Date:	08/22/2011 1424				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Anthracene	93	91	55 - 105	2	30		
Hexachloroethane	70	69	35 - 110	0	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl	85	82	45 - 105
2-Fluorophenol (Surr)	82	82	35 - 105
Nitrobenzene-d5 (Surr)	80	79	35 - 100
Terphenyl-d14 (Surr)	94	94	30 - 125
2,4,6-Tribromophenol (Surr)	103	102	35 - 125
Phenol-d5 (Surr)	85	83	40 - 100

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-82751

Method: 8270C/DoD
Preparation: 3550C

MS Lab Sample ID:	280-19386-3	Units:	ug/Kg	MSD Lab Sample ID:	280-19386-3
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	08/30/2011 0350			Analysis Date:	08/30/2011 0410
Prep Date:	08/24/2011 0940			Prep Date:	08/24/2011 0940
Leach Date:	08/22/2011 1424			Leach Date:	08/22/2011 1424

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Anthracene	15.5	U	2630	2650	2450	2410
Hexachloroethane	19.4	U	2630	2650	1840	1840

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Method Blank - Batch: 280-82896

Method: 8330B
Preparation: 8330B

Lab Sample ID:	MB 280-82896/1-A	Analysis Batch:	280-83223	Instrument ID:	CHHPLCX4_C18
Client Matrix:	Solid	Prep Batch:	280-82896	Lab File ID:	08260027.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.16 g
Analysis Date:	08/26/2011 2104	Units:	mg/Kg	Final Weight/Volume:	40000 uL
Prep Date:	08/24/2011 2028			Injection Volume:	100 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
2-Amino-4,6-dinitrotoluene	0.0324	U	0.0324	0.0984
4-Amino-2,6-dinitrotoluene	0.0294	U	0.0294	0.0984
2,4-Dinitrotoluene	0.0145	U	0.0145	0.0984
2,6-Dinitrotoluene	0.0188	U	0.0188	0.0984
Nitroglycerin	0.212	U	0.212	1.97
2-Nitrotoluene	0.0465	U	0.0465	0.197
3-Nitrotoluene	0.0630	U	0.0630	0.197
Nitrobenzene	0.0837	U	0.0837	0.295
4-Nitrotoluene	0.0359	U	0.0359	0.197
1,3,5-Trinitrobenzene	0.0136	U	0.0136	0.0984
1,3-Dinitrobenzene	0.0163	U	0.0163	0.0984
HMX	0.0223	U	0.0223	0.0984
RDX	0.0423	U	0.0423	0.197
Tetryl	0.0432	U	0.0432	0.197
PETN	0.485	U	0.485	1.97
2,4,6-Trinitrotoluene	0.0302	U	0.0302	0.0984

Surrogate	% Rec	Acceptance Limits
1,2-Dinitrobenzene	96	83 - 122

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Preparation / Extraction Blank - Batch: 280-82896

Method: 8330B
Preparation: 8330B

Lab Sample ID:	PB 280-82481/20-B	Analysis Batch:	280-83223	Instrument ID:	CHHPLCX4_C18
Client Matrix:	Solid	Prep Batch:	280-82896	Lab File ID:	08260028.D
Dilution:	1.0	Leach Batch:	280-82481	Initial Weight/Volume:	10.22 g
Analysis Date:	08/26/2011 2131	Units:	mg/Kg	Final Weight/Volume:	40000 uL
Prep Date:	08/24/2011 2028			Injection Volume:	100 uL
Leach Date:	08/22/2011 1624			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
2-Amino-4,6-dinitrotoluene	0.0322	U	0.0322	0.0978
4-Amino-2,6-dinitrotoluene	0.0293	U	0.0293	0.0978
2,4-Dinitrotoluene	0.0144	U	0.0144	0.0978
2,6-Dinitrotoluene	0.0187	U	0.0187	0.0978
Nitroglycerin	0.210	U	0.210	1.96
2-Nitrotoluene	0.0462	U	0.0462	0.196
3-Nitrotoluene	0.0626	U	0.0626	0.196
Nitrobenzene	0.0832	U	0.0832	0.294
4-Nitrotoluene	0.0357	U	0.0357	0.196
1,3,5-Trinitrobenzene	0.0135	U	0.0135	0.0978
1,3-Dinitrobenzene	0.0162	U	0.0162	0.0978
HMX	0.0222	U	0.0222	0.0978
RDX	0.0421	U	0.0421	0.196
Tetryl	0.0430	U	0.0430	0.196
PETN	0.482	U	0.482	1.96
2,4,6-Trinitrotoluene	0.0300	U	0.0300	0.0978

Surrogate	% Rec	Acceptance Limits
1,2-Dinitrobenzene	92	83 - 122

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

LCS-Certified Reference Material - Batch: 280-82896

Method: 8330B
Preparation: 8330B

Lab Sample ID:	LCSSRM	Analysis Batch:	280-83223	Instrument ID:	CHHPLCX4_C18
Client Matrix:	Solid	Prep Batch:	280-82896	Lab File ID:	08260029.D
Dilution:	1.0	Leach Batch:	280-82481	Initial Weight/Volume:	10.50 g
Analysis Date:	08/26/2011 2157	Units:	mg/Kg	Final Weight/Volume:	40000 uL
Prep Date:	08/24/2011 2028			Injection Volume:	100 uL
Leach Date:	08/22/2011 1624			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Amino-4,6-dinitrotoluene	0.600	0.544	91	47 - 132	
4-Amino-2,6-dinitrotoluene	0.600	0.468	78	10 - 125	
2,4-Dinitrotoluene	0.600	0.609	101	56 - 140	
2,6-Dinitrotoluene	0.602	0.615	102	54 - 143	
Nitroglycerin	0.600	0.450	75	10 - 150	J M
2-Nitrotoluene	0.604	0.563	93	52 - 141	
3-Nitrotoluene	0.599	0.522	87	41 - 129	
Nitrobenzene	0.602	0.495	82	35 - 130	
4-Nitrotoluene	0.603	0.565	94	51 - 143	
1,3,5-Trinitrobenzene	0.600	0.507	85	43 - 130	
1,3-Dinitrobenzene	0.602	0.574	95	42 - 140	
HMX	0.600	0.581	97	58 - 134	
RDX	0.600	0.555	93	41 - 123	
PETN	0.600	0.470	44	60 - 115	U Q
2,4,6-Trinitrotoluene	0.600	0.531	89	17 - 145	

Surrogate	% Rec	Acceptance Limits
1,2-Dinitrobenzene	107	83 - 122

Lab Control Sample - Batch: 280-82896

Method: 8330B
Preparation: 8330B

Lab Sample ID:	LCS 280-82896/4-A	Analysis Batch:	280-83223	Instrument ID:	CHHPLCX4_C18
Client Matrix:	Solid	Prep Batch:	280-82896	Lab File ID:	08260030.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.38 g
Analysis Date:	08/26/2011 2223	Units:	mg/Kg	Final Weight/Volume:	40000 uL
Prep Date:	08/24/2011 2028			Injection Volume:	100 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Amino-4,6-dinitrotoluene	0.963	1.00	104	80 - 125	
4-Amino-2,6-dinitrotoluene	0.963	1.03	106	80 - 125	
2,4-Dinitrotoluene	0.963	1.02	106	80 - 125	
2,6-Dinitrotoluene	0.963	0.981	102	80 - 120	
Nitroglycerin	9.63	9.63	100	68 - 131	
2-Nitrotoluene	0.963	1.01	104	80 - 125	
3-Nitrotoluene	0.963	1.04	108	75 - 120	
Nitrobenzene	0.963	1.08	112	75 - 125	
4-Nitrotoluene	0.963	0.999	104	75 - 125	
1,3,5-Trinitrobenzene	0.963	1.01	105	75 - 125	
1,3-Dinitrobenzene	0.963	1.03	107	80 - 125	
HMX	0.963	1.08	112	75 - 125	
RDX	0.963	1.16	120	70 - 135	
Tetryl	0.963	1.07	111	10 - 150	

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Lab Control Sample - Batch: 280-82896

Method: 8330B
Preparation: 8330B

Lab Sample ID:	LCS 280-82896/4-A	Analysis Batch:	280-83223	Instrument ID:	CHHPLCX4_C18
Client Matrix:	Solid	Prep Batch:	280-82896	Lab File ID:	08260030.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.38 g
Analysis Date:	08/26/2011 2223	Units:	mg/Kg	Final Weight/Volume:	40000 uL
Prep Date:	08/24/2011 2028			Injection Volume:	100 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PETN	9.63	9.75	101	69 - 132	
2,4,6-Trinitrotoluene	0.963	1.04	108	55 - 140	

Surrogate	% Rec	Acceptance Limits
1,2-Dinitrobenzene	111	83 - 122

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-82896

Method: 8330B
Preparation: 8330B

MS Lab Sample ID:	280-19386-3	Analysis Batch:	280-83223	Instrument ID:	CHHPLCX4_C18
Client Matrix:	Solid	Prep Batch:	280-82896	Lab File ID:	08260036.D
Dilution:	1.0	Leach Batch:	280-82481	Initial Weight/Volume:	10.13 g
Analysis Date:	08/27/2011 0101			Final Weight/Volume:	40000 uL
Prep Date:	08/24/2011 2028			Injection Volume:	100 uL
Leach Date:	08/22/2011 1416			Column ID:	PRIMARY

MSD Lab Sample ID:	280-19386-3	Analysis Batch:	280-83223	Instrument ID:	CHHPLCX4_C18
Client Matrix:	Solid	Prep Batch:	280-82896	Lab File ID:	08260037.D
Dilution:	1.0	Leach Batch:	280-82481	Initial Weight/Volume:	10.47 g
Analysis Date:	08/27/2011 0127			Final Weight/Volume:	40000 uL
Prep Date:	08/24/2011 2028			Injection Volume:	100 uL
Leach Date:	08/22/2011 1416			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2-Amino-4,6-dinitrotoluene	99	33	66 - 131	101	30		J
4-Amino-2,6-dinitrotoluene	93	0	38 - 120	200	30		U J
2,4-Dinitrotoluene	104	132	72 - 125	20	30		J
2,6-Dinitrotoluene	101	99	67 - 130	6	30		
Nitroglycerin	100	95	61 - 160	9	30		
2-Nitrotoluene	107	103	71 - 124	7	30		
3-Nitrotoluene	112	109	69 - 122	6	30		
Nitrobenzene	104	101	76 - 122	6	30		
4-Nitrotoluene	110	110	73 - 132	3	30		
1,3,5-Trinitrobenzene	99	117	67 - 132	13	30		
1,3-Dinitrobenzene	101	97	72 - 126	7	30		
HMX	86	97	60 - 127	10	30		
RDX	99	109	52 - 124	6	30		
Tetryl	106	102	63 - 140	8	30		
PETN	99	96	55 - 129	7	30		
2,4,6-Trinitrotoluene	105	104	66 - 125	5	30		M

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dinitrobenzene	102	104	83 - 122

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-82896

Method: 8330B
Preparation: 8330B

MS Lab Sample ID:	280-19386-3	Units:	mg/Kg	MSD Lab Sample ID:	280-19386-3
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	08/27/2011 0101			Analysis Date:	08/27/2011 0127
Prep Date:	08/24/2011 2028			Prep Date:	08/24/2011 2028
Leach Date:	08/22/2011 1416			Leach Date:	08/22/2011 1416

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
2-Amino-4,6-dinitrotoluene	0.0325	U	0.987	0.955	0.977	0.320	J
4-Amino-2,6-dinitrotoluene	0.0296	U	0.987	0.955	0.917	0.0286	U J
2,4-Dinitrotoluene	0.0145	U	0.987	0.955	1.03	1.26	J
2,6-Dinitrotoluene	0.0189	U	0.987	0.955	0.997	0.943	
Nitroglycerin	0.213	U	9.87	9.55	9.91	9.09	
2-Nitrotoluene	0.0467	U	0.987	0.955	1.05	0.986	
3-Nitrotoluene	0.0633	U	0.987	0.955	1.11	1.04	
Nitrobenzene	0.0841	U	0.987	0.955	1.03	0.967	
4-Nitrotoluene	0.0361	U	0.987	0.955	1.09	1.05	
1,3,5-Trinitrobenzene	0.0136	U	0.987	0.955	0.980	1.12	
1,3-Dinitrobenzene	0.0164	U	0.987	0.955	0.994	0.928	
HMX	0.0225	U	0.987	0.955	0.845	0.931	
RDX	0.0425	U	0.987	0.955	0.973	1.04	
Tetryl	0.0434	U	0.987	0.955	1.05	0.970	
PETN	0.488	U	9.87	9.55	9.75	9.13	
2,4,6-Trinitrotoluene	0.0304	U	0.987	0.955	1.04	0.990	M

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Method Blank - Batch: 280-82729

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 280-82729/1-A	Analysis Batch:	280-83183	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-82729	Lab File ID:	26A2082511.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.64 g
Analysis Date:	08/25/2011 1611	Units:	mg/Kg	Final Weight/Volume:	500 mL
Prep Date:	08/23/2011 2026				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	35.1	J	1.46	47.0

Lab Control Sample - Batch: 280-82729

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 280-82729/2-A	Analysis Batch:	280-83183	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-82729	Lab File ID:	26A2082511.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.41 g
Analysis Date:	08/25/2011 1613	Units:	mg/Kg	Final Weight/Volume:	500 mL
Prep Date:	08/23/2011 2026				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	96.1	90.3	94	80 - 116	

Post Digestion Spike - Batch: 280-82729

Method: 6010B
Preparation: 3050B

Lab Sample ID:	280-19386-3	Analysis Batch:	280-83183	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-82729	Lab File ID:	26A2082511.asc
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	10.56 g
Analysis Date:	08/25/2011 1635	Units:	mg/Kg	Final Weight/Volume:	500 mL
Prep Date:	08/23/2011 2026				
Leach Date:	08/22/2011 1424				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	11900	47.3	11700	-248	75 - 125	J

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-82729

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	280-19386-3	Analysis Batch:	280-83183	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-82729	Lab File ID:	26A2082511.asc
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	10.80 g
Analysis Date:	08/25/2011 1628			Final Weight/Volume:	500 mL
Prep Date:	08/23/2011 2026				
Leach Date:	08/22/2011 1424				

MSD Lab Sample ID:	280-19386-3	Analysis Batch:	280-83183	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-82729	Lab File ID:	26A2082511.asc
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	10.16 g
Analysis Date:	08/25/2011 1632			Final Weight/Volume:	500 mL
Prep Date:	08/23/2011 2026				
Leach Date:	08/22/2011 1424				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	2317	1551	80 - 120	5	20	4	4

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-82729

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	280-19386-3	Units:	mg/Kg	MSD Lab Sample ID:	280-19386-3
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	08/25/2011 1628			Analysis Date:	08/25/2011 1632
Prep Date:	08/23/2011 2026			Prep Date:	08/23/2011 2026
Leach Date:	08/22/2011 1424			Leach Date:	08/22/2011 1424

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Aluminum	11900	92.6	98.4	14000	4	13400	4

Serial Dilution - Batch: 280-82729

Method: 6010B
Preparation: 3050B

Lab Sample ID:	280-19386-3	Analysis Batch:	280-83183	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-82729	Lab File ID:	26A2082511.asc
Dilution:	5.0	Leach Batch:	280-82483	Initial Weight/Volume:	10.56 g
Analysis Date:	08/25/2011 1626	Units:	mg/Kg	Final Weight/Volume:	500 mL
Prep Date:	08/23/2011 2026				
Leach Date:	08/22/2011 1424				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Aluminum	11900	14800	24	10	V

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Method Blank - Batch: 280-82731

Method: 6020
Preparation: 3050B

Lab Sample ID:	MB 280-82731/1-A	Analysis Batch:	280-83216	Instrument ID:	MT_024
Client Matrix:	Solid	Prep Batch:	280-82731	Lab File ID:	030_BLK.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.05 g
Analysis Date:	08/25/2011 2159	Units:	mg/Kg	Final Weight/Volume:	500 mL
Prep Date:	08/25/2011 0600				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Barium	0.0351	U	0.0351	0.249

Lab Control Sample - Batch: 280-82731

Method: 6020
Preparation: 3050B

Lab Sample ID:	LCS 280-82731/2-A	Analysis Batch:	280-83216	Instrument ID:	MT_024
Client Matrix:	Solid	Prep Batch:	280-82731	Lab File ID:	031_LCS.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.50 g
Analysis Date:	08/25/2011 2202	Units:	mg/Kg	Final Weight/Volume:	500 mL
Prep Date:	08/25/2011 0600				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	9.52	9.70	102	86 - 120	

Post Digestion Spike - Batch: 280-82731

Method: 6020
Preparation: 3050B

Lab Sample ID:	280-19386-3	Analysis Batch:	280-83216	Instrument ID:	MT_024
Client Matrix:	Solid	Prep Batch:	280-82731	Lab File ID:	036PDS.D
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	10.06 g
Analysis Date:	08/25/2011 2217	Units:	mg/Kg	Final Weight/Volume:	500 mL
Prep Date:	08/25/2011 0600				
Leach Date:	08/22/2011 1424				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Barium	181	49.7	230	97	75 - 125	

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-82731

Method: 6020
Preparation: 3050B

MS Lab Sample ID:	280-19386-3	Analysis Batch:	280-83216	Instrument ID:	MT_024
Client Matrix:	Solid	Prep Batch:	280-82731	Lab File ID:	037_MS.D
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	10.25 g
Analysis Date:	08/25/2011 2220			Final Weight/Volume:	500 mL
Prep Date:	08/25/2011 0600				
Leach Date:	08/22/2011 1424				

MSD Lab Sample ID:	280-19386-3	Analysis Batch:	280-83216	Instrument ID:	MT_024
Client Matrix:	Solid	Prep Batch:	280-82731	Lab File ID:	038_MSD.D
Dilution:	1.0	Leach Batch:	280-82483	Initial Weight/Volume:	10.63 g
Analysis Date:	08/25/2011 2223			Final Weight/Volume:	500 mL
Prep Date:	08/25/2011 0600				
Leach Date:	08/22/2011 1424				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	274	251	86 - 120	1	20	4	4

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-82731

Method: 6020
Preparation: 3050B

MS Lab Sample ID:	280-19386-3	Units:	mg/Kg	MSD Lab Sample ID:	280-19386-3
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	08/25/2011 2220			Analysis Date:	08/25/2011 2223
Prep Date:	08/25/2011 0600			Prep Date:	08/25/2011 0600
Leach Date:	08/22/2011 1424			Leach Date:	08/22/2011 1424

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Barium	181	9.76	9.41	208	4	205	4

Serial Dilution - Batch: 280-82731

Method: 6020
Preparation: 3050B

Lab Sample ID:	280-19386-3	Analysis Batch:	280-83216	Instrument ID:	MT_024
Client Matrix:	Solid	Prep Batch:	280-82731	Lab File ID:	035SDIL.D
Dilution:	5.0	Leach Batch:	280-82483	Initial Weight/Volume:	10.06 g
Analysis Date:	08/25/2011 2214	Units:	mg/Kg	Final Weight/Volume:	500 mL
Prep Date:	08/25/2011 0600				
Leach Date:	08/22/2011 1424				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Barium	181	173	4.6	10	

DATA REPORTING QUALIFIERS

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	U	Undetected at the Limit of Detection.
Metals		
	B	Blank contamination: The analyte was detected above one-half the reporting limit in an associated blank.
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	V	Serial Dilution exceeds the control limits
	U	Undetected at the Limit of Detection.
HPLC/IC		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	M	Manual integrated compound.
	Q	One or more quality control criteria failed.
	U	Undetected at the Limit of Detection.

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 280-82483					
280-19386-1	NWO-178-0001	T	Solid	Increm, Prep	
280-19386-2	NWO-178-0002	T	Solid	Increm, Prep	
280-19386-3	NWO-178-0003	T	Solid	Increm, Prep	
280-19386-3MS	Matrix Spike	T	Solid	Increm, Prep	
280-19386-3MSD	Matrix Spike Duplicate	T	Solid	Increm, Prep	
280-19386-4	NWO-178-0004	T	Solid	Increm, Prep	
280-19386-5	NWO-178-0005	T	Solid	Increm, Prep	
280-19386-6	NWO-178-0006	T	Solid	Increm, Prep	
280-19386-7	NWO-178-0009	T	Solid	Increm, Prep	
280-19386-8	NWO-178-0010	T	Solid	Increm, Prep	
280-19386-9	NWO-178-5001	T	Solid	Increm, Prep	
Prep Batch: 280-82751					
LCS 280-82751/2-A	Lab Control Sample	T	Solid	3550C	
MB 280-82751/1-A	Method Blank	T	Solid	3550C	
280-19386-1	NWO-178-0001	T	Solid	3550C	280-82483
280-19386-2	NWO-178-0002	T	Solid	3550C	280-82483
280-19386-3	NWO-178-0003	T	Solid	3550C	280-82483
280-19386-3MS	Matrix Spike	T	Solid	3550C	280-82483
280-19386-3MSD	Matrix Spike Duplicate	T	Solid	3550C	280-82483
280-19386-4	NWO-178-0004	T	Solid	3550C	280-82483
280-19386-5	NWO-178-0005	T	Solid	3550C	280-82483
280-19386-6	NWO-178-0006	T	Solid	3550C	280-82483
280-19386-7	NWO-178-0009	T	Solid	3550C	280-82483
280-19386-8	NWO-178-0010	T	Solid	3550C	280-82483
280-19386-9	NWO-178-5001	T	Solid	3550C	280-82483
Analysis Batch:280-83782					
LCS 280-82751/2-A	Lab Control Sample	T	Solid	8270C/DoD	280-82751
MB 280-82751/1-A	Method Blank	T	Solid	8270C/DoD	280-82751
280-19386-1	NWO-178-0001	T	Solid	8270C/DoD	280-82751
280-19386-2	NWO-178-0002	T	Solid	8270C/DoD	280-82751
280-19386-3	NWO-178-0003	T	Solid	8270C/DoD	280-82751
280-19386-3MS	Matrix Spike	T	Solid	8270C/DoD	280-82751
280-19386-3MSD	Matrix Spike Duplicate	T	Solid	8270C/DoD	280-82751
280-19386-4	NWO-178-0004	T	Solid	8270C/DoD	280-82751
280-19386-5	NWO-178-0005	T	Solid	8270C/DoD	280-82751
280-19386-6	NWO-178-0006	T	Solid	8270C/DoD	280-82751
280-19386-7	NWO-178-0009	T	Solid	8270C/DoD	280-82751
280-19386-8	NWO-178-0010	T	Solid	8270C/DoD	280-82751
280-19386-9	NWO-178-5001	T	Solid	8270C/DoD	280-82751

Report Basis

T = Total

TestAmerica Denver

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 280-82483					
280-19386-1	NWO-178-0001	T	Solid	Increm, Prep	
280-19386-2	NWO-178-0002	T	Solid	Increm, Prep	
280-19386-3	NWO-178-0003	T	Solid	Increm, Prep	
280-19386-3MS	Matrix Spike	T	Solid	Increm, Prep	
280-19386-3MSD	Matrix Spike Duplicate	T	Solid	Increm, Prep	
280-19386-4	NWO-178-0004	T	Solid	Increm, Prep	
280-19386-5	NWO-178-0005	T	Solid	Increm, Prep	
280-19386-6	NWO-178-0006	T	Solid	Increm, Prep	
280-19386-7	NWO-178-0009	T	Solid	Increm, Prep	
280-19386-8	NWO-178-0010	T	Solid	Increm, Prep	
280-19386-9	NWO-178-5001	T	Solid	Increm, Prep	
Prep Batch: 280-82729					
LCS 280-82729/2-A	Lab Control Sample	T	Solid	3050B	
MB 280-82729/1-A	Method Blank	T	Solid	3050B	
280-19386-1	NWO-178-0001	T	Solid	3050B	280-82483
280-19386-2	NWO-178-0002	T	Solid	3050B	280-82483
280-19386-3	NWO-178-0003	T	Solid	3050B	280-82483
280-19386-3MS	Matrix Spike	T	Solid	3050B	280-82483
280-19386-3MSD	Matrix Spike Duplicate	T	Solid	3050B	280-82483
280-19386-4	NWO-178-0004	T	Solid	3050B	280-82483
280-19386-5	NWO-178-0005	T	Solid	3050B	280-82483
280-19386-6	NWO-178-0006	T	Solid	3050B	280-82483
280-19386-7	NWO-178-0009	T	Solid	3050B	280-82483
280-19386-8	NWO-178-0010	T	Solid	3050B	280-82483
280-19386-9	NWO-178-5001	T	Solid	3050B	280-82483
Prep Batch: 280-82731					
LCS 280-82731/2-A	Lab Control Sample	T	Solid	3050B	
MB 280-82731/1-A	Method Blank	T	Solid	3050B	
280-19386-1	NWO-178-0001	T	Solid	3050B	280-82483
280-19386-2	NWO-178-0002	T	Solid	3050B	280-82483
280-19386-3	NWO-178-0003	T	Solid	3050B	280-82483
280-19386-3MS	Matrix Spike	T	Solid	3050B	280-82483
280-19386-3MSD	Matrix Spike Duplicate	T	Solid	3050B	280-82483
280-19386-4	NWO-178-0004	T	Solid	3050B	280-82483
280-19386-5	NWO-178-0005	T	Solid	3050B	280-82483
280-19386-6	NWO-178-0006	T	Solid	3050B	280-82483
280-19386-7	NWO-178-0009	T	Solid	3050B	280-82483
280-19386-8	NWO-178-0010	T	Solid	3050B	280-82483
280-19386-9	NWO-178-5001	T	Solid	3050B	280-82483

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:280-83183					
LCS 280-82729/2-A	Lab Control Sample	T	Solid	6010B	280-82729
MB 280-82729/1-A	Method Blank	T	Solid	6010B	280-82729
280-19386-2	NWO-178-0002	T	Solid	6010B	280-82729
280-19386-3	NWO-178-0003	T	Solid	6010B	280-82729
280-19386-3MS	Matrix Spike	T	Solid	6010B	280-82729
280-19386-3MSD	Matrix Spike Duplicate	T	Solid	6010B	280-82729
280-19386-5	NWO-178-0005	T	Solid	6010B	280-82729
280-19386-7	NWO-178-0009	T	Solid	6010B	280-82729
280-19386-8	NWO-178-0010	T	Solid	6010B	280-82729
280-19386-9	NWO-178-5001	T	Solid	6010B	280-82729
Analysis Batch:280-83216					
LCS 280-82731/2-A	Lab Control Sample	T	Solid	6020	280-82731
MB 280-82731/1-A	Method Blank	T	Solid	6020	280-82731
280-19386-1	NWO-178-0001	T	Solid	6020	280-82731
280-19386-2	NWO-178-0002	T	Solid	6020	280-82731
280-19386-3	NWO-178-0003	T	Solid	6020	280-82731
280-19386-3MS	Matrix Spike	T	Solid	6020	280-82731
280-19386-3MSD	Matrix Spike Duplicate	T	Solid	6020	280-82731
280-19386-4	NWO-178-0004	T	Solid	6020	280-82731
280-19386-5	NWO-178-0005	T	Solid	6020	280-82731
280-19386-6	NWO-178-0006	T	Solid	6020	280-82731
280-19386-7	NWO-178-0009	T	Solid	6020	280-82731
280-19386-8	NWO-178-0010	T	Solid	6020	280-82731
280-19386-9	NWO-178-5001	T	Solid	6020	280-82731
Analysis Batch:280-83441					
280-19386-1	NWO-178-0001	T	Solid	6010B	280-82729
280-19386-4	NWO-178-0004	T	Solid	6010B	280-82729
280-19386-6	NWO-178-0006	T	Solid	6010B	280-82729

Report Basis

T = Total

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
HPLC/IC					
Prep Batch: 280-82481					
LCSSRM 280-82481/21-B	LCS-Certified Reference Material	T	Solid	8330	
PB 280-82481/20-B	Preparation / Extraction Blank	T	Solid	8330	
280-19386-1	NWO-178-0001	T	Solid	8330	
280-19386-2	NWO-178-0002	T	Solid	8330	
280-19386-3	NWO-178-0003	T	Solid	8330	
280-19386-3MS	Matrix Spike	T	Solid	8330	
280-19386-3MSD	Matrix Spike Duplicate	T	Solid	8330	
280-19386-4	NWO-178-0004	T	Solid	8330	
280-19386-5	NWO-178-0005	T	Solid	8330	
280-19386-6	NWO-178-0006	T	Solid	8330	
280-19386-7	NWO-178-0009	T	Solid	8330	
280-19386-8	NWO-178-0010	T	Solid	8330	
Prep Batch: 280-82896					
LCS 280-82896/4-A	Lab Control Sample	T	Solid	8330B	
MB 280-82896/1-A	Method Blank	T	Solid	8330B	
LCSSRM 280-82481/21-B	LCS-Certified Reference Material	T	Solid	8330B	280-82481
PB 280-82481/20-B	Preparation / Extraction Blank	T	Solid	8330B	280-82481
280-19386-1	NWO-178-0001	T	Solid	8330B	280-82481
280-19386-2	NWO-178-0002	T	Solid	8330B	280-82481
280-19386-3	NWO-178-0003	T	Solid	8330B	280-82481
280-19386-3MS	Matrix Spike	T	Solid	8330B	280-82481
280-19386-3MSD	Matrix Spike Duplicate	T	Solid	8330B	280-82481
280-19386-4	NWO-178-0004	T	Solid	8330B	280-82481
280-19386-5	NWO-178-0005	T	Solid	8330B	280-82481
280-19386-6	NWO-178-0006	T	Solid	8330B	280-82481
280-19386-7	NWO-178-0009	T	Solid	8330B	280-82481
280-19386-8	NWO-178-0010	T	Solid	8330B	280-82481
Analysis Batch:280-83223					
LCS 280-82896/4-A	Lab Control Sample	T	Solid	8330B	280-82896
LCSSRM 280-82481/21-B	LCS-Certified Reference Material	T	Solid	8330B	280-82896
MB 280-82896/1-A	Method Blank	T	Solid	8330B	280-82896
PB 280-82481/20-B	Preparation / Extraction Blank	T	Solid	8330B	280-82896
280-19386-1	NWO-178-0001	T	Solid	8330B	280-82896
280-19386-2	NWO-178-0002	T	Solid	8330B	280-82896
280-19386-3	NWO-178-0003	T	Solid	8330B	280-82896
280-19386-3MS	Matrix Spike	T	Solid	8330B	280-82896
280-19386-3MSD	Matrix Spike Duplicate	T	Solid	8330B	280-82896
280-19386-4	NWO-178-0004	T	Solid	8330B	280-82896
280-19386-5	NWO-178-0005	T	Solid	8330B	280-82896
280-19386-6	NWO-178-0006	T	Solid	8330B	280-82896
280-19386-7	NWO-178-0009	T	Solid	8330B	280-82896
280-19386-8	NWO-178-0010	T	Solid	8330B	280-82896

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis

T = Total

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Laboratory Chronicle

Lab ID: 280-19386-1 **Client ID:** NWO-178-0001

Sample Date/Time: 08/18/2011 15:51 Received Date/Time: 08/22/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-19386-A-1-F		280-83782	280-82751	08/24/2011 09:40	1	TAL DEN	JCV
A:8270C/DoD	280-19386-A-1-F		280-83782	280-82751	08/30/2011 02:49	1	TAL DEN	SAT
P:8330B	280-19386-A-1-G		280-83223	280-82896	08/24/2011 20:28	1	TAL DEN	CDC
A:8330B	280-19386-A-1-G		280-83223	280-82896	08/26/2011 23:42	1	TAL DEN	MK
P:3050B	280-19386-A-1-D ^5		280-83441	280-82729	08/23/2011 20:26	5	TAL DEN	CLI
A:6010B	280-19386-A-1-D ^5		280-83441	280-82729	08/26/2011 15:33	5	TAL DEN	JKH
P:3050B	280-19386-A-1-E		280-83216	280-82731	08/25/2011 06:00	1	TAL DEN	CLI
A:6020	280-19386-A-1-E		280-83216	280-82731	08/25/2011 22:05	1	TAL DEN	TEL

Lab ID: 280-19386-2 **Client ID:** NWO-178-0002

Sample Date/Time: 08/19/2011 16:17 Received Date/Time: 08/22/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-19386-A-2-F		280-83782	280-82751	08/24/2011 09:40	1	TAL DEN	JCV
A:8270C/DoD	280-19386-A-2-F		280-83782	280-82751	08/30/2011 03:09	1	TAL DEN	SAT
P:8330B	280-19386-A-2-G		280-83223	280-82896	08/24/2011 20:28	1	TAL DEN	CDC
A:8330B	280-19386-A-2-G		280-83223	280-82896	08/27/2011 00:08	1	TAL DEN	MK
P:3050B	280-19386-A-2-D		280-83183	280-82729	08/23/2011 20:26	1	TAL DEN	CLI
A:6010B	280-19386-A-2-D		280-83183	280-82729	08/25/2011 16:19	1	TAL DEN	JKH
P:3050B	280-19386-A-2-E		280-83216	280-82731	08/25/2011 06:00	1	TAL DEN	CLI
A:6020	280-19386-A-2-E		280-83216	280-82731	08/25/2011 22:08	1	TAL DEN	TEL

Lab ID: 280-19386-3 **Client ID:** NWO-178-0003

Sample Date/Time: 08/19/2011 15:06 Received Date/Time: 08/22/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-19386-A-3-P		280-83782	280-82751	08/24/2011 09:40	1	TAL DEN	JCV
A:8270C/DoD	280-19386-A-3-P		280-83782	280-82751	08/30/2011 03:29	1	TAL DEN	SAT
P:8330B	280-19386-A-3-S		280-83223	280-82896	08/24/2011 20:28	1	TAL DEN	CDC
A:8330B	280-19386-A-3-S		280-83223	280-82896	08/27/2011 00:35	1	TAL DEN	MK
P:3050B	280-19386-A-3-J		280-83183	280-82729	08/23/2011 20:26	1	TAL DEN	CLI
A:6010B	280-19386-A-3-J		280-83183	280-82729	08/25/2011 16:22	1	TAL DEN	JKH
P:3050B	280-19386-A-3-M		280-83216	280-82731	08/25/2011 06:00	1	TAL DEN	CLI
A:6020	280-19386-A-3-M		280-83216	280-82731	08/25/2011 22:11	1	TAL DEN	TEL

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Laboratory Chronicle

Lab ID: **280-19386-3** **Client ID:** **NWO-178-0003**

Sample Date/Time: 08/19/2011 15:06 Received Date/Time: 08/22/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-19386-A-3-Q MS		280-83782	280-82751	08/24/2011 09:40	1	TAL DEN	JCV
A:8270C/DoD	280-19386-A-3-Q MS		280-83782	280-82751	08/30/2011 03:50	1	TAL DEN	SAT
P:8330B	280-19386-A-3-T MS		280-83223	280-82896	08/24/2011 20:28	1	TAL DEN	CDC
A:8330B	280-19386-A-3-T MS		280-83223	280-82896	08/27/2011 01:01	1	TAL DEN	MK
P:3050B	280-19386-A-3-K MS		280-83183	280-82729	08/23/2011 20:26	1	TAL DEN	CLI
A:6010B	280-19386-A-3-K MS		280-83183	280-82729	08/25/2011 16:28	1	TAL DEN	JKH
P:3050B	280-19386-A-3-N MS		280-83216	280-82731	08/25/2011 06:00	1	TAL DEN	CLI
A:6020	280-19386-A-3-N MS		280-83216	280-82731	08/25/2011 22:20	1	TAL DEN	TEL

Lab ID: **280-19386-3** **Client ID:** **NWO-178-0003**

Sample Date/Time: 08/19/2011 15:06 Received Date/Time: 08/22/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-19386-A-3-R MSD		280-83782	280-82751	08/24/2011 09:40	1	TAL DEN	JCV
A:8270C/DoD	280-19386-A-3-R MSD		280-83782	280-82751	08/30/2011 04:10	1	TAL DEN	SAT
P:8330B	280-19386-A-3-U MSD		280-83223	280-82896	08/24/2011 20:28	1	TAL DEN	CDC
A:8330B	280-19386-A-3-U MSD		280-83223	280-82896	08/27/2011 01:27	1	TAL DEN	MK
P:3050B	280-19386-A-3-L MSD		280-83183	280-82729	08/23/2011 20:26	1	TAL DEN	CLI
A:6010B	280-19386-A-3-L MSD		280-83183	280-82729	08/25/2011 16:32	1	TAL DEN	JKH
P:3050B	280-19386-A-3-O MSD		280-83216	280-82731	08/25/2011 06:00	1	TAL DEN	CLI
A:6020	280-19386-A-3-O MSD		280-83216	280-82731	08/25/2011 22:23	1	TAL DEN	TEL

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Laboratory Chronicle

Lab ID: **280-19386-3 SD** **Client ID:** **NWO-178-0003**

Sample Date/Time: 08/19/2011 15:06 Received Date/Time: 08/22/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	280-19386-A-3-J SD ^5		280-83183	280-82729	08/23/2011 20:26	5	TAL DEN	CLI
A:6010B	280-19386-A-3-J SD ^5		280-83183	280-82729	08/25/2011 16:26	5	TAL DEN	JKH
P:3050B	280-19386-A-3-J PDS		280-83183	280-82729	08/23/2011 20:26	1	TAL DEN	CLI
A:6010B	280-19386-A-3-J PDS		280-83183	280-82729	08/25/2011 16:35	1	TAL DEN	JKH
P:3050B	280-19386-A-3-M SD ^5		280-83216	280-82731	08/25/2011 06:00	5	TAL DEN	CLI
A:6020	280-19386-A-3-M SD ^5		280-83216	280-82731	08/25/2011 22:14	5	TAL DEN	TEL
P:3050B	280-19386-A-3-M PDS		280-83216	280-82731	08/25/2011 06:00	1	TAL DEN	CLI
A:6020	280-19386-A-3-M PDS		280-83216	280-82731	08/25/2011 22:17	1	TAL DEN	TEL

Lab ID: **280-19386-4** **Client ID:** **NWO-178-0004**

Sample Date/Time: 08/20/2011 09:38 Received Date/Time: 08/22/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-19386-A-4-F		280-83782	280-82751	08/24/2011 09:40	1	TAL DEN	JCV
A:8270C/DoD	280-19386-A-4-F		280-83782	280-82751	08/30/2011 04:30	1	TAL DEN	SAT
P:8330B	280-19386-A-4-G		280-83223	280-82896	08/24/2011 20:28	1	TAL DEN	CDC
A:8330B	280-19386-A-4-G		280-83223	280-82896	08/27/2011 01:54	1	TAL DEN	MK
P:3050B	280-19386-A-4-D ^5		280-83441	280-82729	08/23/2011 20:26	5	TAL DEN	CLI
A:6010B	280-19386-A-4-D ^5		280-83441	280-82729	08/26/2011 15:36	5	TAL DEN	JKH
P:3050B	280-19386-A-4-E		280-83216	280-82731	08/25/2011 06:00	1	TAL DEN	CLI
A:6020	280-19386-A-4-E		280-83216	280-82731	08/25/2011 22:34	1	TAL DEN	TEL

Lab ID: **280-19386-5** **Client ID:** **NWO-178-0005**

Sample Date/Time: 08/19/2011 10:51 Received Date/Time: 08/22/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-19386-A-5-F		280-83782	280-82751	08/24/2011 09:40	1	TAL DEN	JCV
A:8270C/DoD	280-19386-A-5-F		280-83782	280-82751	08/30/2011 04:51	1	TAL DEN	SAT
P:8330B	280-19386-A-5-G		280-83223	280-82896	08/24/2011 20:28	1	TAL DEN	CDC
A:8330B	280-19386-A-5-G		280-83223	280-82896	08/27/2011 02:20	1	TAL DEN	MK
P:3050B	280-19386-A-5-D		280-83183	280-82729	08/23/2011 20:26	1	TAL DEN	CLI
A:6010B	280-19386-A-5-D		280-83183	280-82729	08/25/2011 16:52	1	TAL DEN	JKH
P:3050B	280-19386-A-5-E		280-83216	280-82731	08/25/2011 06:00	1	TAL DEN	CLI
A:6020	280-19386-A-5-E		280-83216	280-82731	08/25/2011 22:37	1	TAL DEN	TEL

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Laboratory Chronicle

Lab ID: 280-19386-6 **Client ID:** NWO-178-0006

Sample Date/Time: 08/18/2011 17:35 Received Date/Time: 08/22/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-19386-A-6-F		280-83782	280-82751	08/24/2011 09:40	1	TAL DEN	JCV
A:8270C/DoD	280-19386-A-6-F		280-83782	280-82751	08/30/2011 05:11	1	TAL DEN	SAT
P:8330B	280-19386-A-6-G		280-83223	280-82896	08/24/2011 20:28	1	TAL DEN	CDC
A:8330B	280-19386-A-6-G		280-83223	280-82896	08/27/2011 02:46	1	TAL DEN	MK
P:3050B	280-19386-A-6-D ^5		280-83441	280-82729	08/23/2011 20:26	5	TAL DEN	CLI
A:6010B	280-19386-A-6-D ^5		280-83441	280-82729	08/26/2011 15:38	5	TAL DEN	JKH
P:3050B	280-19386-A-6-E		280-83216	280-82731	08/25/2011 06:00	1	TAL DEN	CLI
A:6020	280-19386-A-6-E		280-83216	280-82731	08/25/2011 22:40	1	TAL DEN	TEL

Lab ID: 280-19386-7 **Client ID:** NWO-178-0009

Sample Date/Time: 08/18/2011 16:49 Received Date/Time: 08/22/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-19386-A-7-F		280-83782	280-82751	08/24/2011 09:40	1	TAL DEN	JCV
A:8270C/DoD	280-19386-A-7-F		280-83782	280-82751	08/30/2011 05:31	1	TAL DEN	SAT
P:8330B	280-19386-A-7-G		280-83223	280-82896	08/24/2011 20:28	1	TAL DEN	CDC
A:8330B	280-19386-A-7-G		280-83223	280-82896	08/27/2011 03:13	1	TAL DEN	MK
P:3050B	280-19386-A-7-D		280-83183	280-82729	08/23/2011 20:26	1	TAL DEN	CLI
A:6010B	280-19386-A-7-D		280-83183	280-82729	08/25/2011 16:59	1	TAL DEN	JKH
P:3050B	280-19386-A-7-E		280-83216	280-82731	08/25/2011 06:00	1	TAL DEN	CLI
A:6020	280-19386-A-7-E		280-83216	280-82731	08/25/2011 22:43	1	TAL DEN	TEL

Lab ID: 280-19386-8 **Client ID:** NWO-178-0010

Sample Date/Time: 08/19/2011 09:21 Received Date/Time: 08/22/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-19386-A-8-F		280-83782	280-82751	08/24/2011 09:40	1	TAL DEN	JCV
A:8270C/DoD	280-19386-A-8-F		280-83782	280-82751	08/30/2011 05:51	1	TAL DEN	SAT
P:8330B	280-19386-A-8-G		280-83223	280-82896	08/24/2011 20:28	1	TAL DEN	CDC
A:8330B	280-19386-A-8-G		280-83223	280-82896	08/27/2011 03:39	1	TAL DEN	MK
P:3050B	280-19386-A-8-D		280-83183	280-82729	08/23/2011 20:26	1	TAL DEN	CLI
A:6010B	280-19386-A-8-D		280-83183	280-82729	08/25/2011 17:02	1	TAL DEN	JKH
P:3050B	280-19386-A-8-E		280-83216	280-82731	08/25/2011 06:00	1	TAL DEN	CLI
A:6020	280-19386-A-8-E		280-83216	280-82731	08/25/2011 22:46	1	TAL DEN	TEL

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Laboratory Chronicle

Lab ID: **280-19386-9** **Client ID:** **NWO-178-5001**

Sample Date/Time: 08/17/2011 17:40 Received Date/Time: 08/22/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-19386-A-9-F		280-83782	280-82751	08/24/2011 09:40	1	TAL DEN	JCV
A:8270C/DoD	280-19386-A-9-F		280-83782	280-82751	08/30/2011 06:12	1	TAL DEN	SAT
P:3050B	280-19386-A-9-D		280-83183	280-82729	08/23/2011 20:26	1	TAL DEN	CLI
A:6010B	280-19386-A-9-D		280-83183	280-82729	08/25/2011 17:05	1	TAL DEN	JKH
P:3050B	280-19386-A-9-E		280-83216	280-82731	08/25/2011 06:00	1	TAL DEN	CLI
A:6020	280-19386-A-9-E		280-83216	280-82731	08/25/2011 22:49	1	TAL DEN	TEL

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	MB 280-82751/1-A		280-83782	280-82751	08/24/2011 09:40	1	TAL DEN	JCV
A:8270C/DoD	MB 280-82751/1-A		280-83782	280-82751	08/29/2011 20:40	1	TAL DEN	SAT
P:8330B	MB 280-82896/1-A		280-83223	280-82896	08/24/2011 20:28	1	TAL DEN	CDC
A:8330B	MB 280-82896/1-A		280-83223	280-82896	08/26/2011 21:04	1	TAL DEN	MK
P:3050B	MB 280-82729/1-A		280-83183	280-82729	08/23/2011 20:26	1	TAL DEN	CLI
A:6010B	MB 280-82729/1-A		280-83183	280-82729	08/25/2011 16:11	1	TAL DEN	JKH
P:3050B	MB 280-82731/1-A		280-83216	280-82731	08/25/2011 06:00	1	TAL DEN	CLI
A:6020	MB 280-82731/1-A		280-83216	280-82731	08/25/2011 21:59	1	TAL DEN	TEL

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	PB 280-82481/20-B		280-83223	280-82896	08/24/2011 20:28	1	TAL DEN	CDC
A:8330B	PB 280-82481/20-B		280-83223	280-82896	08/26/2011 21:31	1	TAL DEN	MK

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	LCS 280-82751/2-A		280-83782	280-82751	08/24/2011 09:40	1	TAL DEN	JCV
A:8270C/DoD	LCS 280-82751/2-A		280-83782	280-82751	08/29/2011 21:01	1	TAL DEN	SAT
P:8330B	LCS 280-82896/4-A		280-83223	280-82896	08/24/2011 20:28	1	TAL DEN	CDC
A:8330B	LCS 280-82896/4-A		280-83223	280-82896	08/26/2011 22:23	1	TAL DEN	MK
P:3050B	LCS 280-82729/2-A		280-83183	280-82729	08/23/2011 20:26	1	TAL DEN	CLI
A:6010B	LCS 280-82729/2-A		280-83183	280-82729	08/25/2011 16:13	1	TAL DEN	JKH
P:3050B	LCS 280-82731/2-A		280-83216	280-82731	08/25/2011 06:00	1	TAL DEN	CLI
A:6020	LCS 280-82731/2-A		280-83216	280-82731	08/25/2011 22:02	1	TAL DEN	TEL

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	LCSSRM 280-82481/21-B		280-83223	280-82896	08/24/2011 20:28	1	TAL DEN	CDC
A:8330B	LCSSRM 280-82481/21-B		280-83223	280-82896	08/26/2011 21:57	1	TAL DEN	MK

Lab References:
TAL DEN = TestAmerica Denver

Certification Summary

Client: Shaw Environmental & Infrastructure, Inc
Project/Site: FUDS MMRP SI - Pocatello BR No. 3

TestAmerica Job ID: 280-19386-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Denver	A2LA	DoD ELAP		2907.01
TestAmerica Denver	A2LA	ISO/IEC 17025		2907.01
TestAmerica Denver	Alabama	State Program	4	40730
TestAmerica Denver	Alaska	Alaska UST	10	UST-30
TestAmerica Denver	Arizona	State Program	9	AZ0713
TestAmerica Denver	Arkansas	State Program	6	88-0687
TestAmerica Denver	California	State Program	9	2513
TestAmerica Denver	Colorado	State Program	8	N/A
TestAmerica Denver	Connecticut	State Program	1	PH-0686
TestAmerica Denver	Florida	NELAC	4	E87667
TestAmerica Denver	Georgia	State Program	4	N/A
TestAmerica Denver	Idaho	State Program	10	CO00026
TestAmerica Denver	Illinois	NELAC	5	200017
TestAmerica Denver	Iowa	State Program	7	370
TestAmerica Denver	Kansas	NELAC	7	E-10166
TestAmerica Denver	Louisiana	NELAC	6	30785
TestAmerica Denver	Maine	State Program	1	CO0002
TestAmerica Denver	Maryland	State Program	3	268
TestAmerica Denver	Minnesota	NELAC	5	8-999-405
TestAmerica Denver	Nevada	State Program	9	CO0026
TestAmerica Denver	New Hampshire	NELAC	1	205310
TestAmerica Denver	New Jersey	NELAC	2	CO004
TestAmerica Denver	New Mexico	State Program	6	N/A
TestAmerica Denver	New York	NELAC	2	11964
TestAmerica Denver	North Carolina	North Carolina DENR	4	358
TestAmerica Denver	North Dakota	State Program	8	R-034
TestAmerica Denver	Oklahoma	State Program	6	8614
TestAmerica Denver	Oregon	NELAC	10	CO200001
TestAmerica Denver	Pennsylvania	NELAC	3	68-00664
TestAmerica Denver	South Carolina	State Program	4	72002
TestAmerica Denver	Tennessee	State Program	4	TN02944
TestAmerica Denver	Texas	NELAC	6	T104704183-08-TX
TestAmerica Denver	USDA	USDA		P330-08-00036
TestAmerica Denver	Utah	NELAC	8	QUAN5
TestAmerica Denver	Washington	State Program	10	C1284
TestAmerica Denver	West Virginia	West Virginia DEP	3	354
TestAmerica Denver	Wisconsin	State Program	5	999615430

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

Method 8270C DOD

Semivolatile Compounds (GC/MS) by Method 8270/DOD

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Matrix: Solid Level: Low

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

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
NWO-178-0001	280-19386-1	84	87	80	81	94	87
NWO-178-0002	280-19386-2	80	83	74	78	91	84
NWO-178-0003	280-19386-3	85	86	80	82	96	92
NWO-178-0004	280-19386-4	77	80	74	75	99	94
NWO-178-0005	280-19386-5	84	85	80	80	99	95
NWO-178-0006	280-19386-6	78	82	75	78	95	86
NWO-178-0009	280-19386-7	78	82	75	77	91	85
NWO-178-0010	280-19386-8	76	81	70	75	91	85
NWO-178-5001	280-19386-9	78	80	76	76	92	89
	MB 280-82751/1-A	84	83	80	84	91	100
	LCS 280-82751/2-A	83	86	83	88	105	100
NWO-178-0003 MS	280-19386-3 MS	82	85	80	85	103	94
NWO-178-0003 MSD	280-19386-3 MSD	82	83	79	82	102	94

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	35-105
PHL = Phenol-d5 (Surr)	40-100
NBZ = Nitrobenzene-d5 (Surr)	35-100
FBP = 2-Fluorobiphenyl	45-105
TBP = 2,4,6-Tribromophenol (Surr)	35-125
TPH = Terphenyl-d14 (Surr)	30-125

Column to be used to flag recovery values

FORM II 8270C/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: Y2528.D

Lab ID: LCS 280-82751/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Anthracene	2660	2520	95	55-105	
Hexachloroethane	2660	2020	76	35-110	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: Y2548.D

Lab ID: 280-19386-3 MS Client ID: NWO-178-0003 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Anthracene	2630	15.5 U	2450	93	55-105	
Hexachloroethane	2630	19.4 U	1840	70	35-110	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: Y2549.D

Lab ID: 280-19386-3 MSD Client ID: NWO-178-0003 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Anthracene	2650	2410	91	2	30	55-105	
Hexachloroethane	2650	1840	69	0	30	35-110	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Lab File ID: Y2527.D Lab Sample ID: MB 280-82751/1-A

Matrix: Solid Date Extracted: 08/24/2011 09:40

Instrument ID: MSS_Y Date Analyzed: 08/29/2011 20:40

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 280-82751/2-A	Y2528.D	08/29/2011 21:01
NWO-178-0001	280-19386-1	Y2545.D	08/30/2011 02:49
NWO-178-0002	280-19386-2	Y2546.D	08/30/2011 03:09
NWO-178-0003	280-19386-3	Y2547.D	08/30/2011 03:29
NWO-178-0003 MS	280-19386-3 MS	Y2548.D	08/30/2011 03:50
NWO-178-0003 MSD	280-19386-3 MSD	Y2549.D	08/30/2011 04:10
NWO-178-0004	280-19386-4	Y2550.D	08/30/2011 04:30
NWO-178-0005	280-19386-5	Y2551.D	08/30/2011 04:51
NWO-178-0006	280-19386-6	Y2552.D	08/30/2011 05:11
NWO-178-0009	280-19386-7	Y2553.D	08/30/2011 05:31
NWO-178-0010	280-19386-8	Y2554.D	08/30/2011 05:51
NWO-178-5001	280-19386-9	Y2555.D	08/30/2011 06:12

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

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Lab File ID: Y2252.D DFTPP Injection Date: 08/15/2011

Instrument ID: MSS_Y DFTPP Injection Time: 09:55

Analysis Batch No.: 81442

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	43.9	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	44.7	
70	Less than 2.0 % of mass 69	0.1	(0.2)1
127	40.0 - 60.0 % of mass 198	53.6	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.8	
275	10.0 - 30.0 % of mass 198	26.2	
365	Greater than 1.0 % of mass 198	3.3	
441	Present but less than mass 443	5.2	
442	Greater than 40.0 % of mass 198	57.7	
443	17.0 - 23.0 % of mass 442	10.9	(18.9)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-81442/2	Y2253.D	08/15/2011	10:06
	IC 280-81442/3	Y2254.D	08/15/2011	10:26
	IC 280-81442/4	Y2255.D	08/15/2011	10:47
	ICIS 280-81442/5	Y2256.D	08/15/2011	11:07
	IC 280-81442/6	Y2257.D	08/15/2011	11:28
	IC 280-81442/7	Y2258.D	08/15/2011	11:49
	IC 280-81442/8	Y2259.D	08/15/2011	12:09
	IC 280-81442/9	Y2260.D	08/15/2011	12:30
	ICV 280-81442/10	Y2261.D	08/15/2011	13:08
	ICV 280-81442/11	Y2262.D	08/15/2011	13:29
	ICV 280-81442/12	Y2263.D	08/15/2011	13:49

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

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Lab File ID: Y2523.D DFTPP Injection Date: 08/29/2011

Instrument ID: MSS_Y DFTPP Injection Time: 19:10

Analysis Batch No.: 83782

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	41.9	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	43.8	
70	Less than 2.0 % of mass 69	0.2	(0.4)1
127	40.0 - 60.0 % of mass 198	51.4	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.9	
275	10.0 - 30.0 % of mass 198	27.5	
365	Greater than 1.0 % of mass 198	3.4	
441	Present but less than mass 443	5.2	
442	Greater than 40.0 % of mass 198	61.0	
443	17.0 - 23.0 % of mass 442	11.5	(18.8)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-83782/2	Y2524.D	08/29/2011	19:39
	MB 280-82751/1-A	Y2527.D	08/29/2011	20:40
	LCS 280-82751/2-A	Y2528.D	08/29/2011	21:01
NWO-178-0001	280-19386-1	Y2545.D	08/30/2011	02:49
NWO-178-0002	280-19386-2	Y2546.D	08/30/2011	03:09
NWO-178-0003	280-19386-3	Y2547.D	08/30/2011	03:29
NWO-178-0003 MS	280-19386-3 MS	Y2548.D	08/30/2011	03:50
NWO-178-0003 MSD	280-19386-3 MSD	Y2549.D	08/30/2011	04:10
NWO-178-0004	280-19386-4	Y2550.D	08/30/2011	04:30
NWO-178-0005	280-19386-5	Y2551.D	08/30/2011	04:51
NWO-178-0006	280-19386-6	Y2552.D	08/30/2011	05:11
NWO-178-0009	280-19386-7	Y2553.D	08/30/2011	05:31
NWO-178-0010	280-19386-8	Y2554.D	08/30/2011	05:51
NWO-178-5001	280-19386-9	Y2555.D	08/30/2011	06:12

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

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Sample No.: ICIS 280-81442/5 Date Analyzed: 08/15/2011 11:07

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

Lab File ID (Standard): Y2256.D Heated Purge: (Y/N) N

Calibration ID: 6838

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		225723	4.74	884000	5.96	536228	7.67
UPPER LIMIT							
LOWER LIMIT							
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-81442/10		246745	4.74	989006	5.96	594334	7.67
ICV 280-81442/11		260364	4.74	1011242	5.95	606304	7.66
ICV 280-81442/12		219896	4.74	867560	5.96	511772	7.66
CCV 280-83782/2		265141	4.71	1034964	5.93	595184	7.64
MB 280-82751/1-A		209473	4.71	819625	5.93	485638	7.64
LCS 280-82751/2-A		197710	4.71	791366	5.94	474275	7.65
280-19386-1	NWO-178-0001	195894	4.71	785372	5.94	481035	7.65
280-19386-2	NWO-178-0002	200153	4.71	813136	5.94	489954	7.64
280-19386-3	NWO-178-0003	201371	4.71	801346	5.93	492449	7.64
280-19386-3 MS	NWO-178-0003 MS	207139	4.71	828234	5.94	501695	7.64
280-19386-3 MSD	NWO-178-0003 MSD	202346	4.71	811693	5.94	498188	7.65
280-19386-4	NWO-178-0004	202553	4.71	804364	5.93	499437	7.64
280-19386-5	NWO-178-0005	208551	4.71	832499	5.94	516637	7.64
280-19386-6	NWO-178-0006	201302	4.71	808375	5.93	489351	7.64
280-19386-7	NWO-178-0009	195085	4.71	781434	5.93	478722	7.64
280-19386-8	NWO-178-0010	199764	4.71	809990	5.93	495373	7.64
280-19386-9	NWO-178-5001	203653	4.71	798518	5.93	489610	7.64

Column used to flag values outside QC limits

FORM VIII 8270C/DOD

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

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Sample No.: ICIS 280-81442/5 Date Analyzed: 08/15/2011 11:07

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

Lab File ID (Standard): Y2256.D Heated Purge: (Y/N) N

Calibration ID: 6838

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		892215	8.93	1017471	11.04	922516	12.36
UPPER LIMIT							
LOWER LIMIT							
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-81442/10		996712	8.93	1130735	11.07	994723	12.41
ICV 280-81442/11		1027502	8.93	1153127	11.05	1019241	12.39
ICV 280-81442/12		870702	8.93	951264	11.04	839804	12.37
CCV 280-83782/2		997691	8.91	1142032	11.03	1038400	12.34
MB 280-82751/1-A		849356	8.90	870484	10.97	786679	12.27
LCS 280-82751/2-A		857600	8.90	917116	10.98	817130	12.28
280-19386-1	NWO-178-0001	831010	8.90	903157	10.96	827805	12.25
280-19386-2	NWO-178-0002	835670	8.90	925260	10.96	856444	12.25
280-19386-3	NWO-178-0003	823981	8.90	911945	10.96	817317	12.25
280-19386-3 MS	NWO-178-0003 MS	860286	8.90	952382	10.97	861936	12.26
280-19386-3 MSD	NWO-178-0003 MSD	849845	8.90	913846	10.97	827476	12.25
280-19386-4	NWO-178-0004	852170	8.90	924777	10.95	840997	12.24
280-19386-5	NWO-178-0005	874909	8.90	935513	10.96	844436	12.25
280-19386-6	NWO-178-0006	838327	8.90	917090	10.96	839009	12.26
280-19386-7	NWO-178-0009	819781	8.90	895314	10.97	824200	12.26
280-19386-8	NWO-178-0010	839312	8.90	911819	10.97	838524	12.27
280-19386-9	NWO-178-5001	836559	8.91	904063	10.96	816817	12.24

Column used to flag values outside QC limits

FORM VIII 8270C/DOD

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19386-1

SDG No.:

Client Sample ID: NWO-178-0001 | Lab Sample ID: 280-19386-1

Matrix: Solid | Lab File ID: Y2545.D

Analysis Method: 8270C/DoD | Date Collected: 08/18/2011 15:51

Extract. Method: 3550C | Date Extracted: 08/24/2011 09:40

Sample wt/vol: 31(g) | Date Analyzed: 08/30/2011 02:49

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

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

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

Analysis Batch No.: 83782 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-12-7	Anthracene	16.5	U	319	16.5
67-72-1	Hexachloroethane	20.6	U	319	20.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	81		45-105
367-12-4	2-Fluorophenol (Surr)	84		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	80		35-100
1718-51-0	Terphenyl-d14 (Surr)	87		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	94		35-125
4165-62-2	Phenol-d5 (Surr)	87		40-100

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\Y2545.D
Lab Smp Id: 280-19386-A-1-F Client Smp ID: NWO-178-0001
Inj Date : 30-AUG-2011 02:49
Operator : TINKHAMS Inst ID: Y.i
Smp Info : 280-19386-a-1-f
Misc Info : 280-19386-A-1-F
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\8270C.m
Meth Date : 29-Aug-2011 22:43 Y.i Quant Type: ISTD
Cal Date : 29-AUG-2011 20:20 Cal File: Y2526.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: H.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	31.000	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 26 1,4-Dichlorobenzene-d4	152	4.707	4.708	(1.000)	195894	40.0000	
* 58 Naphthalene-d8	136	5.935	5.936	(1.000)	785372	40.0000	
* 96 Acenaphthene-d10	164	7.645	7.646	(1.000)	481035	40.0000	
* 135 Phenanthrene-d10	188	8.902	8.903	(1.000)	831010	40.0000	
* 166 Chrysene-d12	240	10.959	10.959	(1.000)	903157	40.0000	
* 179 Perylene-d12	264	12.245	12.258	(1.000)	827805	40.0000	
$ 8 2-Fluorophenol	112	3.520	3.508	(0.748)	839996	126.493	4080.41
$ 15 Phenol-d5	99	4.325	4.324	(0.919)	1103524	130.328	4204.13
$ 43 Nitrobenzene-d5	82	5.236	5.235	(0.882)	622715	80.4918	2596.51
$ 81 2-Fluorobiphenyl	172	6.981	6.980	(0.913)	1292174	81.3088	2622.86
$ 118 2,4,6-Tribromophenol	330	8.332	8.337	(1.090)	292373	140.362	4527.81
$ 154 Terphenyl-d14	244	10.095	10.124	(0.921)	1579671	86.9474	2804.75(H)
$ 29 1,2-Dichlorobenzene-d4	152	4.854	4.853	(1.031)	398925	77.9497	2514.51
$ 22 2-Chlorophenol-d4	132	4.496	4.495	(0.955)	914368	125.290	4041.62
6 Pyridine	79	Compound Not Detected.					
5 N-Nitrosodimethylamine	74	Compound Not Detected.					
18 Aniline	93	Compound Not Detected.					
16 Phenol	94	Compound Not Detected.					
20 Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23 2-Chlorophenol	128	Compound Not Detected.					
25 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
28 Benzyl alcohol	108	Compound Not Detected.					
30 1,2-Dichlorobenzene	146	Compound Not Detected.					
32 2-Methylphenol	108	Compound Not Detected.					
35 1H-Indene	116	Compound Not Detected.					
34 2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
138 3-Methylphenol	108	Compound Not Detected.					
36 4-Methylphenol	108	Compound Not Detected.					
139 3 & 4-Methylphenol	108	Compound Not Detected.					
37 N-nitrosodi-n-propylamine	70	Compound Not Detected.					
38 Acetophenone	105	Compound Not Detected.					
41 Hexachloroethane	117	Compound Not Detected.					
44 Nitrobenzene	77	Compound Not Detected.					
47 Isophorone	82	Compound Not Detected.					
49 2-Nitrophenol	139	Compound Not Detected.					
50 2,4-Dimethylphenol	107	Compound Not Detected.					
52 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53 Benzoic acid	122	Compound Not Detected.					
54 2,4-Dichlorophenol	162	Compound Not Detected.					
57 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
59 Naphthalene	128	Compound Not Detected.					
60 4-Chloroaniline	127	Compound Not Detected.					
62 Hexachlorobutadiene	225	Compound Not Detected.					
68 4-Chloro-3-methylphenol	107	Compound Not Detected.					
71 2-Methylnaphthalene	142	Compound Not Detected.					
72 1-Methylnaphthalene	142	Compound Not Detected.					
74 Hexachlorocyclopentadiene	237	Compound Not Detected.					
78 2,4,6-Trichlorophenol	196	Compound Not Detected.					
80 2,4,5-Trichlorophenol	196	Compound Not Detected.					
86 2-Chloronaphthalene	162	Compound Not Detected.					
88 2-Nitroaniline	65	Compound Not Detected.					
91 Dimethyl phthalate	163	Compound Not Detected.					
93 2,6-Dinitrotoluene	165	Compound Not Detected.					
94 Acenaphthylene	152	Compound Not Detected.					
95 3-Nitroaniline	138	Compound Not Detected.					
97 Acenaphthene	153	Compound Not Detected.					
98 2,4-Dinitrophenol	184	Compound Not Detected.					
99 4-Nitrophenol	109	Compound Not Detected.					
101 2,4-Dinitrotoluene	165	Compound Not Detected.					
102 Dibenzofuran	168	Compound Not Detected.					
107 Diethyl phthalate	149	Compound Not Detected.					
109 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
110 Fluorene	166	Compound Not Detected.					
112 4-Nitroaniline	138	Compound Not Detected.					
113 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115 N-nitrosodiphenylamine	169	Compound Not Detected.					
116 Azobenzene	77	Compound Not Detected.					
234 1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
124 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125 Hexachlorobenzene	284	Compound Not Detected.					
129 Pentachlorophenol	266	Compound Not Detected.					
136 Phenanthrene	178	Compound Not Detected.					
137 Anthracene	178	Compound Not Detected.					
140 Carbazole	167	Compound Not Detected.					
143 Di-n-butyl phthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
149 Fluoranthene	202	Compound Not Detected.					
151 Benzidine	184	Compound Not Detected.					
152 Pyrene	202	Compound Not Detected.					
159 Butyl benzyl phthalate	149	Compound Not Detected.					
164 3 3'-Dichlorobenzidine	252	Compound Not Detected.					
165 Benzo(a)anthracene	228	Compound Not Detected.					
167 Chrysene	228	Compound Not Detected.					
162 Bis(2-ethylhexyl) phthalate	149	10.812	10.881	(0.987)	112416	9.46854	305.437(H)
168 Di-n-octyl phthalate	149	Compound Not Detected.					
170 Hexachlorophene	196	Compound Not Detected.					
171 Benzo(b)fluoranthene	252	Compound Not Detected.					
172 Benzo(k)fluoranthene	252	Compound Not Detected.					
178 Benzo(a)pyrene	252	Compound Not Detected.					
186 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
185 Dibenz(a,h)anthracene	278	Compound Not Detected.					
188 Benzo(g,h,i)perylene	276	Compound Not Detected.					
19 Methyl Styrene	118	Compound Not Detected.					
141 Alachlor	188	Compound Not Detected.					
127 Atrazine	200	Compound Not Detected.					
67 Caprolactam	55	Compound Not Detected.					
79 2,3-Dichlorobenzeneamine	161	Compound Not Detected.					
21 Decane	43	Compound Not Detected.					
56 n-Dodecane	43	5.841	5.840	(0.764)	20048	2.89972	93.5393(a)
83 Tetradecane	43	Compound Not Detected.					
105 Hexadecane	57	Compound Not Detected.					
128 n-Octadecane	85	Compound Not Detected.					
144 n-Eicosane	43	Compound Not Detected.					
150 n-docosane	43	Compound Not Detected.					
4 1,4-Dioxane	88	Compound Not Detected.					
158 Famphur	218	Compound Not Detected.					

QC Flag Legend

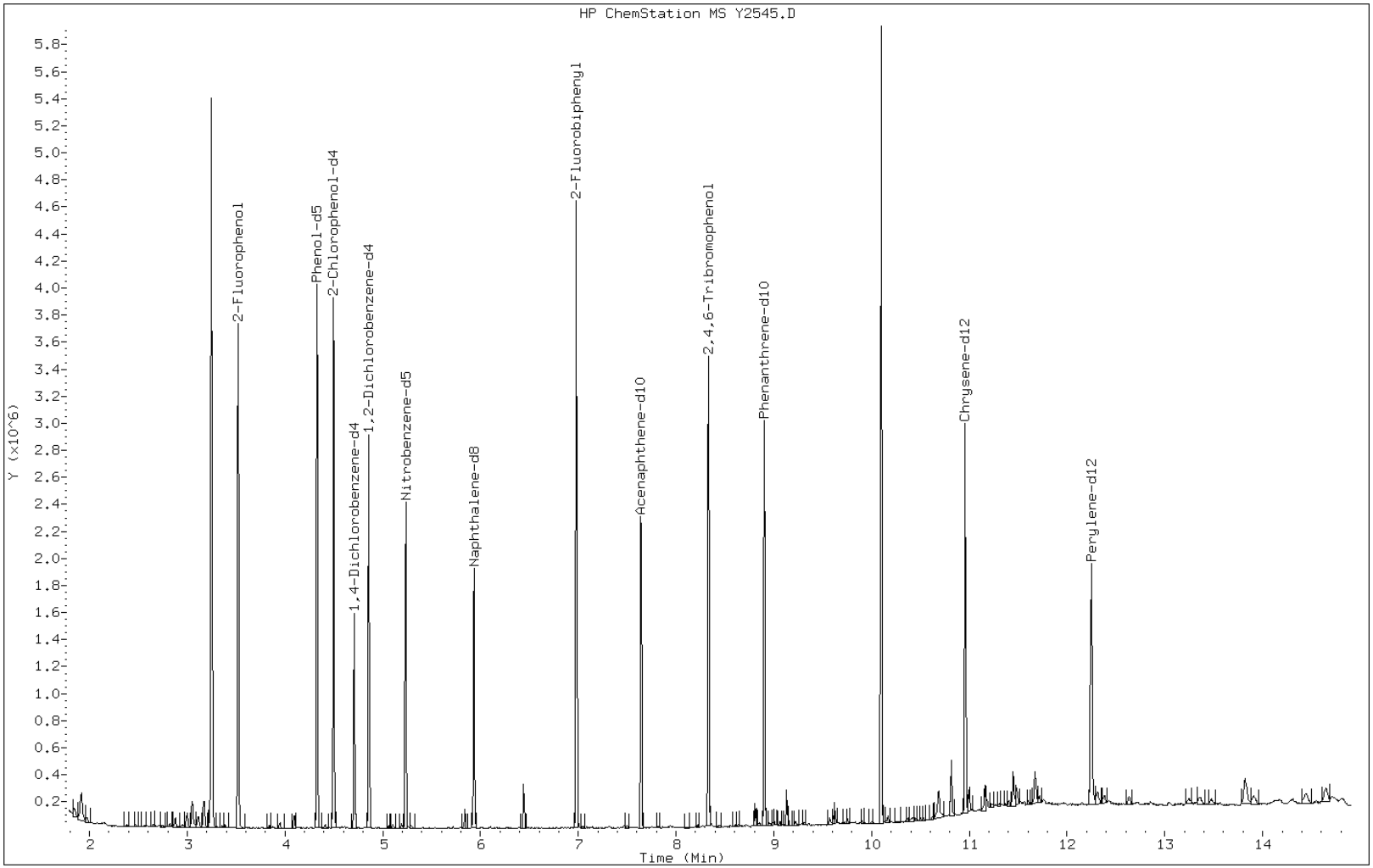
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: Y2545.D

Date: 30-AUG-2011 02:49

Client ID: NWO-178-0001 Instrument: Y.i

Sample Info: 280-19386-a-1-f Operator: TINKHAMS



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19386-1

SDG No.:

Client Sample ID: NWO-178-0002 | Lab Sample ID: 280-19386-2

Matrix: Solid | Lab File ID: Y2546.D

Analysis Method: 8270C/DoD | Date Collected: 08/19/2011 16:17

Extract. Method: 3550C | Date Extracted: 08/24/2011 09:40

Sample wt/vol: 30.2(g) | Date Analyzed: 08/30/2011 03:09

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

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

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

Analysis Batch No.: 83782 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-12-7	Anthracene	16.9	U	328	16.9
67-72-1	Hexachloroethane	21.2	U	328	21.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	78		45-105
367-12-4	2-Fluorophenol (Surr)	80		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	74		35-100
1718-51-0	Terphenyl-d14 (Surr)	84		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	91		35-125
4165-62-2	Phenol-d5 (Surr)	83		40-100

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\Y2546.D
Lab Smp Id: 280-19386-A-2-F Client Smp ID: NWO-178-0002
Inj Date : 30-AUG-2011 03:09
Operator : TINKHAMS Inst ID: Y.i
Smp Info : 280-19386-a-2-f
Misc Info : 280-19386-A-2-F
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\8270C.m
Meth Date : 29-Aug-2011 22:43 Y.i Quant Type: ISTD
Cal Date : 29-AUG-2011 20:20 Cal File: Y2526.D
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: H.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	30.200	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 26 1,4-Dichlorobenzene-d4	152	4.708	4.708	(1.000)	200153	40.0000	
* 58 Naphthalene-d8	136	5.936	5.936	(1.000)	813136	40.0000	
* 96 Acenaphthene-d10	164	7.640	7.646	(1.000)	489954	40.0000	
* 135 Phenanthrene-d10	188	8.903	8.903	(1.000)	835670	40.0000	
* 166 Chrysene-d12	240	10.959	10.959	(1.000)	925260	40.0000	
* 179 Perylene-d12	264	12.252	12.258	(1.000)	856444	40.0000	
$ 8 2-Fluorophenol	112	3.521	3.508	(0.748)	812581	119.761	3965.58
$ 15 Phenol-d5	99	4.326	4.324	(0.919)	1072987	124.025	4106.79
$ 43 Nitrobenzene-d5	82	5.237	5.235	(0.882)	595967	74.4040	2463.71
$ 81 2-Fluorobiphenyl	172	6.982	6.980	(0.914)	1259905	77.8351	2577.32
$ 118 2,4,6-Tribromophenol	330	8.333	8.337	(1.091)	290713	137.025	4537.24
$ 154 Terphenyl-d14	244	10.096	10.124	(0.921)	1561001	83.8672	2777.06
$ 29 1,2-Dichlorobenzene-d4	152	4.855	4.853	(1.031)	390356	74.6523	2471.93
$ 22 2-Chlorophenol-d4	132	4.496	4.495	(0.955)	897300	120.335	3984.60
6 Pyridine	79	Compound Not Detected.					
5 N-Nitrosodimethylamine	74	Compound Not Detected.					
18 Aniline	93	Compound Not Detected.					
16 Phenol	94	Compound Not Detected.					
20 Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23 2-Chlorophenol	128	Compound Not Detected.					
25 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
28 Benzyl alcohol	108	4.819	4.818	(1.024)	1876	0.41120	13.6158(a)
30 1,2-Dichlorobenzene	146	Compound Not Detected.					
32 2-Methylphenol	108	Compound Not Detected.					
35 1H-Indene	116	Compound Not Detected.					
34 2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
138 3-Methylphenol	108	Compound Not Detected.					
36 4-Methylphenol	108	Compound Not Detected.					
139 3 & 4-Methylphenol	108	Compound Not Detected.					
37 N-nitrosodi-n-propylamine	70	Compound Not Detected.					
38 Acetophenone	105	Compound Not Detected.					
41 Hexachloroethane	117	Compound Not Detected.					
44 Nitrobenzene	77	Compound Not Detected.					
47 Isophorone	82	Compound Not Detected.					
49 2-Nitrophenol	139	Compound Not Detected.					
50 2,4-Dimethylphenol	107	Compound Not Detected.					
52 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53 Benzoic acid	122	Compound Not Detected.					
54 2,4-Dichlorophenol	162	Compound Not Detected.					
57 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
59 Naphthalene	128	Compound Not Detected.					
60 4-Chloroaniline	127	Compound Not Detected.					
62 Hexachlorobutadiene	225	Compound Not Detected.					
68 4-Chloro-3-methylphenol	107	Compound Not Detected.					
71 2-Methylnaphthalene	142	Compound Not Detected.					
72 1-Methylnaphthalene	142	Compound Not Detected.					
74 Hexachlorocyclopentadiene	237	Compound Not Detected.					
78 2,4,6-Trichlorophenol	196	Compound Not Detected.					
80 2,4,5-Trichlorophenol	196	Compound Not Detected.					
86 2-Chloronaphthalene	162	Compound Not Detected.					
88 2-Nitroaniline	65	Compound Not Detected.					
91 Dimethyl phthalate	163	Compound Not Detected.					
93 2,6-Dinitrotoluene	165	Compound Not Detected.					
94 Acenaphthylene	152	Compound Not Detected.					
95 3-Nitroaniline	138	Compound Not Detected.					
97 Acenaphthene	153	Compound Not Detected.					
98 2,4-Dinitrophenol	184	Compound Not Detected.					
99 4-Nitrophenol	109	Compound Not Detected.					
101 2,4-Dinitrotoluene	165	Compound Not Detected.					
102 Dibenzofuran	168	Compound Not Detected.					
107 Diethyl phthalate	149	Compound Not Detected.					
109 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
110 Fluorene	166	Compound Not Detected.					
112 4-Nitroaniline	138	Compound Not Detected.					
113 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115 N-nitrosodiphenylamine	169	Compound Not Detected.					
116 Azobenzene	77	Compound Not Detected.					
234 1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
124 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125 Hexachlorobenzene	284	Compound Not Detected.					
129 Pentachlorophenol	266	Compound Not Detected.					
136 Phenanthrene	178	Compound Not Detected.					
137 Anthracene	178	Compound Not Detected.					
140 Carbazole	167	Compound Not Detected.					
143 Di-n-butyl phthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
149 Fluoranthene	202	Compound Not Detected.					
151 Benzidine	184	Compound Not Detected.					
152 Pyrene	202	Compound Not Detected.					
159 Butyl benzyl phthalate	149	Compound Not Detected.					
164 3 3'-Dichlorobenzidine	252	Compound Not Detected.					
165 Benzo(a)anthracene	228	Compound Not Detected.					
167 Chrysene	228	Compound Not Detected.					
162 Bis(2-ethylhexyl) phthalate	149	10.818	10.881	(0.987)	91083	7.98295	264.336(H)
168 Di-n-octyl phthalate	149	Compound Not Detected.					
170 Hexachlorophene	196	Compound Not Detected.					
171 Benzo(b)fluoranthene	252	Compound Not Detected.					
172 Benzo(k)fluoranthene	252	Compound Not Detected.					
178 Benzo(a)pyrene	252	Compound Not Detected.					
186 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
185 Dibenz(a,h)anthracene	278	Compound Not Detected.					
188 Benzo(g,h,i)perylene	276	Compound Not Detected.					
19 Methyl Styrene	118	Compound Not Detected.					
141 Alachlor	188	Compound Not Detected.					
127 Atrazine	200	Compound Not Detected.					
67 Caprolactam	55	Compound Not Detected.					
79 2,3-Dichlorobenzeneamine	161	Compound Not Detected.					
21 Decane	43	Compound Not Detected.					
56 n-Dodecane	43	5.842	5.840	(0.765)	25166	3.57372	118.335(a)
83 Tetradecane	43	Compound Not Detected.					
105 Hexadecane	57	Compound Not Detected.					
128 n-Octadecane	85	Compound Not Detected.					
144 n-Eicosane	43	Compound Not Detected.					
150 n-docosane	43	9.902	9.924	(1.296)	4329	0.62545	20.7102(aQ)
4 1,4-Dioxane	88	Compound Not Detected.					
158 Famphur	218	Compound Not Detected.					

QC Flag Legend

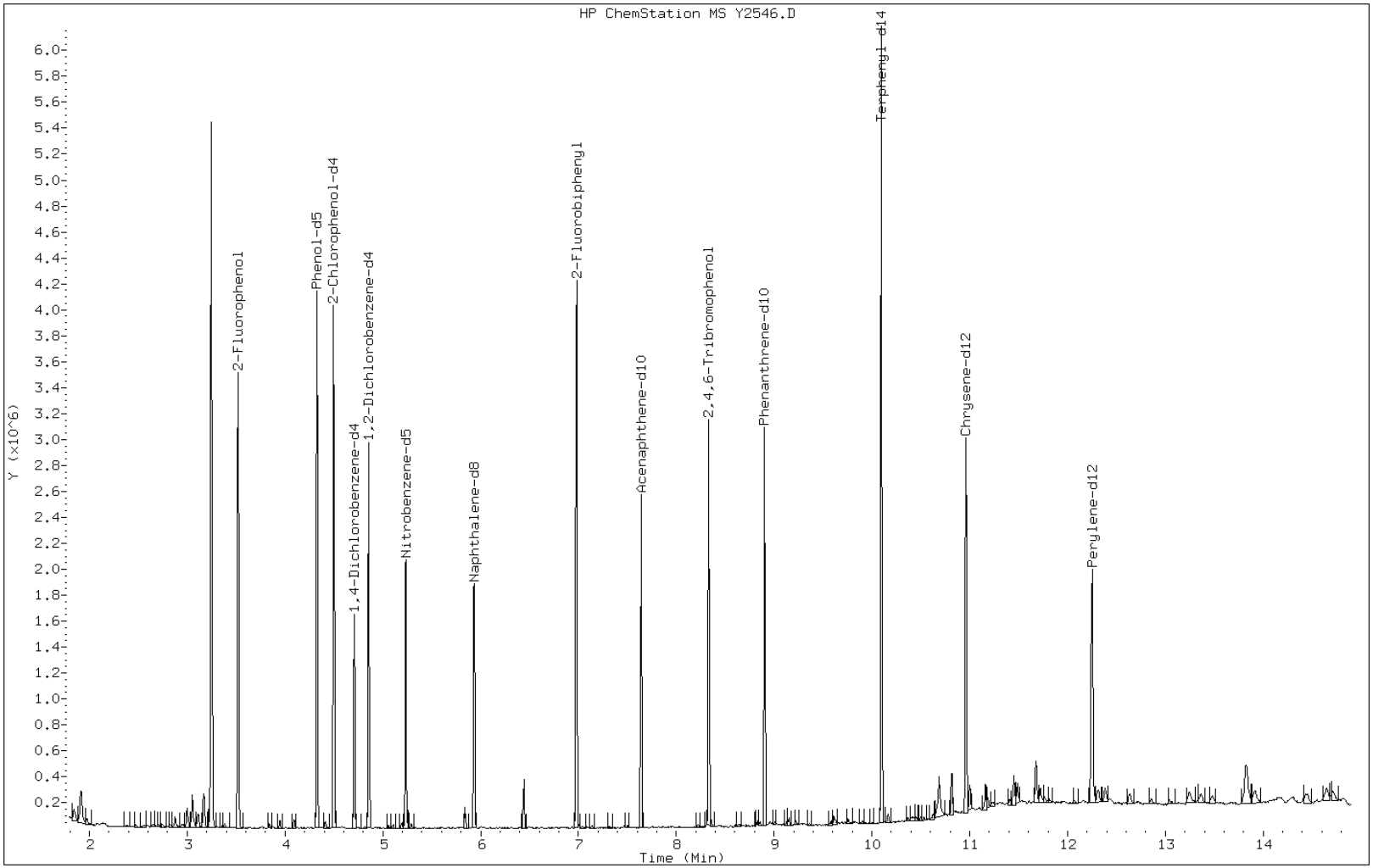
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: Y2546.D

Date: 30-AUG-2011 03:09

Client ID: NWO-178-0002 Instrument: Y.i

Sample Info: 280-19386-a-2-f Operator: TINKHAMS



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19386-1

SDG No.:

Client Sample ID: NWO-178-0003 | Lab Sample ID: 280-19386-3

Matrix: Solid | Lab File ID: Y2547.D

Analysis Method: 8270C/DoD | Date Collected: 08/19/2011 15:06

Extract. Method: 3550C | Date Extracted: 08/24/2011 09:40

Sample wt/vol: 33(g) | Date Analyzed: 08/30/2011 03:29

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

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

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

Analysis Batch No.: 83782 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-12-7	Anthracene	15.5	U	300	15.5
67-72-1	Hexachloroethane	19.4	U	300	19.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	82		45-105
367-12-4	2-Fluorophenol (Surr)	85		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	80		35-100
1718-51-0	Terphenyl-d14 (Surr)	92		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	96		35-125
4165-62-2	Phenol-d5 (Surr)	86		40-100

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\Y2547.D
Lab Smp Id: 280-19386-A-3-P Client Smp ID: NWO-178-0003
Inj Date : 30-AUG-2011 03:29
Operator : TINKHAMS Inst ID: Y.i
Smp Info : 280-19386-a-3-p
Misc Info : 280-19386-A-3-P
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\8270C.m
Meth Date : 29-Aug-2011 22:43 Y.i Quant Type: ISTD
Cal Date : 29-AUG-2011 20:20 Cal File: Y2526.D
Als bottle: 25
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: H.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	33.000	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 26 1,4-Dichlorobenzene-d4	152	4.706	4.708	(1.000)	201371	40.0000	
* 58 Naphthalene-d8	136	5.934	5.936	(1.000)	801346	40.0000	
* 96 Acenaphthene-d10	164	7.644	7.646	(1.000)	492449	40.0000	
* 135 Phenanthrene-d10	188	8.901	8.903	(1.000)	823981	40.0000	
* 166 Chrysene-d12	240	10.964	10.959	(1.000)	911945	40.0000	
* 179 Perylene-d12	264	12.250	12.258	(1.000)	817317	40.0000	
$ 8 2-Fluorophenol	112	3.519	3.508	(0.748)	868286	127.196	3854.44
$ 15 Phenol-d5	99	4.330	4.324	(0.920)	1123159	129.039	3910.28
$ 43 Nitrobenzene-d5	82	5.235	5.235	(0.882)	634571	80.3892	2436.04
$ 81 2-Fluorobiphenyl	172	6.980	6.980	(0.913)	1327510	81.5962	2472.61
$ 118 2,4,6-Tribromophenol	330	8.331	8.337	(1.090)	305787	143.399	4345.44
$ 154 Terphenyl-d14	244	10.100	10.124	(0.921)	1688353	92.0339	2788.90
$ 29 1,2-Dichlorobenzene-d4	152	4.859	4.853	(1.032)	415475	78.9755	2393.20
$ 22 2-Chlorophenol-d4	132	4.501	4.495	(0.956)	952461	126.960	3847.27
6 Pyridine	79	Compound Not Detected.					
5 N-Nitrosodimethylamine	74	Compound Not Detected.					
18 Aniline	93	Compound Not Detected.					
16 Phenol	94	Compound Not Detected.					
20 Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23 2-Chlorophenol	128	Compound Not Detected.					
25 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
28 Benzyl alcohol	108	4.818	4.818	(1.024)	2179	0.47472	14.3855(a)
30 1,2-Dichlorobenzene	146	Compound Not Detected.					
32 2-Methylphenol	108	Compound Not Detected.					
35 1H-Indene	116	Compound Not Detected.					
34 2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
138 3-Methylphenol	108	Compound Not Detected.					
36 4-Methylphenol	108	Compound Not Detected.					
139 3 & 4-Methylphenol	108	Compound Not Detected.					
37 N-nitrosodi-n-propylamine	70	Compound Not Detected.					
38 Acetophenone	105	Compound Not Detected.					
41 Hexachloroethane	117	Compound Not Detected.					
44 Nitrobenzene	77	Compound Not Detected.					
47 Isophorone	82	Compound Not Detected.					
49 2-Nitrophenol	139	Compound Not Detected.					
50 2,4-Dimethylphenol	107	Compound Not Detected.					
52 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53 Benzoic acid	122	Compound Not Detected.					
54 2,4-Dichlorophenol	162	Compound Not Detected.					
57 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
59 Naphthalene	128	Compound Not Detected.					
60 4-Chloroaniline	127	Compound Not Detected.					
62 Hexachlorobutadiene	225	Compound Not Detected.					
68 4-Chloro-3-methylphenol	107	Compound Not Detected.					
71 2-Methylnaphthalene	142	Compound Not Detected.					
72 1-Methylnaphthalene	142	Compound Not Detected.					
74 Hexachlorocyclopentadiene	237	Compound Not Detected.					
78 2,4,6-Trichlorophenol	196	Compound Not Detected.					
80 2,4,5-Trichlorophenol	196	Compound Not Detected.					
86 2-Chloronaphthalene	162	Compound Not Detected.					
88 2-Nitroaniline	65	Compound Not Detected.					
91 Dimethyl phthalate	163	Compound Not Detected.					
93 2,6-Dinitrotoluene	165	Compound Not Detected.					
94 Acenaphthylene	152	Compound Not Detected.					
95 3-Nitroaniline	138	Compound Not Detected.					
97 Acenaphthene	153	Compound Not Detected.					
98 2,4-Dinitrophenol	184	Compound Not Detected.					
99 4-Nitrophenol	109	Compound Not Detected.					
101 2,4-Dinitrotoluene	165	Compound Not Detected.					
102 Dibenzofuran	168	Compound Not Detected.					
107 Diethyl phthalate	149	Compound Not Detected.					
109 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
110 Fluorene	166	Compound Not Detected.					
112 4-Nitroaniline	138	Compound Not Detected.					
113 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115 N-nitrosodiphenylamine	169	Compound Not Detected.					
116 Azobenzene	77	Compound Not Detected.					
234 1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
124 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125 Hexachlorobenzene	284	Compound Not Detected.					
129 Pentachlorophenol	266	Compound Not Detected.					
136 Phenanthrene	178	Compound Not Detected.					
137 Anthracene	178	Compound Not Detected.					
140 Carbazole	167	Compound Not Detected.					
143 Di-n-butyl phthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
149 Fluoranthene	202	Compound Not Detected.					
151 Benzidine	184	Compound Not Detected.					
152 Pyrene	202	Compound Not Detected.					
159 Butyl benzyl phthalate	149	Compound Not Detected.					
164 3 3'-Dichlorobenzidine	252	Compound Not Detected.					
165 Benzo(a)anthracene	228	Compound Not Detected.					
167 Chrysene	228	Compound Not Detected.					
162 Bis(2-ethylhexyl) phthalate	149	10.817	10.881	(0.987)	124061	10.1289	306.935(H)
168 Di-n-octyl phthalate	149	Compound Not Detected.					
170 Hexachlorophene	196	Compound Not Detected.					
171 Benzo(b)fluoranthene	252	Compound Not Detected.					
172 Benzo(k)fluoranthene	252	Compound Not Detected.					
178 Benzo(a)pyrene	252	Compound Not Detected.					
186 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
185 Dibenz(a,h)anthracene	278	Compound Not Detected.					
188 Benzo(g,h,i)perylene	276	Compound Not Detected.					
19 Methyl Styrene	118	Compound Not Detected.					
141 Alachlor	188	Compound Not Detected.					
127 Atrazine	200	Compound Not Detected.					
67 Caprolactam	55	Compound Not Detected.					
79 2,3-Dichlorobenzeneamine	161	Compound Not Detected.					
21 Decane	43	Compound Not Detected.					
56 n-Dodecane	43	5.840	5.840	(0.764)	24659	3.48398	105.575(a)
83 Tetradecane	43	7.003	7.004	(0.916)	7065	1.00168	30.3538(a)
105 Hexadecane	57	Compound Not Detected.					
128 n-Octadecane	85	Compound Not Detected.					
144 n-Eicosane	43	Compound Not Detected.					
150 n-docosane	43	9.900	9.924	(1.295)	2823	0.40580	12.2969(aH)
4 1,4-Dioxane	88	Compound Not Detected.					
158 Famphur	218	Compound Not Detected.					

QC Flag Legend

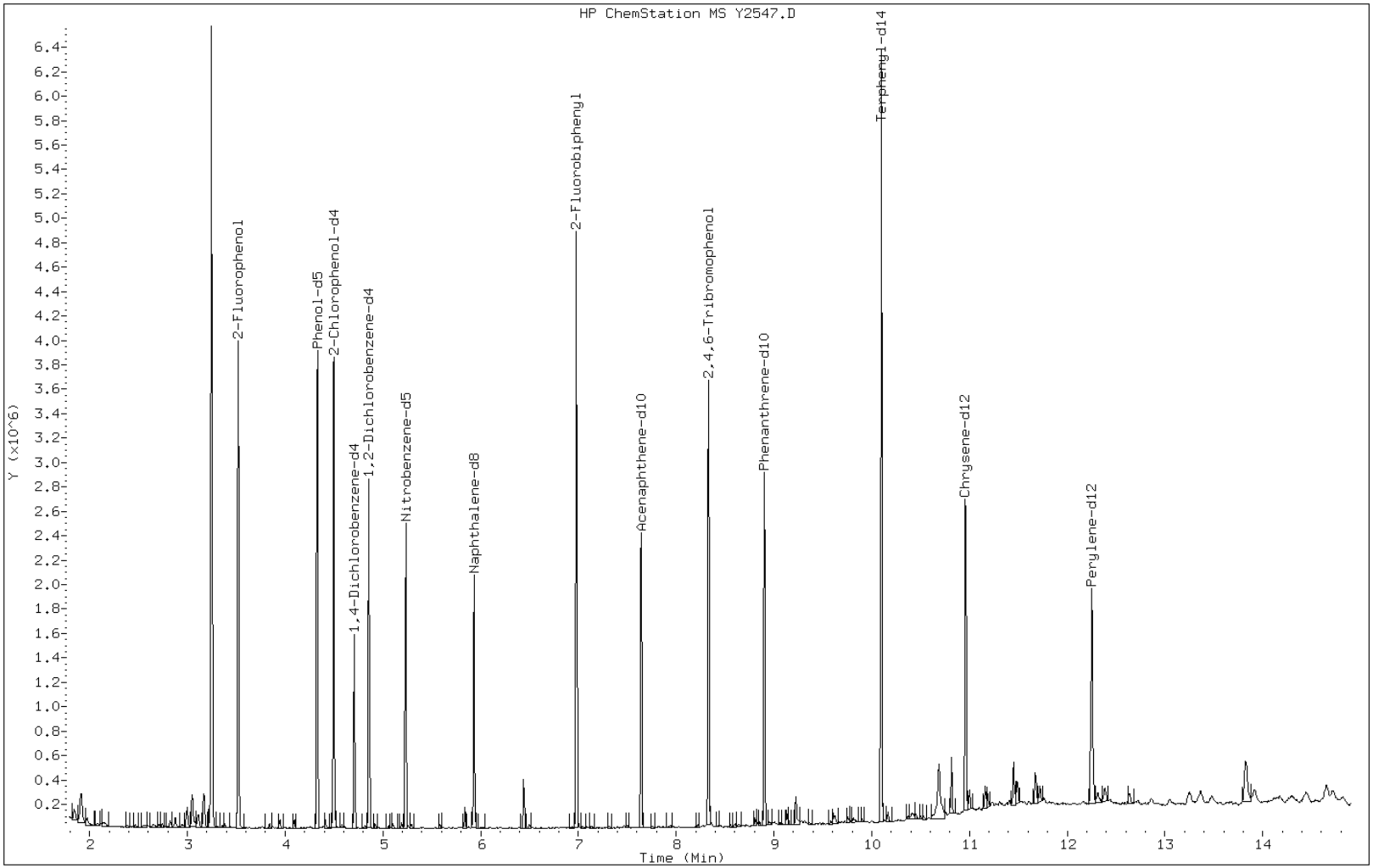
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: Y2547.D

Date: 30-AUG-2011 03:29

Client ID: NWO-178-0003 Instrument: Y.i

Sample Info: 280-19386-a-3-p Operator: TINKHAMS



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19386-1

SDG No.:

Client Sample ID: NWO-178-0004 | Lab Sample ID: 280-19386-4

Matrix: Solid | Lab File ID: Y2550.D

Analysis Method: 8270C/DoD | Date Collected: 08/20/2011 09:38

Extract. Method: 3550C | Date Extracted: 08/24/2011 09:40

Sample wt/vol: 30.8(g) | Date Analyzed: 08/30/2011 04:30

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

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

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

Analysis Batch No.: 83782 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-12-7	Anthracene	16.6	U	321	16.6
67-72-1	Hexachloroethane	20.7	U	321	20.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	75		45-105
367-12-4	2-Fluorophenol (Surr)	77		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	74		35-100
1718-51-0	Terphenyl-d14 (Surr)	94		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	99		35-125
4165-62-2	Phenol-d5 (Surr)	80		40-100

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\Y2550.D
Lab Smp Id: 280-19386-A-4-F Client Smp ID: NWO-178-0004
Inj Date : 30-AUG-2011 04:30
Operator : TINKHAMS Inst ID: Y.i
Smp Info : 280-19386-a-4-f
Misc Info : 280-19386-A-4-F
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\8270C.m
Meth Date : 29-Aug-2011 22:43 Y.i Quant Type: ISTD
Cal Date : 29-AUG-2011 20:20 Cal File: Y2526.D
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: H.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	30.800	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 26 1,4-Dichlorobenzene-d4	152	4.706	4.708	(1.000)	202553	40.0000	
* 58 Naphthalene-d8	136	5.934	5.936	(1.000)	804364	40.0000	
* 96 Acenaphthene-d10	164	7.644	7.646	(1.000)	499437	40.0000	
* 135 Phenanthrene-d10	188	8.901	8.903	(1.000)	852170	40.0000	
* 166 Chrysene-d12	240	10.952	10.959	(1.000)	924777	40.0000	
* 179 Perylene-d12	264	12.239	12.258	(1.000)	840997	40.0000	
$ 8 2-Fluorophenol	112	3.519	3.508	(0.748)	794382	115.691	3756.20
$ 15 Phenol-d5	99	4.324	4.324	(0.919)	1053521	120.332	3906.89
$ 43 Nitrobenzene-d5	82	5.235	5.235	(0.882)	586706	74.0466	2404.11
$ 81 2-Fluorobiphenyl	172	6.980	6.980	(0.913)	1237623	75.0068	2435.29
$ 118 2,4,6-Tribromophenol	330	8.331	8.337	(1.090)	321634	148.720	4828.59
$ 154 Terphenyl-d14	244	10.094	10.124	(0.922)	1755752	94.3798	3064.28
$ 29 1,2-Dichlorobenzene-d4	152	4.853	4.853	(1.031)	371153	70.1389	2277.24
$ 22 2-Chlorophenol-d4	132	4.495	4.495	(0.955)	870058	115.299	3743.48
6 Pyridine	79	Compound Not Detected.					
5 N-Nitrosodimethylamine	74	Compound Not Detected.					
18 Aniline	93	Compound Not Detected.					
16 Phenol	94	Compound Not Detected.					
20 Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23 2-Chlorophenol	128	Compound Not Detected.					
25 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
28 Benzyl alcohol	108	4.818	4.818	(1.024)	1741	0.37708	12.2430(a)
30 1,2-Dichlorobenzene	146	Compound Not Detected.					
32 2-Methylphenol	108	Compound Not Detected.					
35 1H-Indene	116	Compound Not Detected.					
34 2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
138 3-Methylphenol	108	Compound Not Detected.					
36 4-Methylphenol	108	Compound Not Detected.					
139 3 & 4-Methylphenol	108	Compound Not Detected.					
37 N-nitrosodi-n-propylamine	70	Compound Not Detected.					
38 Acetophenone	105	Compound Not Detected.					
41 Hexachloroethane	117	Compound Not Detected.					
44 Nitrobenzene	77	Compound Not Detected.					
47 Isophorone	82	Compound Not Detected.					
49 2-Nitrophenol	139	Compound Not Detected.					
50 2,4-Dimethylphenol	107	Compound Not Detected.					
52 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53 Benzoic acid	122	Compound Not Detected.					
54 2,4-Dichlorophenol	162	Compound Not Detected.					
57 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
59 Naphthalene	128	Compound Not Detected.					
60 4-Chloroaniline	127	Compound Not Detected.					
62 Hexachlorobutadiene	225	Compound Not Detected.					
68 4-Chloro-3-methylphenol	107	Compound Not Detected.					
71 2-Methylnaphthalene	142	Compound Not Detected.					
72 1-Methylnaphthalene	142	Compound Not Detected.					
74 Hexachlorocyclopentadiene	237	Compound Not Detected.					
78 2,4,6-Trichlorophenol	196	Compound Not Detected.					
80 2,4,5-Trichlorophenol	196	Compound Not Detected.					
86 2-Chloronaphthalene	162	Compound Not Detected.					
88 2-Nitroaniline	65	Compound Not Detected.					
91 Dimethyl phthalate	163	Compound Not Detected.					
93 2,6-Dinitrotoluene	165	Compound Not Detected.					
94 Acenaphthylene	152	Compound Not Detected.					
95 3-Nitroaniline	138	Compound Not Detected.					
97 Acenaphthene	153	Compound Not Detected.					
98 2,4-Dinitrophenol	184	Compound Not Detected.					
99 4-Nitrophenol	109	Compound Not Detected.					
101 2,4-Dinitrotoluene	165	Compound Not Detected.					
102 Dibenzofuran	168	Compound Not Detected.					
107 Diethyl phthalate	149	Compound Not Detected.					
109 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
110 Fluorene	166	Compound Not Detected.					
112 4-Nitroaniline	138	Compound Not Detected.					
113 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115 N-nitrosodiphenylamine	169	Compound Not Detected.					
116 Azobenzene	77	Compound Not Detected.					
234 1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
124 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125 Hexachlorobenzene	284	Compound Not Detected.					
129 Pentachlorophenol	266	Compound Not Detected.					
136 Phenanthrene	178	Compound Not Detected.					
137 Anthracene	178	Compound Not Detected.					
140 Carbazole	167	Compound Not Detected.					
143 Di-n-butyl phthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
149 Fluoranthene	202	Compound Not Detected.					
151 Benzidine	184	Compound Not Detected.					
152 Pyrene	202	Compound Not Detected.					
159 Butyl benzyl phthalate	149	Compound Not Detected.					
164 3 3'-Dichlorobenzidine	252	Compound Not Detected.					
165 Benzo(a)anthracene	228	Compound Not Detected.					
167 Chrysene	228	Compound Not Detected.					
162 Bis(2-ethylhexyl) phthalate	149	10.805	10.881	(0.987)	44521	5.11230	165.984(H)
168 Di-n-octyl phthalate	149	Compound Not Detected.					
170 Hexachlorophene	196	Compound Not Detected.					
171 Benzo(b)fluoranthene	252	Compound Not Detected.					
172 Benzo(k)fluoranthene	252	Compound Not Detected.					
178 Benzo(a)pyrene	252	Compound Not Detected.					
186 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
185 Dibenz(a,h)anthracene	278	Compound Not Detected.					
188 Benzo(g,h,i)perylene	276	Compound Not Detected.					
19 Methyl Styrene	118	Compound Not Detected.					
141 Alachlor	188	Compound Not Detected.					
127 Atrazine	200	Compound Not Detected.					
67 Caprolactam	55	Compound Not Detected.					
79 2,3-Dichlorobenzeneamine	161	Compound Not Detected.					
21 Decane	43	Compound Not Detected.					
56 n-Dodecane	43	5.840	5.840	(0.764)	10954	1.52600	49.5453(a)
83 Tetradecane	43	Compound Not Detected.					
105 Hexadecane	57	Compound Not Detected.					
128 n-Octadecane	85	Compound Not Detected.					
144 n-Eicosane	43	Compound Not Detected.					
150 n-docosane	43	9.900	9.924	(1.295)	3835	0.54356	17.6479(a)
4 1,4-Dioxane	88	Compound Not Detected.					
158 Famphur	218	Compound Not Detected.					

QC Flag Legend

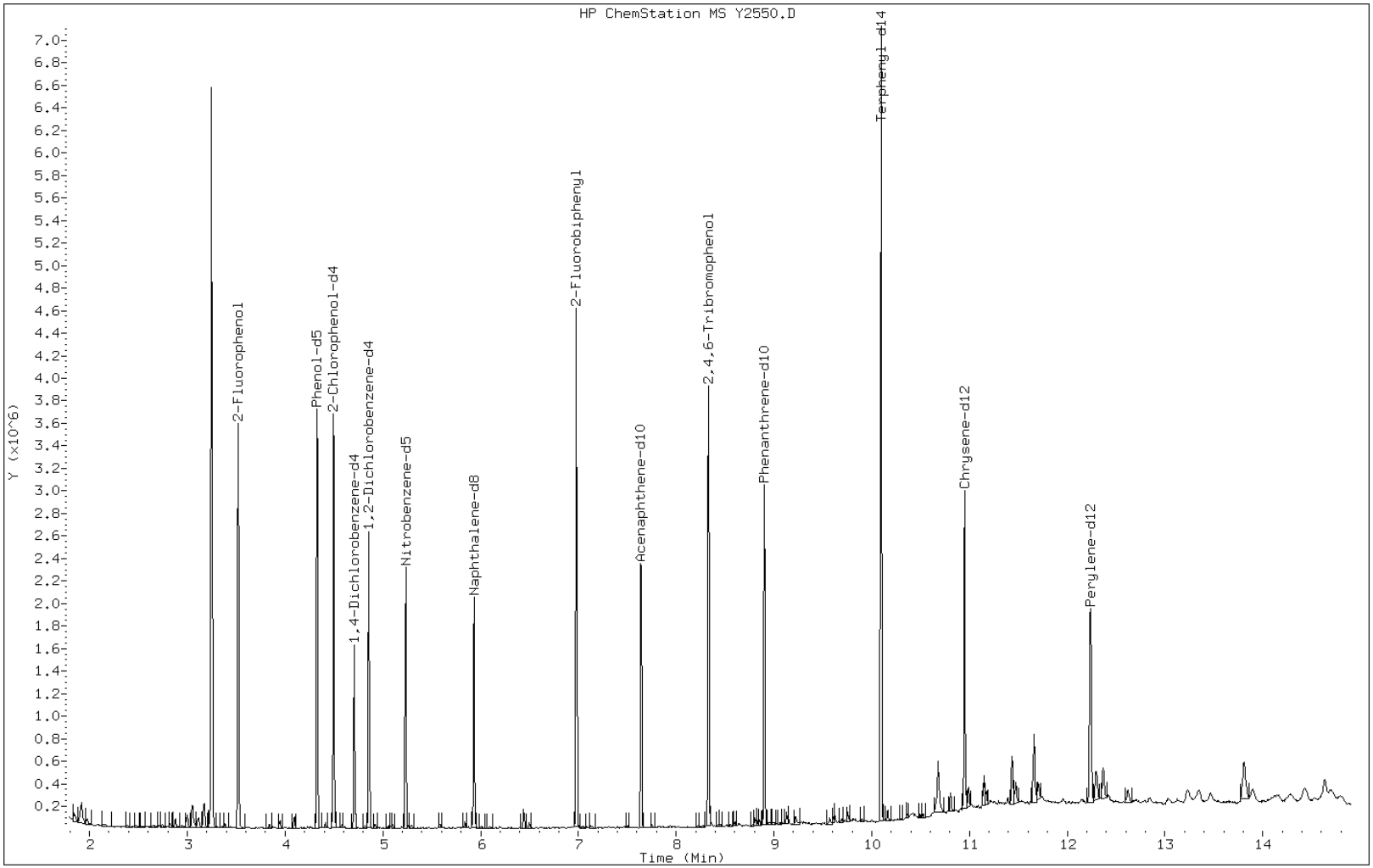
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: Y2550.D

Date: 30-AUG-2011 04:30

Client ID: NWO-178-0004 Instrument: Y.i

Sample Info: 280-19386-a-4-f Operator: TINKHAMS



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19386-1

SDG No.:

Client Sample ID: NWO-178-0005 | Lab Sample ID: 280-19386-5

Matrix: Solid | Lab File ID: Y2551.D

Analysis Method: 8270C/DoD | Date Collected: 08/19/2011 10:51

Extract. Method: 3550C | Date Extracted: 08/24/2011 09:40

Sample wt/vol: 30.1(g) | Date Analyzed: 08/30/2011 04:51

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

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

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

Analysis Batch No.: 83782 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-12-7	Anthracene	16.9	U	329	16.9
67-72-1	Hexachloroethane	21.2	U	329	21.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	80		45-105
367-12-4	2-Fluorophenol (Surr)	84		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	80		35-100
1718-51-0	Terphenyl-d14 (Surr)	95		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	99		35-125
4165-62-2	Phenol-d5 (Surr)	85		40-100

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\Y2551.D
Lab Smp Id: 280-19386-A-5-F Client Smp ID: NWO-178-0005
Inj Date : 30-AUG-2011 04:51
Operator : TINKHAMS Inst ID: Y.i
Smp Info : 280-19386-a-5-f
Misc Info : 280-19386-A-5-F
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\8270C.m
Meth Date : 29-Aug-2011 22:43 Y.i Quant Type: ISTD
Cal Date : 29-AUG-2011 20:20 Cal File: Y2526.D
Als bottle: 29
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: H.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	30.100	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 26 1,4-Dichlorobenzene-d4	152	4.707	4.708	(1.000)	208551	40.0000	
* 58 Naphthalene-d8	136	5.935	5.936	(1.000)	832499	40.0000	
* 96 Acenaphthene-d10	164	7.639	7.646	(1.000)	516637	40.0000	
* 135 Phenanthrene-d10	188	8.902	8.903	(1.000)	874909	40.0000	
* 166 Chrysene-d12	240	10.959	10.959	(1.000)	935513	40.0000	
* 179 Perylene-d12	264	12.245	12.258	(1.000)	844436	40.0000	
$ 8 2-Fluorophenol	112	3.520	3.508	(0.748)	888870	125.729	4177.04
$ 15 Phenol-d5	99	4.325	4.324	(0.919)	1147439	127.290	4228.91
$ 43 Nitrobenzene-d5	82	5.236	5.235	(0.882)	651962	79.5016	2641.25
$ 81 2-Fluorobiphenyl	172	6.981	6.980	(0.914)	1359812	79.6685	2646.79
$ 118 2,4,6-Tribromophenol	330	8.332	8.337	(1.091)	330832	147.881	4912.98
$ 154 Terphenyl-d14	244	10.095	10.124	(0.921)	1780922	94.6342	3143.99
$ 29 1,2-Dichlorobenzene-d4	152	4.854	4.853	(1.031)	414538	76.0846	2527.73
$ 22 2-Chlorophenol-d4	132	4.496	4.495	(0.955)	957610	123.252	4094.74
6 Pyridine	79	Compound Not Detected.					
5 N-Nitrosodimethylamine	74	Compound Not Detected.					
18 Aniline	93	Compound Not Detected.					
16 Phenol	94	Compound Not Detected.					
20 Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23 2-Chlorophenol	128	Compound Not Detected.					
25 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
28 Benzyl alcohol	108	4.819	4.818	(1.024)	1658	0.34878	11.5873(aQ)
30 1,2-Dichlorobenzene	146	Compound Not Detected.					
32 2-Methylphenol	108	Compound Not Detected.					
35 1H-Indene	116	Compound Not Detected.					
34 2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
138 3-Methylphenol	108	Compound Not Detected.					
36 4-Methylphenol	108	Compound Not Detected.					
139 3 & 4-Methylphenol	108	Compound Not Detected.					
37 N-nitrosodi-n-propylamine	70	Compound Not Detected.					
38 Acetophenone	105	Compound Not Detected.					
41 Hexachloroethane	117	Compound Not Detected.					
44 Nitrobenzene	77	Compound Not Detected.					
47 Isophorone	82	Compound Not Detected.					
49 2-Nitrophenol	139	Compound Not Detected.					
50 2,4-Dimethylphenol	107	Compound Not Detected.					
52 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53 Benzoic acid	122	Compound Not Detected.					
54 2,4-Dichlorophenol	162	Compound Not Detected.					
57 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
59 Naphthalene	128	Compound Not Detected.					
60 4-Chloroaniline	127	Compound Not Detected.					
62 Hexachlorobutadiene	225	Compound Not Detected.					
68 4-Chloro-3-methylphenol	107	Compound Not Detected.					
71 2-Methylnaphthalene	142	Compound Not Detected.					
72 1-Methylnaphthalene	142	Compound Not Detected.					
74 Hexachlorocyclopentadiene	237	Compound Not Detected.					
78 2,4,6-Trichlorophenol	196	Compound Not Detected.					
80 2,4,5-Trichlorophenol	196	Compound Not Detected.					
86 2-Chloronaphthalene	162	Compound Not Detected.					
88 2-Nitroaniline	65	Compound Not Detected.					
91 Dimethyl phthalate	163	Compound Not Detected.					
93 2,6-Dinitrotoluene	165	Compound Not Detected.					
94 Acenaphthylene	152	Compound Not Detected.					
95 3-Nitroaniline	138	Compound Not Detected.					
97 Acenaphthene	153	Compound Not Detected.					
98 2,4-Dinitrophenol	184	Compound Not Detected.					
99 4-Nitrophenol	109	Compound Not Detected.					
101 2,4-Dinitrotoluene	165	Compound Not Detected.					
102 Dibenzofuran	168	Compound Not Detected.					
107 Diethyl phthalate	149	Compound Not Detected.					
109 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
110 Fluorene	166	Compound Not Detected.					
112 4-Nitroaniline	138	Compound Not Detected.					
113 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115 N-nitrosodiphenylamine	169	Compound Not Detected.					
116 Azobenzene	77	Compound Not Detected.					
234 1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
124 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125 Hexachlorobenzene	284	Compound Not Detected.					
129 Pentachlorophenol	266	Compound Not Detected.					
136 Phenanthrene	178	Compound Not Detected.					
137 Anthracene	178	Compound Not Detected.					
140 Carbazole	167	Compound Not Detected.					
143 Di-n-butyl phthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
149 Fluoranthene	202	Compound Not Detected.					
151 Benzidine	184	Compound Not Detected.					
152 Pyrene	202	Compound Not Detected.					
159 Butyl benzyl phthalate	149	Compound Not Detected.					
164 3 3'-Dichlorobenzidine	252	Compound Not Detected.					
165 Benzo(a)anthracene	228	Compound Not Detected.					
167 Chrysene	228	Compound Not Detected.					
162 Bis(2-ethylhexyl) phthalate	149	10.812	10.881	(0.987)	78968	7.18228	238.614
168 Di-n-octyl phthalate	149	Compound Not Detected.					
170 Hexachlorophene	196	Compound Not Detected.					
171 Benzo(b)fluoranthene	252	Compound Not Detected.					
172 Benzo(k)fluoranthene	252	Compound Not Detected.					
178 Benzo(a)pyrene	252	Compound Not Detected.					
186 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
185 Dibenz(a,h)anthracene	278	Compound Not Detected.					
188 Benzo(g,h,i)perylene	276	Compound Not Detected.					
19 Methyl Styrene	118	Compound Not Detected.					
141 Alachlor	188	Compound Not Detected.					
127 Atrazine	200	Compound Not Detected.					
67 Caprolactam	55	Compound Not Detected.					
79 2,3-Dichlorobenzeneamine	161	Compound Not Detected.					
21 Decane	43	Compound Not Detected.					
56 n-Dodecane	43	5.841	5.840	(0.765)	22482	3.02769	100.588(a)
83 Tetradecane	43	Compound Not Detected.					
105 Hexadecane	57	Compound Not Detected.					
128 n-Octadecane	85	Compound Not Detected.					
144 n-Eicosane	43	Compound Not Detected.					
150 n-docosane	43	9.901	9.924	(1.296)	2966	0.40639	13.5014(a)
4 1,4-Dioxane	88	Compound Not Detected.					
158 Famphur	218	Compound Not Detected.					

QC Flag Legend

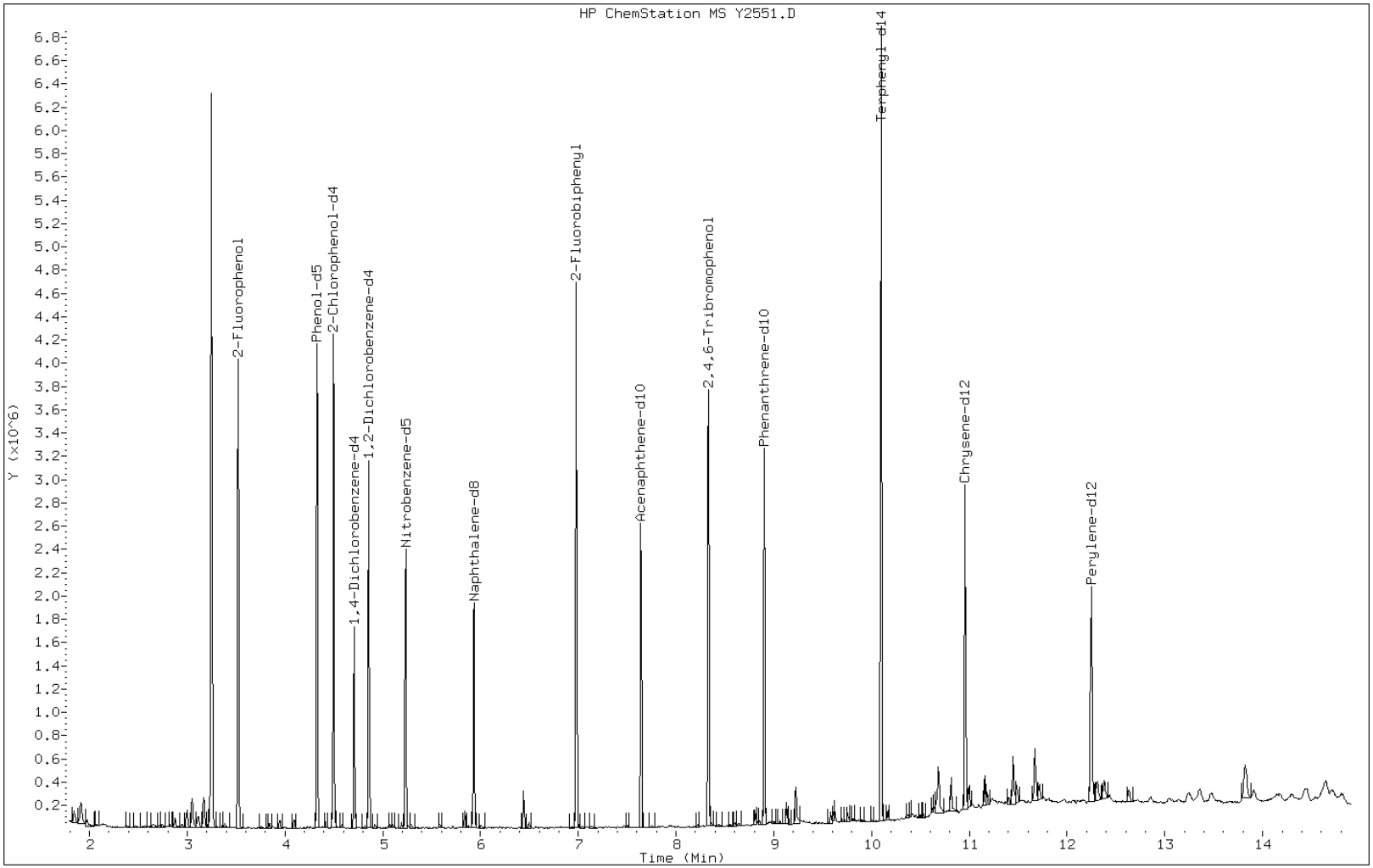
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: Y2551.D

Date: 30-AUG-2011 04:51

Client ID: NWO-178-0005 Instrument: Y.i

Sample Info: 280-19386-a-5-f Operator: TINKHAMS



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19386-1

SDG No.:

Client Sample ID: NWO-178-0006 | Lab Sample ID: 280-19386-6

Matrix: Solid | Lab File ID: Y2552.D

Analysis Method: 8270C/DoD | Date Collected: 08/18/2011 17:35

Extract. Method: 3550C | Date Extracted: 08/24/2011 09:40

Sample wt/vol: 31.0(g) | Date Analyzed: 08/30/2011 05:11

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

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

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

Analysis Batch No.: 83782 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-12-7	Anthracene	16.5	U	319	16.5
67-72-1	Hexachloroethane	20.6	U	319	20.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	78		45-105
367-12-4	2-Fluorophenol (Surr)	78		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	75		35-100
1718-51-0	Terphenyl-d14 (Surr)	86		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	95		35-125
4165-62-2	Phenol-d5 (Surr)	82		40-100

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\Y2552.D
Lab Smp Id: 280-19386-A-6-F Client Smp ID: NWO-178-0006
Inj Date : 30-AUG-2011 05:11
Operator : TINKHAMS Inst ID: Y.i
Smp Info : 280-19386-a-6-f
Misc Info : 280-19386-A-6-F
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\8270C.m
Meth Date : 29-Aug-2011 22:43 Y.i Quant Type: ISTD
Cal Date : 29-AUG-2011 20:20 Cal File: Y2526.D
Als bottle: 30
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: H.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	31.000	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 26 1,4-Dichlorobenzene-d4	152	4.705	4.708	(1.000)	201302	40.0000	
* 58 Naphthalene-d8	136	5.933	5.936	(1.000)	808375	40.0000	
* 96 Acenaphthene-d10	164	7.643	7.646	(1.000)	489351	40.0000	
* 135 Phenanthrene-d10	188	8.900	8.903	(1.000)	838327	40.0000	
* 166 Chrysene-d12	240	10.962	10.959	(1.000)	917090	40.0000	
* 179 Perylene-d12	264	12.255	12.258	(1.000)	839009	40.0000	
$ 8 2-Fluorophenol	112	3.518	3.508	(0.748)	798711	117.044	3775.62
$ 15 Phenol-d5	99	4.329	4.324	(0.920)	1066319	122.551	3953.25
$ 43 Nitrobenzene-d5	82	5.234	5.235	(0.882)	597423	75.0251	2420.16
$ 81 2-Fluorobiphenyl	172	6.979	6.980	(0.913)	1259416	77.9008	2512.93
$ 118 2,4,6-Tribromophenol	330	8.330	8.337	(1.090)	300371	141.751	4572.62
$ 154 Terphenyl-d14	244	10.099	10.124	(0.921)	1589413	86.1545	2779.18
$ 29 1,2-Dichlorobenzene-d4	152	4.858	4.853	(1.032)	373166	70.9575	2288.95
$ 22 2-Chlorophenol-d4	132	4.499	4.495	(0.956)	881035	117.479	3789.66
6 Pyridine	79	Compound Not Detected.					
5 N-Nitrosodimethylamine	74	Compound Not Detected.					
18 Aniline	93	Compound Not Detected.					
16 Phenol	94	Compound Not Detected.					
20 Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23 2-Chlorophenol	128	Compound Not Detected.					
25 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
28 Benzyl alcohol	108	4.816	4.818	(1.024)	1460	0.31819	10.2641(a)
30 1,2-Dichlorobenzene	146	Compound Not Detected.					
32 2-Methylphenol	108	Compound Not Detected.					
35 1H-Indene	116	Compound Not Detected.					
34 2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
138 3-Methylphenol	108	Compound Not Detected.					
36 4-Methylphenol	108	Compound Not Detected.					
139 3 & 4-Methylphenol	108	Compound Not Detected.					
37 N-nitrosodi-n-propylamine	70	Compound Not Detected.					
38 Acetophenone	105	Compound Not Detected.					
41 Hexachloroethane	117	Compound Not Detected.					
44 Nitrobenzene	77	Compound Not Detected.					
47 Isophorone	82	Compound Not Detected.					
49 2-Nitrophenol	139	Compound Not Detected.					
50 2,4-Dimethylphenol	107	Compound Not Detected.					
52 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53 Benzoic acid	122	Compound Not Detected.					
54 2,4-Dichlorophenol	162	Compound Not Detected.					
57 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
59 Naphthalene	128	Compound Not Detected.					
60 4-Chloroaniline	127	Compound Not Detected.					
62 Hexachlorobutadiene	225	Compound Not Detected.					
68 4-Chloro-3-methylphenol	107	Compound Not Detected.					
71 2-Methylnaphthalene	142	Compound Not Detected.					
72 1-Methylnaphthalene	142	Compound Not Detected.					
74 Hexachlorocyclopentadiene	237	Compound Not Detected.					
78 2,4,6-Trichlorophenol	196	Compound Not Detected.					
80 2,4,5-Trichlorophenol	196	Compound Not Detected.					
86 2-Chloronaphthalene	162	Compound Not Detected.					
88 2-Nitroaniline	65	Compound Not Detected.					
91 Dimethyl phthalate	163	Compound Not Detected.					
93 2,6-Dinitrotoluene	165	Compound Not Detected.					
94 Acenaphthylene	152	Compound Not Detected.					
95 3-Nitroaniline	138	Compound Not Detected.					
97 Acenaphthene	153	Compound Not Detected.					
98 2,4-Dinitrophenol	184	Compound Not Detected.					
99 4-Nitrophenol	109	Compound Not Detected.					
101 2,4-Dinitrotoluene	165	Compound Not Detected.					
102 Dibenzofuran	168	Compound Not Detected.					
107 Diethyl phthalate	149	Compound Not Detected.					
109 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
110 Fluorene	166	Compound Not Detected.					
112 4-Nitroaniline	138	Compound Not Detected.					
113 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115 N-nitrosodiphenylamine	169	Compound Not Detected.					
116 Azobenzene	77	Compound Not Detected.					
234 1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
124 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125 Hexachlorobenzene	284	Compound Not Detected.					
129 Pentachlorophenol	266	Compound Not Detected.					
136 Phenanthrene	178	Compound Not Detected.					
137 Anthracene	178	Compound Not Detected.					
140 Carbazole	167	Compound Not Detected.					
143 Di-n-butyl phthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
149 Fluoranthene	202	Compound Not Detected.					
151 Benzidine	184	Compound Not Detected.					
152 Pyrene	202	Compound Not Detected.					
159 Butyl benzyl phthalate	149	Compound Not Detected.					
164 3 3'-Dichlorobenzidine	252	Compound Not Detected.					
165 Benzo(a)anthracene	228	Compound Not Detected.					
167 Chrysene	228	Compound Not Detected.					
162 Bis(2-ethylhexyl) phthalate	149	10.815	10.881	(0.987)	83219	7.54361	243.342
168 Di-n-octyl phthalate	149	Compound Not Detected.					
170 Hexachlorophene	196	Compound Not Detected.					
171 Benzo(b)fluoranthene	252	Compound Not Detected.					
172 Benzo(k)fluoranthene	252	Compound Not Detected.					
178 Benzo(a)pyrene	252	Compound Not Detected.					
186 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
185 Dibenz(a,h)anthracene	278	Compound Not Detected.					
188 Benzo(g,h,i)perylene	276	Compound Not Detected.					
19 Methyl Styrene	118	Compound Not Detected.					
141 Alachlor	188	Compound Not Detected.					
127 Atrazine	200	Compound Not Detected.					
67 Caprolactam	55	Compound Not Detected.					
79 2,3-Dichlorobenzeneamine	161	Compound Not Detected.					
21 Decane	43	Compound Not Detected.					
56 n-Dodecane	43	5.839	5.840	(0.764)	34818	4.95045	159.692(a)
83 Tetradecane	43	7.002	7.004	(0.916)	8151	1.16296	37.5150(a)
105 Hexadecane	57	Compound Not Detected.					
128 n-Octadecane	85	Compound Not Detected.					
144 n-Eicosane	43	Compound Not Detected.					
150 n-docosane	43	Compound Not Detected.					
4 1,4-Dioxane	88	Compound Not Detected.					
158 Famphur	218	Compound Not Detected.					

QC Flag Legend

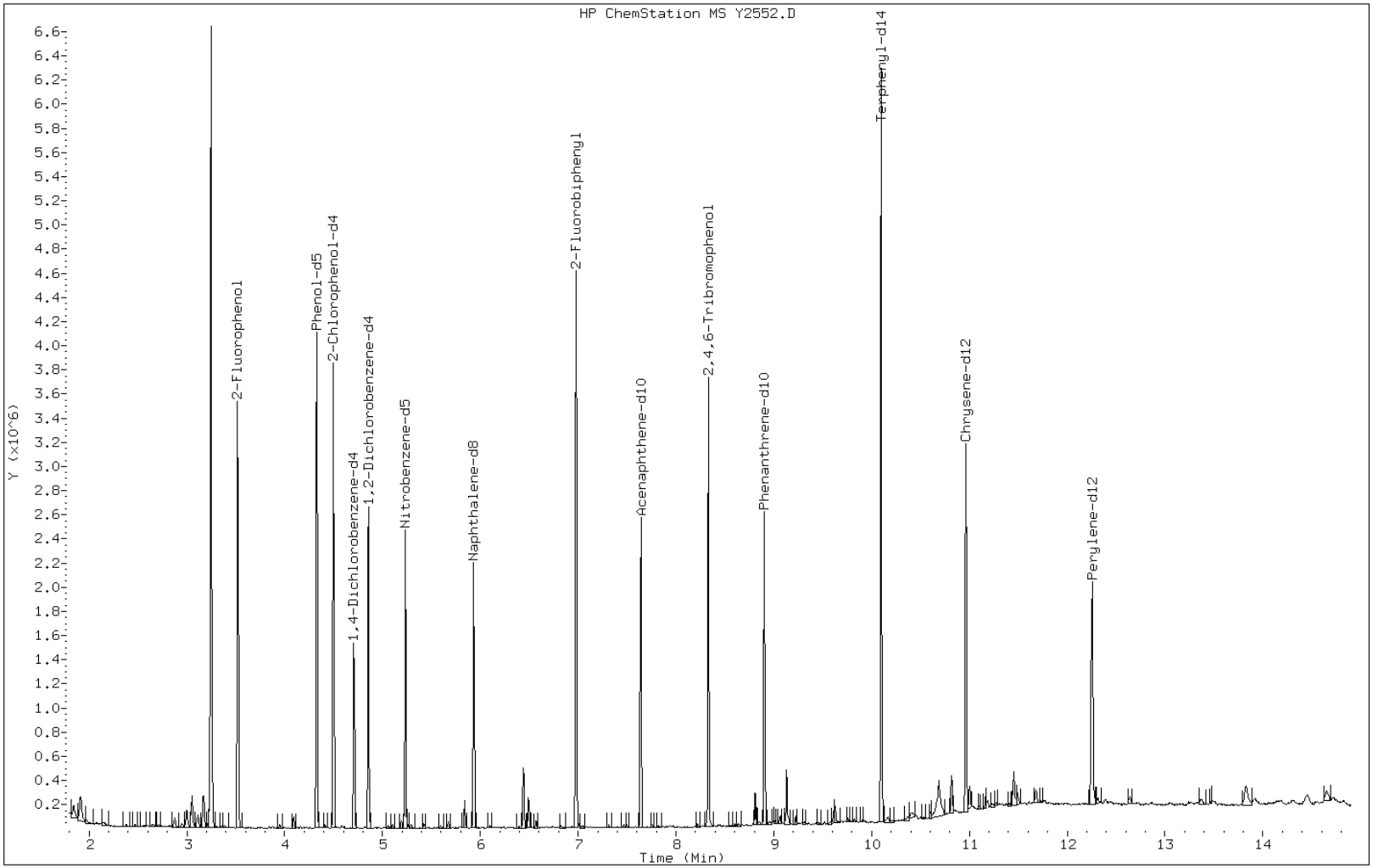
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: Y2552.D

Date: 30-AUG-2011 05:11

Client ID: NWO-178-0006 Instrument: Y.i

Sample Info: 280-19386-a-6-f Operator: TINKHAMS



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19386-1

SDG No.:

Client Sample ID: NWO-178-0009 | Lab Sample ID: 280-19386-7

Matrix: Solid | Lab File ID: Y2553.D

Analysis Method: 8270C/DoD | Date Collected: 08/18/2011 16:49

Extract. Method: 3550C | Date Extracted: 08/24/2011 09:40

Sample wt/vol: 30.4(g) | Date Analyzed: 08/30/2011 05:31

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

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

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

Analysis Batch No.: 83782 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-12-7	Anthracene	16.8	U	326	16.8
67-72-1	Hexachloroethane	21.0	U	326	21.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	77		45-105
367-12-4	2-Fluorophenol (Surr)	78		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	75		35-100
1718-51-0	Terphenyl-d14 (Surr)	85		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	91		35-125
4165-62-2	Phenol-d5 (Surr)	82		40-100

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\Y2553.D
Lab Smp Id: 280-19386-A-7-F Client Smp ID: NWO-178-0009
Inj Date : 30-AUG-2011 05:31
Operator : TINKHAMS Inst ID: Y.i
Smp Info : 280-19386-a-7-f
Misc Info : 280-19386-A-7-F
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\8270C.m
Meth Date : 29-Aug-2011 22:43 Y.i Quant Type: ISTD
Cal Date : 29-AUG-2011 20:20 Cal File: Y2526.D
Als bottle: 31
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: H.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	30.400	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 26 1,4-Dichlorobenzene-d4	152	4.708	4.708	(1.000)	195085	40.0000	
* 58 Naphthalene-d8	136	5.930	5.936	(1.000)	781434	40.0000	
* 96 Acenaphthene-d10	164	7.640	7.646	(1.000)	478722	40.0000	
* 135 Phenanthrene-d10	188	8.903	8.903	(1.000)	819781	40.0000	
* 166 Chrysene-d12	240	10.971	10.959	(1.000)	895314	40.0000	
* 179 Perylene-d12	264	12.264	12.258	(1.000)	824200	40.0000	
$ 8 2-Fluorophenol	112	3.521	3.508	(0.748)	776016	117.343	3859.96
$ 15 Phenol-d5	99	4.326	4.324	(0.919)	1033132	122.521	4030.28
$ 43 Nitrobenzene-d5	82	5.231	5.235	(0.882)	577810	75.0637	2469.20
$ 81 2-Fluorobiphenyl	172	6.982	6.980	(0.914)	1224478	77.4214	2546.76
$ 118 2,4,6-Tribromophenol	330	8.333	8.337	(1.091)	282681	136.365	4485.69
$ 154 Terphenyl-d14	244	10.102	10.124	(0.921)	1534242	85.1866	2802.19
$ 29 1,2-Dichlorobenzene-d4	152	4.855	4.853	(1.031)	365148	71.6456	2356.76
$ 22 2-Chlorophenol-d4	132	4.497	4.495	(0.955)	852147	117.249	3856.86
6 Pyridine	79	Compound Not Detected.					
5 N-Nitrosodimethylamine	74	Compound Not Detected.					
18 Aniline	93	Compound Not Detected.					
16 Phenol	94	Compound Not Detected.					
20 Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23 2-Chlorophenol	128	Compound Not Detected.					
25 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
28 Benzyl alcohol	108	4.820	4.818	(1.024)	1437	0.32316	10.6301(a)
30 1,2-Dichlorobenzene	146	Compound Not Detected.					
32 2-Methylphenol	108	Compound Not Detected.					
35 1H-Indene	116	Compound Not Detected.					
34 2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
138 3-Methylphenol	108	Compound Not Detected.					
36 4-Methylphenol	108	Compound Not Detected.					
139 3 & 4-Methylphenol	108	Compound Not Detected.					
37 N-nitrosodi-n-propylamine	70	Compound Not Detected.					
38 Acetophenone	105	Compound Not Detected.					
41 Hexachloroethane	117	Compound Not Detected.					
44 Nitrobenzene	77	Compound Not Detected.					
47 Isophorone	82	Compound Not Detected.					
49 2-Nitrophenol	139	Compound Not Detected.					
50 2,4-Dimethylphenol	107	Compound Not Detected.					
52 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53 Benzoic acid	122	Compound Not Detected.					
54 2,4-Dichlorophenol	162	Compound Not Detected.					
57 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
59 Naphthalene	128	Compound Not Detected.					
60 4-Chloroaniline	127	Compound Not Detected.					
62 Hexachlorobutadiene	225	Compound Not Detected.					
68 4-Chloro-3-methylphenol	107	Compound Not Detected.					
71 2-Methylnaphthalene	142	Compound Not Detected.					
72 1-Methylnaphthalene	142	Compound Not Detected.					
74 Hexachlorocyclopentadiene	237	Compound Not Detected.					
78 2,4,6-Trichlorophenol	196	Compound Not Detected.					
80 2,4,5-Trichlorophenol	196	Compound Not Detected.					
86 2-Chloronaphthalene	162	Compound Not Detected.					
88 2-Nitroaniline	65	Compound Not Detected.					
91 Dimethyl phthalate	163	Compound Not Detected.					
93 2,6-Dinitrotoluene	165	Compound Not Detected.					
94 Acenaphthylene	152	Compound Not Detected.					
95 3-Nitroaniline	138	Compound Not Detected.					
97 Acenaphthene	153	Compound Not Detected.					
98 2,4-Dinitrophenol	184	Compound Not Detected.					
99 4-Nitrophenol	109	Compound Not Detected.					
101 2,4-Dinitrotoluene	165	Compound Not Detected.					
102 Dibenzofuran	168	Compound Not Detected.					
107 Diethyl phthalate	149	Compound Not Detected.					
109 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
110 Fluorene	166	Compound Not Detected.					
112 4-Nitroaniline	138	Compound Not Detected.					
113 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115 N-nitrosodiphenylamine	169	Compound Not Detected.					
116 Azobenzene	77	Compound Not Detected.					
234 1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
124 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125 Hexachlorobenzene	284	Compound Not Detected.					
129 Pentachlorophenol	266	Compound Not Detected.					
136 Phenanthrene	178	Compound Not Detected.					
137 Anthracene	178	Compound Not Detected.					
140 Carbazole	167	Compound Not Detected.					
143 Di-n-butyl phthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
149 Fluoranthene	202	Compound Not Detected.					
151 Benzidine	184	Compound Not Detected.					
152 Pyrene	202	Compound Not Detected.					
159 Butyl benzyl phthalate	149	Compound Not Detected.					
164 3 3'-Dichlorobenzidine	252	Compound Not Detected.					
165 Benzo(a)anthracene	228	Compound Not Detected.					
167 Chrysene	228	Compound Not Detected.					
162 Bis(2-ethylhexyl) phthalate	149	10.825	10.881	(0.987)	114045	9.63461	316.928
168 Di-n-octyl phthalate	149	Compound Not Detected.					
170 Hexachlorophene	196	Compound Not Detected.					
171 Benzo(b)fluoranthene	252	Compound Not Detected.					
172 Benzo(k)fluoranthene	252	Compound Not Detected.					
178 Benzo(a)pyrene	252	Compound Not Detected.					
186 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
185 Dibenz(a,h)anthracene	278	Compound Not Detected.					
188 Benzo(g,h,i)perylene	276	Compound Not Detected.					
19 Methyl Styrene	118	Compound Not Detected.					
141 Alachlor	188	Compound Not Detected.					
127 Atrazine	200	Compound Not Detected.					
67 Caprolactam	55	Compound Not Detected.					
79 2,3-Dichlorobenzeneamine	161	Compound Not Detected.					
21 Decane	43	Compound Not Detected.					
56 n-Dodecane	43	5.842	5.840	(0.765)	13510	1.96351	64.5892(a)
83 Tetradecane	43	Compound Not Detected.					
105 Hexadecane	57	Compound Not Detected.					
128 n-Octadecane	85	Compound Not Detected.					
144 n-Eicosane	43	Compound Not Detected.					
150 n-docosane	43	9.926	9.924	(1.299)	4903	0.72500	23.8487(aQ)
4 1,4-Dioxane	88	Compound Not Detected.					
158 Famphur	218	Compound Not Detected.					

QC Flag Legend

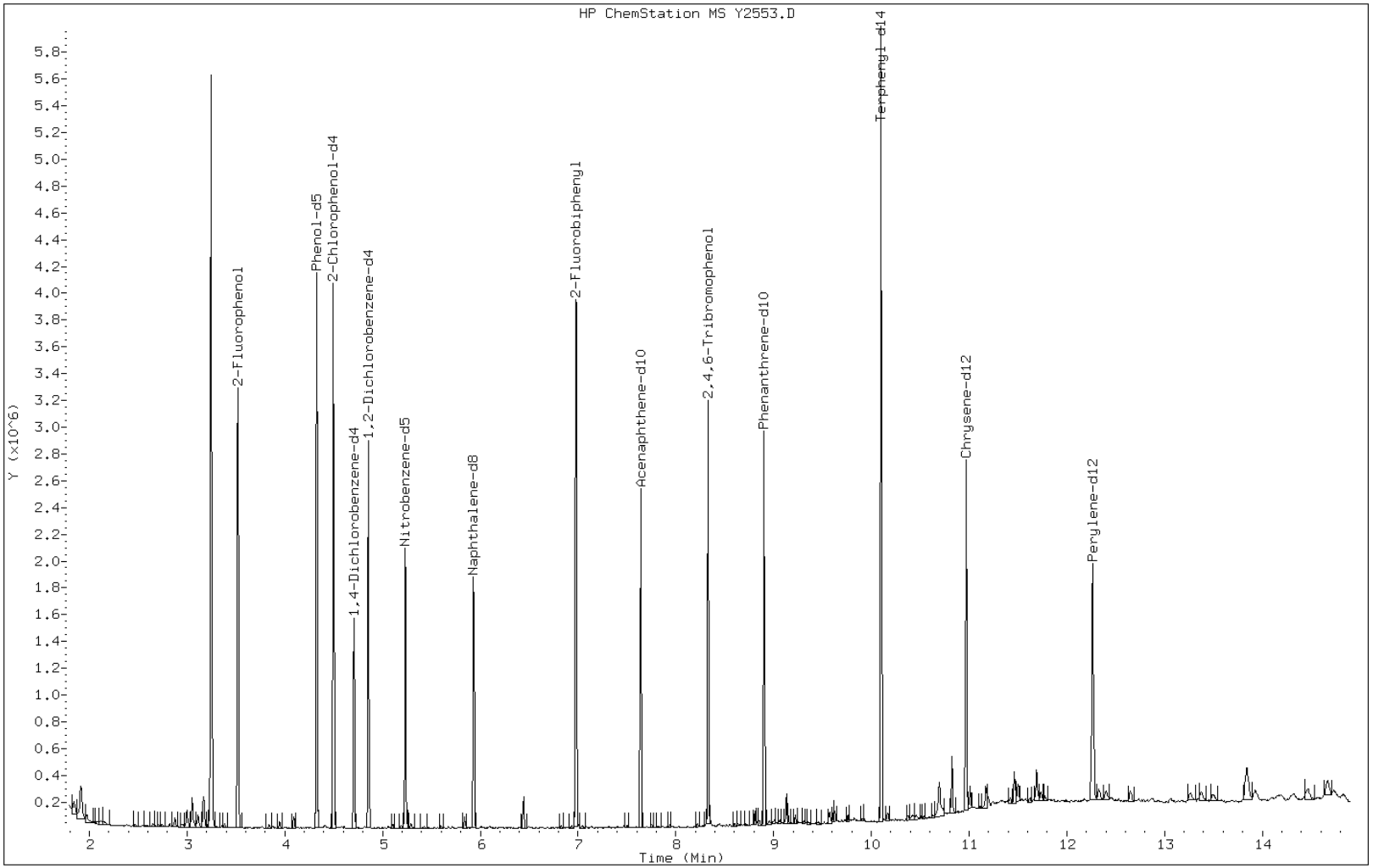
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: Y2553.D

Date: 30-AUG-2011 05:31

Client ID: NWO-178-0009 Instrument: Y.i

Sample Info: 280-19386-a-7-f Operator: TINKHAMS



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19386-1

SDG No.:

Client Sample ID: NWO-178-0010 | Lab Sample ID: 280-19386-8

Matrix: Solid | Lab File ID: Y2554.D

Analysis Method: 8270C/DoD | Date Collected: 08/19/2011 09:21

Extract. Method: 3550C | Date Extracted: 08/24/2011 09:40

Sample wt/vol: 30.9(g) | Date Analyzed: 08/30/2011 05:51

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

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

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

Analysis Batch No.: 83782 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-12-7	Anthracene	16.5	U	320	16.5
67-72-1	Hexachloroethane	20.7	U	320	20.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	75		45-105
367-12-4	2-Fluorophenol (Surr)	76		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	70		35-100
1718-51-0	Terphenyl-d14 (Surr)	85		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	91		35-125
4165-62-2	Phenol-d5 (Surr)	81		40-100

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\Y2554.D
Lab Smp Id: 280-19386-A-8-F Client Smp ID: NWO-178-0010
Inj Date : 30-AUG-2011 05:51
Operator : TINKHAMS Inst ID: Y.i
Smp Info : 280-19386-a-8-f
Misc Info : 280-19386-A-8-F
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\8270C.m
Meth Date : 29-Aug-2011 22:43 Y.i Quant Type: ISTD
Cal Date : 29-AUG-2011 20:20 Cal File: Y2526.D
Als bottle: 32
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: H.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	30.900	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 26 1,4-Dichlorobenzene-d4	152	4.709	4.708	(1.000)	199764	40.0000	
* 58 Naphthalene-d8	136	5.931	5.936	(1.000)	809990	40.0000	
* 96 Acenaphthene-d10	164	7.641	7.646	(1.000)	495373	40.0000	
* 135 Phenanthrene-d10	188	8.904	8.903	(1.000)	839312	40.0000	
* 166 Chrysene-d12	240	10.967	10.959	(1.000)	911819	40.0000	
* 179 Perylene-d12	264	12.265	12.258	(1.000)	838524	40.0000	
$ 8 2-Fluorophenol	112	3.517	3.508	(0.747)	768258	113.449	3671.47
$ 15 Phenol-d5	99	4.327	4.324	(0.919)	1049567	121.554	3933.79
$ 43 Nitrobenzene-d5	82	5.232	5.235	(0.882)	557274	69.8436	2260.31
$ 81 2-Fluorobiphenyl	172	6.977	6.980	(0.913)	1226547	74.9454	2425.42
$ 118 2,4,6-Tribromophenol	330	8.334	8.337	(1.091)	291815	136.039	4402.57
$ 154 Terphenyl-d14	244	10.103	10.124	(0.921)	1551834	84.6038	2737.98
$ 29 1,2-Dichlorobenzene-d4	152	4.856	4.853	(1.031)	352093	67.4660	2183.36
$ 22 2-Chlorophenol-d4	132	4.498	4.495	(0.955)	844045	113.414	3670.34
6 Pyridine	79	Compound Not Detected.					
5 N-Nitrosodimethylamine	74	Compound Not Detected.					
18 Aniline	93	Compound Not Detected.					
16 Phenol	94	Compound Not Detected.					
20 Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23 2-Chlorophenol	128	Compound Not Detected.					
25 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
28 Benzyl alcohol	108	4.815	4.818	(1.022)	1722	0.37818	12.2387(a)
30 1,2-Dichlorobenzene	146	Compound Not Detected.					
32 2-Methylphenol	108	Compound Not Detected.					
35 1H-Indene	116	Compound Not Detected.					
34 2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
138 3-Methylphenol	108	Compound Not Detected.					
36 4-Methylphenol	108	Compound Not Detected.					
139 3 & 4-Methylphenol	108	Compound Not Detected.					
37 N-nitrosodi-n-propylamine	70	Compound Not Detected.					
38 Acetophenone	105	Compound Not Detected.					
41 Hexachloroethane	117	Compound Not Detected.					
44 Nitrobenzene	77	Compound Not Detected.					
47 Isophorone	82	Compound Not Detected.					
49 2-Nitrophenol	139	Compound Not Detected.					
50 2,4-Dimethylphenol	107	Compound Not Detected.					
52 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53 Benzoic acid	122	Compound Not Detected.					
54 2,4-Dichlorophenol	162	Compound Not Detected.					
57 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
59 Naphthalene	128	Compound Not Detected.					
60 4-Chloroaniline	127	Compound Not Detected.					
62 Hexachlorobutadiene	225	Compound Not Detected.					
68 4-Chloro-3-methylphenol	107	Compound Not Detected.					
71 2-Methylnaphthalene	142	Compound Not Detected.					
72 1-Methylnaphthalene	142	Compound Not Detected.					
74 Hexachlorocyclopentadiene	237	Compound Not Detected.					
78 2,4,6-Trichlorophenol	196	Compound Not Detected.					
80 2,4,5-Trichlorophenol	196	Compound Not Detected.					
86 2-Chloronaphthalene	162	Compound Not Detected.					
88 2-Nitroaniline	65	Compound Not Detected.					
91 Dimethyl phthalate	163	Compound Not Detected.					
93 2,6-Dinitrotoluene	165	Compound Not Detected.					
94 Acenaphthylene	152	Compound Not Detected.					
95 3-Nitroaniline	138	Compound Not Detected.					
97 Acenaphthene	153	Compound Not Detected.					
98 2,4-Dinitrophenol	184	Compound Not Detected.					
99 4-Nitrophenol	109	Compound Not Detected.					
101 2,4-Dinitrotoluene	165	Compound Not Detected.					
102 Dibenzofuran	168	Compound Not Detected.					
107 Diethyl phthalate	149	Compound Not Detected.					
109 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
110 Fluorene	166	Compound Not Detected.					
112 4-Nitroaniline	138	Compound Not Detected.					
113 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115 N-nitrosodiphenylamine	169	Compound Not Detected.					
116 Azobenzene	77	Compound Not Detected.					
234 1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
124 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125 Hexachlorobenzene	284	Compound Not Detected.					
129 Pentachlorophenol	266	Compound Not Detected.					
136 Phenanthrene	178	Compound Not Detected.					
137 Anthracene	178	Compound Not Detected.					
140 Carbazole	167	Compound Not Detected.					
143 Di-n-butyl phthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
149 Fluoranthene	202	Compound Not Detected.					
151 Benzidine	184	Compound Not Detected.					
152 Pyrene	202	Compound Not Detected.					
159 Butyl benzyl phthalate	149	Compound Not Detected.					
164 3 3'-Dichlorobenzidine	252	Compound Not Detected.					
165 Benzo(a)anthracene	228	Compound Not Detected.					
167 Chrysene	228	Compound Not Detected.					
162 Bis(2-ethylhexyl) phthalate	149	10.826	10.881	(0.987)	69421	6.70990	217.149(H)
168 Di-n-octyl phthalate	149	Compound Not Detected.					
170 Hexachlorophene	196	Compound Not Detected.					
171 Benzo(b)fluoranthene	252	Compound Not Detected.					
172 Benzo(k)fluoranthene	252	Compound Not Detected.					
178 Benzo(a)pyrene	252	Compound Not Detected.					
186 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
185 Dibenz(a,h)anthracene	278	Compound Not Detected.					
188 Benzo(g,h,i)perylene	276	Compound Not Detected.					
19 Methyl Styrene	118	Compound Not Detected.					
141 Alachlor	188	Compound Not Detected.					
127 Atrazine	200	Compound Not Detected.					
67 Caprolactam	55	Compound Not Detected.					
79 2,3-Dichlorobenzeneamine	161	Compound Not Detected.					
21 Decane	43	Compound Not Detected.					
56 n-Dodecane	43	5.837	5.840	(0.764)	17462	2.45258	79.3715(a)
83 Tetradecane	43	Compound Not Detected.					
105 Hexadecane	57	Compound Not Detected.					
128 n-Octadecane	85	Compound Not Detected.					
144 n-Eicosane	43	Compound Not Detected.					
150 n-docosane	43	9.903	9.924	(1.296)	5257	0.75122	24.3112(a)
4 1,4-Dioxane	88	Compound Not Detected.					
158 Famphur	218	Compound Not Detected.					

QC Flag Legend

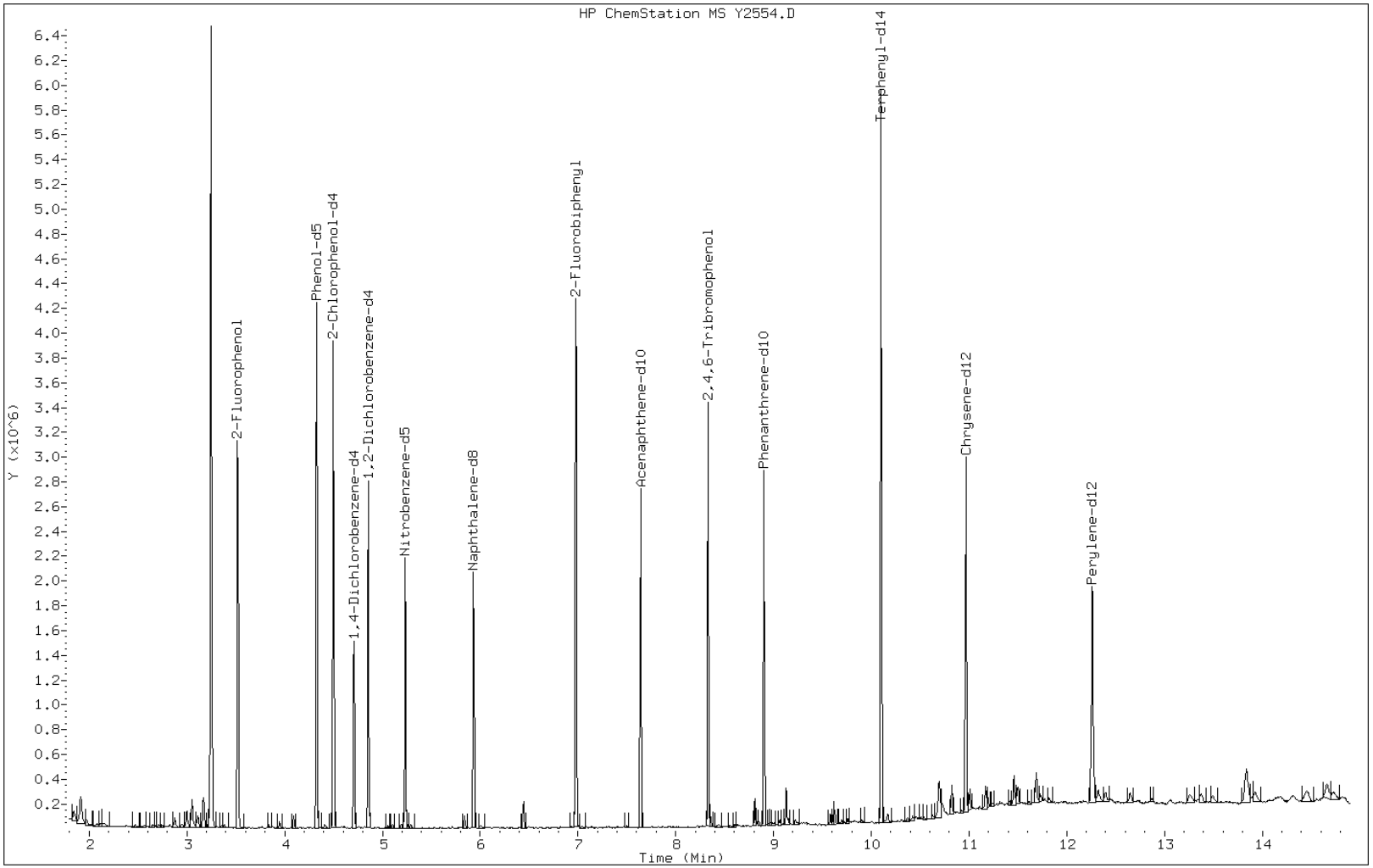
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: Y2554.D

Date: 30-AUG-2011 05:51

Client ID: NWO-178-0010 Instrument: Y.i

Sample Info: 280-19386-a-8-f Operator: TINKHAMS



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19386-1

SDG No.:

Client Sample ID: NWO-178-5001 | Lab Sample ID: 280-19386-9

Matrix: Solid | Lab File ID: Y2555.D

Analysis Method: 8270C/DoD | Date Collected: 08/17/2011 17:40

Extract. Method: 3550C | Date Extracted: 08/24/2011 09:40

Sample wt/vol: 30.9(g) | Date Analyzed: 08/30/2011 06:12

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

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

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

Analysis Batch No.: 83782 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-12-7	Anthracene	16.5	U	320	16.5
67-72-1	Hexachloroethane	20.7	U	320	20.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	76		45-105
367-12-4	2-Fluorophenol (Surr)	78		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	76		35-100
1718-51-0	Terphenyl-d14 (Surr)	89		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	92		35-125
4165-62-2	Phenol-d5 (Surr)	80		40-100

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\Y2555.D
Lab Smp Id: 280-19386-A-9-F Client Smp ID: NWO-178-5001
Inj Date : 30-AUG-2011 06:12
Operator : TINKHAMS Inst ID: Y.i
Smp Info : 280-19386-a-9-f
Misc Info : 280-19386-A-9-F
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\8270C.m
Meth Date : 29-Aug-2011 22:43 Y.i Quant Type: ISTD
Cal Date : 29-AUG-2011 20:20 Cal File: Y2526.D
Als bottle: 33
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: H.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	30.900	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 26 1,4-Dichlorobenzene-d4	152	4.710	4.708	(1.000)	203653	40.0000	
* 58 Naphthalene-d8	136	5.932	5.936	(1.000)	798518	40.0000	
* 96 Acenaphthene-d10	164	7.641	7.646	(1.000)	489610	40.0000	
* 135 Phenanthrene-d10	188	8.905	8.903	(1.000)	836559	40.0000	
* 166 Chrysene-d12	240	10.955	10.959	(1.000)	904063	40.0000	
* 179 Perylene-d12	264	12.242	12.258	(1.000)	816817	40.0000	
$ 8 2-Fluorophenol	112	3.523	3.508	(0.748)	809951	117.321	3796.81
$ 15 Phenol-d5	99	4.328	4.324	(0.919)	1058312	120.226	3890.82
$ 43 Nitrobenzene-d5	82	5.232	5.235	(0.882)	600796	76.3800	2471.84
$ 81 2-Fluorobiphenyl	172	6.977	6.980	(0.913)	1234185	76.2998	2469.25
$ 118 2,4,6-Tribromophenol	330	8.335	8.337	(1.091)	292436	137.934	4463.87
$ 154 Terphenyl-d14	244	10.097	10.124	(0.922)	1615829	88.8484	2875.35
$ 29 1,2-Dichlorobenzene-d4	152	4.856	4.853	(1.031)	384890	72.3420	2341.16
$ 22 2-Chlorophenol-d4	132	4.498	4.495	(0.955)	884832	116.624	3774.23
6 Pyridine	79	Compound Not Detected.					
5 N-Nitrosodimethylamine	74	Compound Not Detected.					
18 Aniline	93	Compound Not Detected.					
16 Phenol	94	Compound Not Detected.					
20 Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23 2-Chlorophenol	128	Compound Not Detected.					
25 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
28 Benzyl alcohol	108	4.821	4.818	(1.024)	1379	0.29707	9.61376(a)
30 1,2-Dichlorobenzene	146	Compound Not Detected.					
32 2-Methylphenol	108	Compound Not Detected.					
35 1H-Indene	116	Compound Not Detected.					
34 2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
138 3-Methylphenol	108	Compound Not Detected.					
36 4-Methylphenol	108	Compound Not Detected.					
139 3 & 4-Methylphenol	108	Compound Not Detected.					
37 N-nitrosodi-n-propylamine	70	Compound Not Detected.					
38 Acetophenone	105	Compound Not Detected.					
41 Hexachloroethane	117	Compound Not Detected.					
44 Nitrobenzene	77	Compound Not Detected.					
47 Isophorone	82	Compound Not Detected.					
49 2-Nitrophenol	139	Compound Not Detected.					
50 2,4-Dimethylphenol	107	Compound Not Detected.					
52 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53 Benzoic acid	122	Compound Not Detected.					
54 2,4-Dichlorophenol	162	Compound Not Detected.					
57 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
59 Naphthalene	128	Compound Not Detected.					
60 4-Chloroaniline	127	Compound Not Detected.					
62 Hexachlorobutadiene	225	Compound Not Detected.					
68 4-Chloro-3-methylphenol	107	Compound Not Detected.					
71 2-Methylnaphthalene	142	Compound Not Detected.					
72 1-Methylnaphthalene	142	Compound Not Detected.					
74 Hexachlorocyclopentadiene	237	Compound Not Detected.					
78 2,4,6-Trichlorophenol	196	Compound Not Detected.					
80 2,4,5-Trichlorophenol	196	Compound Not Detected.					
86 2-Chloronaphthalene	162	Compound Not Detected.					
88 2-Nitroaniline	65	Compound Not Detected.					
91 Dimethyl phthalate	163	Compound Not Detected.					
93 2,6-Dinitrotoluene	165	Compound Not Detected.					
94 Acenaphthylene	152	Compound Not Detected.					
95 3-Nitroaniline	138	Compound Not Detected.					
97 Acenaphthene	153	Compound Not Detected.					
98 2,4-Dinitrophenol	184	Compound Not Detected.					
99 4-Nitrophenol	109	Compound Not Detected.					
101 2,4-Dinitrotoluene	165	Compound Not Detected.					
102 Dibenzofuran	168	Compound Not Detected.					
107 Diethyl phthalate	149	Compound Not Detected.					
109 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
110 Fluorene	166	Compound Not Detected.					
112 4-Nitroaniline	138	Compound Not Detected.					
113 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115 N-nitrosodiphenylamine	169	Compound Not Detected.					
116 Azobenzene	77	Compound Not Detected.					
234 1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
124 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125 Hexachlorobenzene	284	Compound Not Detected.					
129 Pentachlorophenol	266	Compound Not Detected.					
136 Phenanthrene	178	Compound Not Detected.					
137 Anthracene	178	Compound Not Detected.					
140 Carbazole	167	Compound Not Detected.					
143 Di-n-butyl phthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
149 Fluoranthene	202	Compound Not Detected.					
151 Benzidine	184	Compound Not Detected.					
152 Pyrene	202	Compound Not Detected.					
159 Butyl benzyl phthalate	149	Compound Not Detected.					
164 3 3'-Dichlorobenzidine	252	Compound Not Detected.					
165 Benzo(a)anthracene	228	Compound Not Detected.					
167 Chrysene	228	Compound Not Detected.					
162 Bis(2-ethylhexyl) phthalate	149	10.808	10.881	(0.987)	159536	12.4361	402.462(H)
168 Di-n-octyl phthalate	149	Compound Not Detected.					
170 Hexachlorophene	196	Compound Not Detected.					
171 Benzo(b)fluoranthene	252	Compound Not Detected.					
172 Benzo(k)fluoranthene	252	Compound Not Detected.					
178 Benzo(a)pyrene	252	Compound Not Detected.					
186 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
185 Dibenz(a,h)anthracene	278	Compound Not Detected.					
188 Benzo(g,h,i)perylene	276	Compound Not Detected.					
19 Methyl Styrene	118	Compound Not Detected.					
141 Alachlor	188	Compound Not Detected.					
127 Atrazine	200	Compound Not Detected.					
67 Caprolactam	55	Compound Not Detected.					
79 2,3-Dichlorobenzeneamine	161	Compound Not Detected.					
21 Decane	43	Compound Not Detected.					
56 n-Dodecane	43	5.838	5.840	(0.764)	11949	1.69802	54.9521(a)
83 Tetradecane	43	Compound Not Detected.					
105 Hexadecane	57	Compound Not Detected.					
128 n-Octadecane	85	Compound Not Detected.					
144 n-Eicosane	43	Compound Not Detected.					
150 n-docosane	43	9.898	9.924	(1.295)	7139	1.03216	33.4032(aQ)
4 1,4-Dioxane	88	Compound Not Detected.					
158 Famphur	218	Compound Not Detected.					

QC Flag Legend

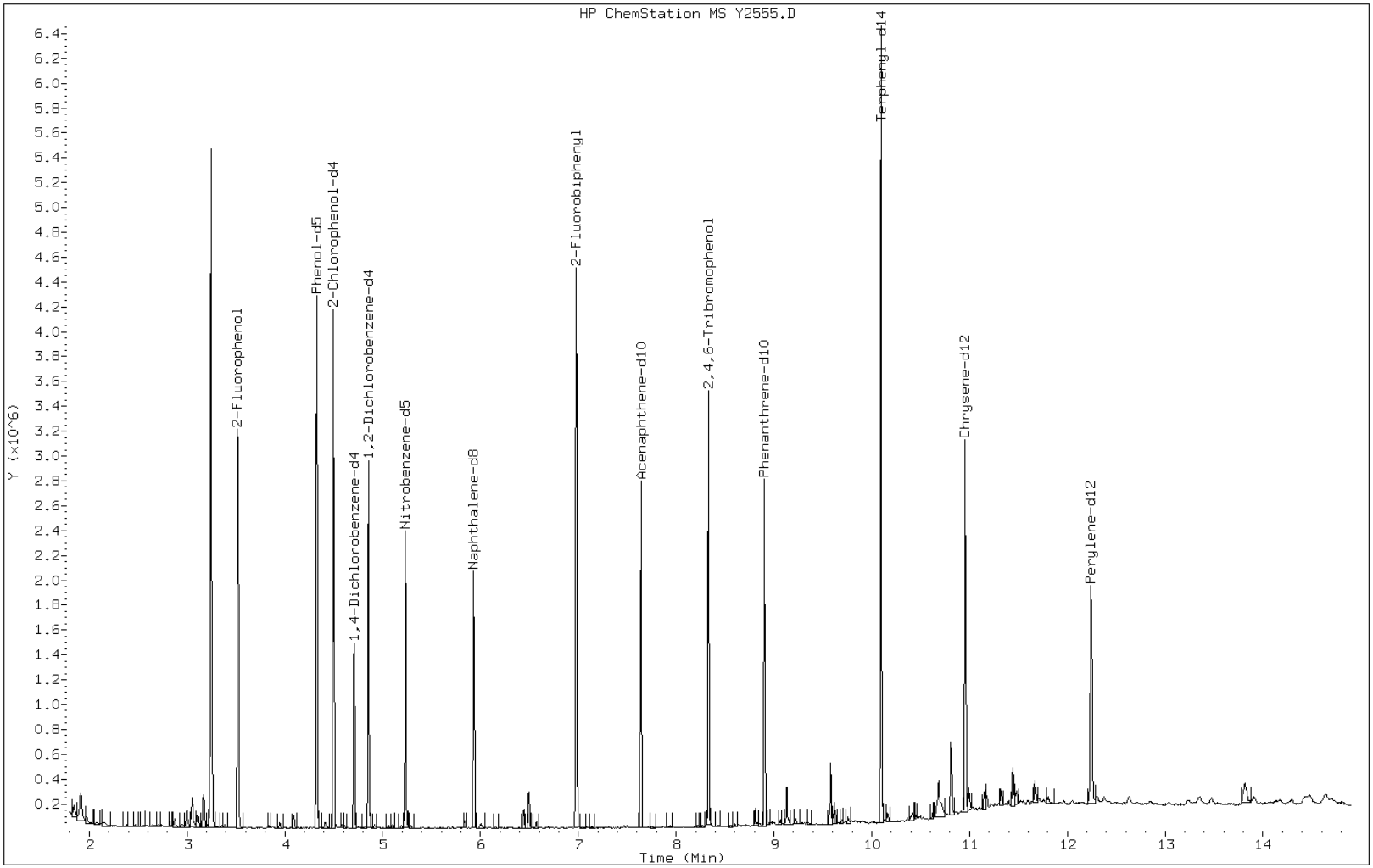
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: Y2555.D

Date: 30-AUG-2011 06:12

Client ID: NWO-178-5001 Instrument: Y.i

Sample Info: 280-19386-a-9-f Operator: TINKHAMS



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

Lab Name: TestAmerica Denver Job No.: 280-19386-1 Analy Batch No.: 81442

SDG No.:

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

Calibration Start Date: 08/15/2011 10:06 Calibration End Date: 08/15/2011 12:30 Calibration ID: 6838

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-81442/9	Y2260.D
Level 2	IC 280-81442/8	Y2259.D
Level 3	IC 280-81442/7	Y2258.D
Level 4	IC 280-81442/6	Y2257.D
Level 5	ICIS 280-81442/5	Y2256.D
Level 6	IC 280-81442/4	Y2255.D
Level 7	IC 280-81442/3	Y2254.D
Level 8	IC 280-81442/2	Y2253.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.6645 0.5568	0.6151 0.5494	0.6016 0.5585	0.5750	0.5779	Ave		0.5873				6.6		15.0			
N-Nitrosodimethylamine	+++++ 0.8643	0.8772 0.8505	0.8484 0.8706	0.8883	0.8788	Ave		0.8683				1.7		15.0			
Pyridine	+++++ 1.5467	1.5553 1.5051	1.5426 1.5450	1.5681	1.5721	Ave		1.5479				1.4		15.0			
Phenol	+++++ 1.7343	1.7369 1.7149	1.7838 1.7364	1.8081	1.7649	Ave		1.7542				1.9		15.0			
Aniline	+++++ 2.1447	2.1540 2.1095	2.1585 2.1718	2.1963	2.1882	Ave		2.1604				1.3		15.0			
Bis(2-chloroethyl)ether	+++++ 1.2847	1.3886 1.3247	1.3207 1.2496	1.4009	1.3028	Ave		1.3246				4.1		15.0			
2-Chlorophenol	+++++ 1.4648	1.4999 1.4677	1.4981 1.4595	1.5253	1.4867	Ave		1.4860				1.6		15.0			
1,3-Dichlorobenzene	1.7206 1.6442	1.6827 1.6556	1.6920 1.6430	1.6983	1.6800	Ave		1.6770				1.6		15.0			
1,4-Dichlorobenzene	1.7283 1.6639	1.7237 1.6752	1.7052 1.6554	1.7375	1.6955	Ave		1.6981				1.8		15.0			
Benzyl alcohol	+++++ 0.9173	0.8397 0.9318	0.8874 0.9364	0.9386	0.9312	Ave		0.9118				4.0		15.0			
1,2-Dichlorobenzene	1.5749 1.5747	1.5837 1.5612	1.6172 1.5758	1.6198	1.6205	Ave		1.5910				1.5		15.0			
2-Methylphenol	+++++ 1.3296	1.2412 1.3199	1.3194 1.3311	1.3488	1.3358	Ave		1.3180				2.7		15.0			
2,2'-oxybis[1-chloropropane]	+++++ 1.7972	1.8645 1.7988	1.8403 1.8095	1.8613	1.8262	Ave		1.8282				1.5		15.0			
3 & 4 Methylphenol	+++++ 1.4051	1.3383 1.3892	1.3672 1.3978	1.4110	1.4119	Ave		1.3886				1.9		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-19386-1 Analy Batch No.: 81442

SDG No.:

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

Calibration Start Date: 08/15/2011 10:06 Calibration End Date: 08/15/2011 12:30 Calibration ID: 6838

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Methylphenol	+++++ 1.4051	1.3383 1.3892	1.3672 1.3978	1.4110	1.4119	Ave		1.3886				1.9		15.0			
N-Nitrosodi-n-propylamine	+++++ 1.0675	1.0185 1.0492	1.0637 1.0611	1.0725	1.0818	Ave		1.0592			0.0500	1.9		15.0			
Acetophenone	+++++ 1.9480	1.9808 1.9169	1.9637 1.9155	2.0122	1.9762	Ave		1.9590				1.8		15.0			
Hexachloroethane	0.5731 0.6384	0.6418 0.6321	0.6297 0.6300	0.6584	0.6461	Ave		0.6312				4.0		15.0			
Nitrobenzene	+++++ 0.3922	0.3787 0.3851	0.3814 0.3877	0.3938	0.4039	Ave		0.3890				2.2		15.0			
Isophorone	+++++ 0.6825	0.6222 0.6709	0.6551 0.6612	0.6794	0.6856	Ave		0.6653				3.3		15.0			
2,4-Dimethylphenol	+++++ 0.3661	0.3475 0.3616	0.3653 0.3561	0.3724	0.3757	Ave		0.3635				2.6		15.0			
2-Nitrophenol	+++++ 0.2042	0.1678 0.2030	0.1836 0.2023	0.1975	0.2043	Ave		0.1947				7.2		15.0			
Benzoic acid	+++++ 0.2097	+++++ 0.1912	0.1184 0.2001	0.1767	0.1978	Lin2	0.2215	0.2150							0.9974		0.9900
Bis(2-chloroethoxy)methane	+++++ 0.4016	0.3995 0.4011	0.4033 0.3928	0.4045	0.4120	Ave		0.4021				1.4		15.0			
2,4-Dichlorophenol	+++++ 0.3116	0.2855 0.3123	0.2883 0.3084	0.3049	0.3117	Ave		0.3032				3.8		15.0			
1,2,4-Trichlorobenzene	0.3407 0.3497	0.3441 0.3452	0.3424 0.3452	0.3415	0.3571	Ave		0.3457				1.6		15.0			
Naphthalene	1.0942 1.0759	1.1116 1.0546	1.0999 1.0273	1.1067	1.1103	Ave		1.0851				2.8		15.0			
4-Chloroaniline	+++++ 0.4587	0.4464 0.4531	0.4521 0.4490	0.4561	0.4628	Ave		0.4540				1.2		15.0			
Hexachlorobutadiene	+++++ 0.1980	0.1920 0.1990	0.1951 0.1960	0.1979	0.2011	Ave		0.1970				1.5		15.0			
Caprolactam	+++++ 0.1541	0.1225 0.1522	0.1336 0.1544	0.1501	0.1569	Ave		0.1463				8.9		15.0			
4-Chloro-3-methylphenol	+++++ 0.3307	0.2953 0.3328	0.3018 0.3260	0.3263	0.3324	Ave		0.3208				4.8		15.0			
2-Methylnaphthalene	0.6946 0.7410	0.7355 0.7463	0.7501 0.7245	0.7510	0.7621	Ave		0.7381				2.8		15.0			
1-Methylnaphthalene	0.6743 0.7073	0.6996 0.7047	0.7013 0.6864	0.7195	0.7189	Ave		0.7015				2.2		15.0			
Hexachlorocyclopentadiene	+++++ 0.3502	0.2284 0.3540	0.2771 0.3497	0.3210	0.3386	Ave		0.3170			0.0500	14.9		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-19386-1 Analy Batch No.: 81442

SDG No.:

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

Calibration Start Date: 08/15/2011 10:06 Calibration End Date: 08/15/2011 12:30 Calibration ID: 6838

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2,4,6-Trichlorophenol	+++++ 0.3681	0.2964 0.3714	0.3358 0.3705	0.3631	0.3692	Ave		0.3535				7.9		15.0			
2,4,5-Trichlorophenol	+++++ 0.4099	0.3511 0.4007	0.3721 0.3938	0.4020	0.4056	Ave		0.3907				5.5		15.0			
2-Chloronaphthalene	1.1112 1.1254	1.1538 1.1106	1.1477 1.0862	1.1436	1.1541	Ave		1.1291				2.2		15.0			
2-Nitroaniline	+++++ 0.3607	0.3056 0.3572	0.3308 0.3496	0.3559	0.3615	Ave		0.3459				6.0		15.0			
Dimethyl phthalate	1.2249 1.3078	1.2857 1.2907	1.3293 1.2564	1.3299	1.3410	Ave		1.2957				3.1		15.0			
2,6-Dinitrotoluene	+++++ 0.3082	0.2879 0.3081	0.2971 0.3412	0.3138	0.3125	Ave		0.3098				5.4		15.0			
Acenaphthylene	1.6381 1.8165	1.7508 1.7746	1.8438 1.6971	1.8661	1.8842	Ave		1.7839				4.8		15.0			
3-Nitroaniline	+++++ 0.3432	0.2986 0.3409	0.3184 0.3342	0.3443	0.3504	Ave		0.3329				5.5		15.0			
Acenaphthene	1.1527 1.1754	1.1838 1.1505	1.2000 1.1208	1.2052	1.2133	Ave		1.1752				2.7		15.0			
2,4-Dinitrophenol	+++++ 0.1740	+++++ 0.1795	0.0815 0.1787	0.1416	0.1617	Lin2	0.2900	0.1905			0.0500				0.9996		0.9900
4-Nitrophenol	+++++ 0.1986	0.1390 0.2042	0.1755 0.2008	0.1969	0.2066	Ave		0.1888			0.0500	12.8		15.0			
2,4-Dinitrotoluene	+++++ 0.4059	0.3390 0.4064	0.3713 0.4058	0.4050	0.4193	Ave		0.3932				7.1		15.0			
Dibenzofuran	1.5933 1.6009	1.6589 1.5806	1.6521 1.5203	1.6662	1.6385	Ave		1.6138				3.1		15.0			
Diethyl phthalate	1.2188 1.2872	1.3032 1.2447	1.3206 1.2214	1.3296	1.3147	Ave		1.2800				3.5		15.0			
4-Chlorophenyl phenyl ether	+++++ 0.6450	0.6308 0.6471	0.6358 0.6375	0.6549	0.6571	Ave		0.6440				1.5		15.0			
Fluorene	1.2921 1.3601	1.3606 1.3314	1.3723 1.2939	1.4097	1.4050	Ave		1.3531				3.3		15.0			
4-Nitroaniline	+++++ 0.3441	0.2877 0.3402	0.3101 0.3373	0.3446	0.3509	Ave		0.3307				7.0		15.0			
4,6-Dinitro-2-methylphenol	+++++ 0.1494	+++++ 0.1502	0.1057 0.1543	0.1308	0.1441	Ave		0.1391				13.1		15.0			
N-Nitrosodiphenylamine	+++++ 0.7013	0.6906 0.6819	0.7046 0.6835	0.7105	0.7196	Ave		0.6988				2.0		15.0			
1,2-Diphenylhydrazine	1.1675 1.2979	1.3068 1.2635	1.3405 1.2128	1.3677	1.3470	Ave		1.2880				5.4		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-19386-1 Analy Batch No.: 81442

SDG No.:

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

Calibration Start Date: 08/15/2011 10:06 Calibration End Date: 08/15/2011 12:30 Calibration ID: 6838

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Bromophenyl phenyl ether	+++++ 0.2250	0.2152 0.2246	0.2153 0.2290	0.2229	0.2305	Ave		0.2232				2.7		15.0			
Hexachlorobenzene	+++++ 0.2398	0.2339 0.2387	0.2349 0.2412	0.2380	0.2425	Ave		0.2384				1.3		15.0			
Atrazine	+++++ 0.2246	0.2027 0.2195	0.2121 0.2204	0.2200	0.2280	Ave		0.2182				3.8		15.0			
Pentachlorophenol	+++++ 0.1617	+++++ 0.1596	0.1220 0.1691	0.1441	0.1564	Ave		0.1522				11.1		15.0			
Phenanthrene	1.1175 1.1492	1.1875 1.0999	1.1918 1.0768	1.1659	1.1968	Ave		1.1482				4.0		15.0			
Anthracene	1.0515 1.1859	1.1629 1.1292	1.1819 1.1076	1.1935	1.2166	Ave		1.1536				4.7		15.0			
Carbazole	0.9765 1.1029	1.0913 1.0657	1.1295 1.0339	1.1331	1.1296	Ave		1.0828				5.1		15.0			
Di-n-butyl phthalate	0.8791 1.2709	1.1245 1.2298	1.2518 1.1990	1.2747	1.3087	Ave		1.1923				11.6		15.0			
Fluoranthene	1.0677 1.2648	1.2152 1.2205	1.2608 1.1891	1.2808	1.3051	Ave		1.2255				6.1		15.0			
Benzidine	+++++ 0.7116	+++++ 0.7033	0.6206 0.6712	0.6807	0.7111	Ave		0.6831				5.1		15.0			
Pyrene	1.0700 1.1692	1.1537 1.1290	1.1839 1.0876	1.1966	1.1827	Ave		1.1466				4.1		15.0			
Famphur	0.2483 0.3767	0.3501 0.3603	0.3924 +++++	0.4241	0.4028	Lin2	0.0369	0.4044							0.9950		0.9900
Butyl benzyl phthalate	0.3899 0.5432	0.4947 0.5280	0.5294 0.5160	0.5565	0.5430	Ave		0.5126				10.3		15.0			
Bis(2-ethylhexyl) phthalate	0.3177 0.7063	0.4716 0.7054	0.5737 0.6890	0.6828	0.6994	Lin2	0.0591	0.7009							0.9969		0.9900
3,3'-Dichlorobenzidine	+++++ 0.4128	0.3191 0.4131	0.3630 0.4020	0.4066	0.4139	Ave		0.3901				9.2		15.0			
Benzo[a]anthracene	1.0138 1.1064	1.0753 1.0718	1.1108 1.0638	1.1199	1.1258	Ave		1.0860				3.4		15.0			
Chrysene	1.1004 1.1051	1.1257 1.0809	1.1215 1.0330	1.1467	1.1229	Ave		1.1045				3.2		15.0			
Di-n-octyl phthalate	0.4509 1.1788	0.6971 1.1707	0.8897 1.1479	1.0954	1.1541	Lin2	0.0674	1.1536							0.9937		0.9900
Benzo[b]fluoranthene	1.0090 1.1259	1.0856 1.2953	1.1564 1.2572	1.2469	1.1581	Ave		1.1668				8.2		15.0			
Benzo[k]fluoranthene	1.1334 1.4677	1.3366 1.2901	1.3065 1.2990	1.3169	1.4377	Ave		1.3235				7.7		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-19386-1 Analy Batch No.: 81442

SDG No.:

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

Calibration Start Date: 08/15/2011 10:06 Calibration End Date: 08/15/2011 12:30 Calibration ID: 6838

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Benzo[a]pyrene	0.7960 1.1629	0.9552 1.1608	1.0346 1.1634	1.1357	1.1664	Ave		1.0719				12.7		15.0			
Dibenz(a,h)anthracene	0.7105 1.0748	0.8420 1.0909	0.9307 1.0837	1.0183	1.0661	Ave		0.9771				14.2		15.0			
Indeno[1,2,3-cd]pyrene	0.7790 1.1723	0.9676 1.1771	1.0462 1.1643	1.1456	1.1731	Ave		1.0781				13.2		15.0			
Benzo[g,h,i]perylene	0.7682 1.0859	0.9348 1.0859	1.0102 1.0788	1.0430	1.0814	Ave		1.0110				11.0		15.0			
2-Fluorophenol (Surr)	+++++ 1.3495	1.3223 1.3539	1.3538 1.3467	1.3825	1.3832	Ave		1.3560				1.6		15.0			
Phenol-d5 (Surr)	+++++ 1.7214	1.7069 1.7079	1.7360 1.7057	1.7757	1.7490	Ave		1.7290				1.5		15.0			
Nitrobenzene-d5 (Surr)	+++++ 0.4027	0.3735 0.4011	0.3843 0.3942	0.3979	0.4046	Ave		0.3940				2.9		15.0			
2-Fluorobiphenyl	+++++ 1.3211	1.3401 1.2848	1.3485 1.2602	1.3555	1.3405	Ave		1.3215				2.7		15.0			
2,4,6-Tribromophenol (Surr)	0.1197 0.1899	0.1554 0.1901	0.1701 0.1926	0.1811	0.1870	Ave		0.1732				14.4		15.0			
Terphenyl-d14 (Surr)	+++++ 0.8087	0.7985 0.7913	0.8148 0.7849	0.8277	0.8066	Ave		0.8046				1.8		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-19386-1 Analy Batch No.: 81442

SDG No.:

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

Calibration Start Date: 08/15/2011 10:06 Calibration End Date: 08/15/2011 12:30 Calibration ID: 6838

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-81442/9	Y2260.D
Level 2	IC 280-81442/8	Y2259.D
Level 3	IC 280-81442/7	Y2258.D
Level 4	IC 280-81442/6	Y2257.D
Level 5	ICIS 280-81442/5	Y2256.D
Level 6	IC 280-81442/4	Y2255.D
Level 7	IC 280-81442/3	Y2254.D
Level 8	IC 280-81442/2	Y2253.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCB	Ave	14238 386463	33852 525774	65369 700787	158293	260879	4.00 120	10.0 160	20.0 200	50.0	80.0
N-Nitrosodimethylamine	DCB	Ave	+++++ 599896	48277 813814	92193 1092395	244529	396731	+++++ 120	10.0 160	20.0 200	50.0	80.0
Pyridine	DCB	Ave	+++++ 1073557	85589 1440292	167635 1938646	431667	709718	+++++ 120	10.0 160	20.0 200	50.0	80.0
Phenol	DCB	Ave	+++++ 1203740	95587 1640978	193846 2178762	497737	796778	+++++ 120	10.0 160	20.0 200	50.0	80.0
Aniline	DCB	Ave	+++++ 1488556	118539 2018657	234563 2725155	604593	987848	+++++ 120	10.0 160	20.0 200	50.0	80.0
Bis(2-chloroethyl)ether	DCB	Ave	+++++ 891694	76419 1267648	143514 1567942	385645	588134	+++++ 120	10.0 160	20.0 200	50.0	80.0
2-Chlorophenol	DCB	Ave	+++++ 1016696	82544 1404435	162794 1831313	419874	671161	+++++ 120	10.0 160	20.0 200	50.0	80.0
1,3-Dichlorobenzene	DCB	Ave	36868 1141183	92601 1584264	183864 2061550	467486	758431	4.00 120	10.0 160	20.0 200	50.0	80.0
1,4-Dichlorobenzene	DCB	Ave	37034 1154847	94858 1603039	185300 2077203	478279	765449	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzyl alcohol	DCB	Ave	+++++ 636669	46210 891648	96428 1174951	258375	420389	+++++ 120	10.0 160	20.0 200	50.0	80.0
1,2-Dichlorobenzene	DCB	Ave	33747 1092972	87153 1493907	175742 1977313	445892	731572	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Methylphenol	DCB	Ave	+++++ 922872	68305 1263029	143372 1670277	371283	603049	+++++ 120	10.0 160	20.0 200	50.0	80.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	+++++ 1247383	102605 1721255	199977 2270497	512361	824429	+++++ 120	10.0 160	20.0 200	50.0	80.0
3 & 4 Methylphenol	DCB	Ave	+++++ 975234	73651 1329350	148568 1753903	388414	637382	+++++ 120	10.0 160	20.0 200	50.0	80.0
4-Methylphenol	DCB	Ave	+++++ 975234	73651 1329350	148568 1753903	388414	637382	+++++ 120	10.0 160	20.0 200	50.0	80.0

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

Lab Name: TestAmerica Denver Job No.: 280-19386-1 Analy Batch No.: 81442

SDG No.:

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

Calibration Start Date: 08/15/2011 10:06 Calibration End Date: 08/15/2011 12:30 Calibration ID: 6838

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
N-Nitrosodi-n-propylamine	DCB	Ave	+++++ 740894	56048 1004035	115592 1331434	295233	488391	+++++ 120	10.0 160	20.0 200	50.0	80.0
Acetophenone	DCB	Ave	+++++ 1352068	109008 1834269	213385 2403536	553900	892142	+++++ 120	10.0 160	20.0 200	50.0	80.0
Hexachloroethane	DCB	Ave	12281 443115	35318 604879	68432 790551	181240	291697	4.00 120	10.0 160	20.0 200	50.0	80.0
Nitrobenzene	NPT	Ave	+++++ 1069947	83593 1439733	166430 1916484	436972	714140	+++++ 120	10.0 160	20.0 200	50.0	80.0
Isophorone	NPT	Ave	+++++ 1862050	137332 2507998	285887 3268391	753982	1212142	+++++ 120	10.0 160	20.0 200	50.0	80.0
2,4-Dimethylphenol	NPT	Ave	+++++ 998724	76704 1351935	159406 1760381	413292	664245	+++++ 120	10.0 160	20.0 200	50.0	80.0
2-Nitrophenol	NPT	Ave	+++++ 557210	37040 758751	80114 1000072	219188	361239	+++++ 120	10.0 160	20.0 200	50.0	80.0
Benzoic acid	NPT	Lin2	+++++ 572183	+++++ 714962	51684 989182	196060	349681	+++++ 120	+++++ 160	20.0 200	50.0	80.0
Bis(2-chloroethoxy)methane	NPT	Ave	+++++ 1095662	88193 1499592	176005 1941709	448853	728494	+++++ 120	10.0 160	20.0 200	50.0	80.0
2,4-Dichlorophenol	NPT	Ave	+++++ 850175	63020 1167367	125828 1524410	338355	551052	+++++ 120	10.0 160	20.0 200	50.0	80.0
1,2,4-Trichlorobenzene	NPT	Ave	29286 954099	75948 1290698	149422 1706211	378925	631422	4.00 120	10.0 160	20.0 200	50.0	80.0
Naphthalene	NPT	Ave	94066 2935481	245381 3942734	479989 5077967	1228129	1962926	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Chloroaniline	NPT	Ave	+++++ 1251556	98535 1693848	197298 2219301	506104	818165	+++++ 120	10.0 160	20.0 200	50.0	80.0
Hexachlorobutadiene	NPT	Ave	+++++ 540159	42389 743859	85126 968810	219633	355612	+++++ 120	10.0 160	20.0 200	50.0	80.0
Caprolactam	NPT	Ave	+++++ 420428	27050 568891	58290 763263	166512	277459	+++++ 120	10.0 160	20.0 200	50.0	80.0
4-Chloro-3-methylphenol	NPT	Ave	+++++ 902166	65193 1244053	131686 1611392	362072	587741	+++++ 120	10.0 160	20.0 200	50.0	80.0
2-Methylnaphthalene	NPT	Ave	59715 2021709	162343 2790099	327322 3581142	833356	1347448	4.00 120	10.0 160	20.0 200	50.0	80.0
1-Methylnaphthalene	NPT	Ave	57968 1929701	154426 2634645	306035 3392990	798444	1271000	4.00 120	10.0 160	20.0 200	50.0	80.0
Hexachlorocyclopentadiene	ANT	Ave	+++++ 582471	30648 821130	72629 1071389	214479	363166	+++++ 120	10.0 160	20.0 200	50.0	80.0
2,4,6-Trichlorophenol	ANT	Ave	+++++ 612153	39785 861274	88007 1135353	242606	395940	+++++ 120	10.0 160	20.0 200	50.0	80.0
2,4,5-Trichlorophenol	ANT	Ave	+++++ 681705	47117 929261	97519 1206754	268595	434996	+++++ 120	10.0 160	20.0 200	50.0	80.0

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

Lab Name: TestAmerica Denver Job No.: 280-19386-1 Analy Batch No.: 81442

SDG No.:

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

Calibration Start Date: 08/15/2011 10:06 Calibration End Date: 08/15/2011 12:30 Calibration ID: 6838

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2-Chloronaphthalene	ANT	Ave	57598 1871772	154842 2575915	300801 3328151	764133	1237746	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Nitroaniline	ANT	Ave	+++++ 599935	41012 828555	86684 1071129	237809	387696	+++++ 120	10.0 160	20.0 200	50.0	80.0
Dimethyl phthalate	ANT	Ave	63493 2175080	172547 2993485	348377 3849838	888582	1438134	4.00 120	10.0 160	20.0 200	50.0	80.0
2,6-Dinitrotoluene	ANT	Ave	+++++ 512662	38633 714621	77875 940855	209704	335157	+++++ 120	10.0 160	20.0 180	50.0	80.0
Acenaphthylene	ANT	Ave	84909 3021159	234973 4115732	483233 5200056	1246870	2020678	4.00 120	10.0 160	20.0 200	50.0	80.0
3-Nitroaniline	ANT	Ave	+++++ 570797	40073 790742	83436 1023933	230066	375840	+++++ 120	10.0 160	20.0 200	50.0	80.0
Acenaphthene	ANT	Ave	59750 1954799	158868 2668271	314505 3434378	805310	1301238	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4-Dinitrophenol	ANT	Lin2	+++++ 289433	+++++ 416288	21367 547450	94608	173457	+++++ 120	+++++ 160	20.0 200	50.0	80.0
4-Nitrophenol	ANT	Ave	+++++ 330222	18652 473628	45982 615161	131561	221530	+++++ 120	10.0 160	20.0 200	50.0	80.0
2,4-Dinitrotoluene	ANT	Ave	+++++ 675093	45492 942551	97318 1243313	270597	449727	+++++ 120	10.0 160	20.0 200	50.0	80.0
Dibenzofuran	ANT	Ave	82587 2662547	222629 3666001	432992 4658303	1113311	1757209	4.00 120	10.0 160	20.0 200	50.0	80.0
Diethyl phthalate	ANT	Ave	63176 2140791	174899 2886797	346101 3742529	888429	1409951	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Chlorophenyl phenyl ether	ANT	Ave	+++++ 1072678	84659 1500802	166633 1953533	437614	704664	+++++ 120	10.0 160	20.0 200	50.0	80.0
Fluorene	ANT	Ave	66976 2262106	182595 3087824	359655 3964663	941913	1506751	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Nitroaniline	ANT	Ave	+++++ 572312	38617 789126	81258 1033406	230257	376318	+++++ 120	10.0 160	20.0 200	50.0	80.0
4,6-Dinitro-2-methylphenol	PHN	Ave	+++++ 413815	+++++ 579721	46151 772586	147933	257190	+++++ 120	+++++ 160	20.0 200	50.0	80.0
N-Nitrosodiphenylamine	PHN	Ave	+++++ 1943039	155845 2631913	307738 3421933	803674	1284145	+++++ 120	10.0 160	20.0 200	50.0	80.0
1,2-Diphenylhydrazine	ANT	Ave	61179 2182246	177312 2962510	355160 3757081	923900	1460433	4.04 121	10.1 162	20.2 202	50.5	80.9
4-Bromophenyl phenyl ether	PHN	Ave	+++++ 623310	48568 867079	94043 1146305	252141	411279	+++++ 120	10.0 160	20.0 200	50.0	80.0
Hexachlorobenzene	PHN	Ave	+++++ 664467	52780 921500	102583 1207840	269187	432684	+++++ 120	10.0 160	20.0 200	50.0	80.0
Atrazine	PHN	Ave	+++++ 622264	45749 847115	92621 1103531	248848	406827	+++++ 120	10.0 160	20.0 200	50.0	80.0

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

Lab Name: TestAmerica Denver Job No.: 280-19386-1 Analy Batch No.: 81442

SDG No.:

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

Calibration Start Date: 08/15/2011 10:06 Calibration End Date: 08/15/2011 12:30 Calibration ID: 6838

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Pentachlorophenol	PHN	Ave	+++++ 448038	+++++ 615997	53299 846510	163006	279094	+++++ 120	+++++ 160	20.0 200	50.0	80.0
Phenanthrene	PHN	Ave	98595 3184012	267990 4245660	520538 5391197	1318895	2135641	4.00 120	10.0 160	20.0 200	50.0	80.0
Anthracene	PHN	Ave	92768 3285621	262433 4358676	516201 5545421	1350090	2170887	4.00 120	10.0 160	20.0 200	50.0	80.0
Carbazole	PHN	Ave	86153 3055763	246282 4113325	493309 5176506	1281724	2015643	4.00 120	10.0 160	20.0 200	50.0	80.0
Di-n-butyl phthalate	PHN	Ave	77561 3521229	253765 4746958	546723 6003216	1441941	2335342	4.00 120	10.0 160	20.0 200	50.0	80.0
Fluoranthene	PHN	Ave	94202 3504234	274233 4711184	550636 5953680	1448866	2328772	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzidine	CRY	Ave	+++++ 2210462	+++++ 3017962	307394 3761656	847080	1447010	+++++ 120	+++++ 160	20.0 200	50.0	80.0
Pyrene	CRY	Ave	103333 3631798	288514 4845005	586453 6094837	1488984	2406759	4.00 120	10.0 160	20.0 200	50.0	80.0
Famphur	CRY	Lin2	23979 1170042	87561 1546254	194365 +++++	527734	819742	4.00 120	10.0 160	20.0 +++++	50.0	80.0
Butyl benzyl phthalate	CRY	Ave	37653 1687391	123705 2265674	262244 2891633	692435	1104963	4.00 120	10.0 160	20.0 200	50.0	80.0
Bis(2-ethylhexyl) phthalate	CRY	Lin2	30679 2194067	117943 3027078	284193 3861147	849664	1423238	4.00 120	10.0 160	20.0 200	50.0	80.0
3,3'-Dichlorobenzidine	CRY	Ave	+++++ 1282176	79802 1772938	179816 2252756	505906	842329	+++++ 120	10.0 160	20.0 200	50.0	80.0
Benzo[a]anthracene	CRY	Ave	97907 3436576	268909 4599537	550209 5961849	1393602	2291029	4.00 120	10.0 160	20.0 200	50.0	80.0
Chrysene	CRY	Ave	106271 3432605	281506 4638594	555539 5789287	1426896	2285021	4.00 120	10.0 160	20.0 200	50.0	80.0
Di-n-octyl phthalate	CRY	Lin2	43546 3661647	174332 5023911	440702 6433223	1363115	2348610	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[b]fluoranthene	PRY	Ave	87301 3150236	239965 4963613	515822 6268249	1418217	2136821	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[k]fluoranthene	PRY	Ave	98073 4106786	295439 4943798	582763 6476415	1497929	2652561	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[a]pyrene	PRY	Ave	68871 3253984	211140 4448197	461468 5800435	1291803	2152019	4.00 120	10.0 160	20.0 200	50.0	80.0
Dibenz(a,h)anthracene	PRY	Ave	61473 3007399	186125 4180241	415155 5402936	1158269	1967045	4.00 120	10.0 160	20.0 200	50.0	80.0
Indeno[1,2,3-cd]pyrene	CRY	Ave	75229 3641313	241955 5051220	518231 6524947	1425596	2387232	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[g,h,i]perylene	PRY	Ave	66470 3038336	206623 4160982	450605 5378887	1186379	1995220	4.00 120	10.0 160	20.0 200	50.0	80.0

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

Lab Name: TestAmerica Denver Job No.: 280-19386-1 Analy Batch No.: 81442

SDG No.:

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

Calibration Start Date: 08/15/2011 10:06 Calibration End Date: 08/15/2011 12:30 Calibration ID: 6838

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2-Fluorophenol (Surr)	DCB	Ave	+++++ 1404930	109157 1943373	220664 2534690	570833	936660	+++++ 180	15.0 240	30.0 300	75.0	120
Phenol-d5 (Surr)	DCB	Ave	+++++ 1792160	140904 2451449	282971 3210356	733224	1184398	+++++ 180	15.0 240	30.0 300	75.0	120
Nitrobenzene-d5 (Surr)	NPT	Ave	+++++ 1098578	82450 1499325	167716 1948351	441516	715276	+++++ 120	10.0 160	20.0 200	50.0	80.0
2-Fluorobiphenyl	ANT	Ave	+++++ 2197109	179850 2979744	353405 3861393	905683	1437588	+++++ 120	10.0 160	20.0 200	50.0	80.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	9304 473638	31274 661255	66868 885314	181471	300745	6.00 180	15.0 240	30.0 300	75.0	120
Terphenyl-d14 (Surr)	CRY	Ave	+++++ 2512022	199687 3395700	403614 4398930	1029925	1641341	+++++ 120	10.0 160	20.0 200	50.0	80.0

Curve Type Legend:

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

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\Y.i\081511.b\Y2253.D
Lab Smp Id: IC-921007
Inj Date : 15-AUG-2011 10:06
Operator : TINKHAMS Inst ID: Y.i
Smp Info : IC-921007,,MS-HSL200
Misc Info :
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\Y.i\081511.b\8270C.m
Meth Date : 15-Aug-2011 18:12 Y.i Quant Type: ISTD
Cal Date : 15-AUG-2011 10:06 Cal File: Y2253.D
Als bottle: 2 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.739	4.739	(1.000)	250955	40.0000	
* 58 Naphthalene-d8	136	5.955	5.955	(1.000)	988584	40.0000	
* 96 Acenaphthene-d10	164	7.665	7.665	(1.000)	612826	40.0000	
* 135 Phenanthrene-d10	188	8.928	8.928	(1.000)	1001341	40.0000	
* 166 Chrysene-d12	240	11.037	11.037	(1.000)	1120826	40.0000	
* 179 Perylene-d12	264	12.359	12.359	(1.000)	997169	40.0000	
$ 22 2-Chlorophenol-d4	132	4.539	4.539	(0.958)	2759408	300.000	295.146
$ 29 1,2-Dichlorobenzene-d4	152	4.892	4.892	(1.032)	1292941	200.000	197.209
$ 8 2-Fluorophenol	112	3.581	3.581	(0.756)	2534690	300.000	297.946
$ 15 Phenol-d5	99	4.363	4.363	(0.921)	3210356	300.000	295.961
$ 43 Nitrobenzene-d5	82	5.268	5.268	(0.885)	1948351	200.000	200.074(A)
$ 81 2-Fluorobiphenyl	172	7.007	7.007	(0.914)	3861393	200.000	190.722
$ 118 2,4,6-Tribromophenol	330	8.358	8.358	(1.090)	885314	300.000	333.618(A)
$ 154 Terphenyl-d14	244	10.138	10.138	(0.919)	4398930	200.000	195.102
4 1,4-Dioxane	88	2.318	2.318	(0.489)	700787	200.000	190.175
5 N-Nitrosodimethylamine	74	2.547	2.547	(0.538)	1092395	200.000	200.527(A)
6 Pyridine	79	2.583	2.583	(0.545)	1938646	200.000	199.632
16 Phenol	94	4.375	4.375	(0.923)	2178762	200.000	197.968
18 Aniline	93	4.451	4.451	(0.939)	2725155	200.000	201.054(A)
19 Methyl Styrene	118	4.469	4.469	(0.943)	1862947	200.000	197.458
20 Bis(2-chloroethyl) ether	93	4.475	4.475	(0.944)	1567942	200.000	188.676
21 Decane	43	4.522	4.522	(0.954)	1659444	200.000	192.002

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
23 2-Chlorophenol	128	4.551	4.551	(0.960)	1831313	200.000	196.431
25 1,3-Dichlorobenzene	146	4.692	4.692	(0.990)	2061550	200.000	195.938
27 1,4-Dichlorobenzene	146	4.757	4.757	(1.004)	2077203	200.000	194.976
28 Benzyl alcohol	108	4.851	4.851	(1.024)	1174951	200.000	205.401(A)
30 1,2-Dichlorobenzene	146	4.903	4.903	(1.035)	1977313	200.000	198.095
32 2-Methylphenol	108	4.933	4.933	(1.041)	1670277	200.000	201.998(A)
34 2,2'-oxybis(1-chloropropane)	45	4.956	4.956	(1.046)	2270497	200.000	197.949
35 1H-Indene	116	4.980	4.980	(1.051)	2792118	200.000	195.824
138 3-Methylphenol	108	5.074	5.074	(1.071)	1753903	200.000	201.317(A)
36 4-Methylphenol	108	5.074	5.074	(1.071)	1753903	200.000	201.317(A)
139 3 & 4-Methylphenol	108	5.074	5.074	(1.071)	1753903	200.000	201.317(A)
37 N-nitrosodi-n-propylamine	70	5.091	5.091	(1.074)	1331434	200.000	200.360(A)
38 Acetophenone	105	5.109	5.109	(1.078)	2403536	200.000	195.557
41 Hexachloroethane	117	5.221	5.221	(1.102)	790551	200.000	199.625
44 Nitrobenzene	77	5.285	5.285	(0.888)	1916484	200.000	199.360
47 Isophorone	82	5.491	5.491	(0.922)	3268391	200.000	198.784
50 2,4-Dimethylphenol	107	5.585	5.585	(0.938)	1760381	200.000	195.933
49 2-Nitrophenol	139	5.585	5.585	(0.938)	1000072	200.000	207.856(A)
53 Benzoic acid	122	5.679	5.679	(0.954)	989182	200.000	195.027
52 Bis(2-chloroethoxy)methane	93	5.673	5.673	(0.953)	1941709	200.000	195.372
54 2,4-Dichlorophenol	162	5.802	5.802	(0.974)	1524410	200.000	203.403(A)
56 n-Dodecane	43	5.861	5.861	(0.765)	1676871	200.000	190.381
57 1,2,4-Trichlorobenzene	180	5.890	5.890	(0.989)	1706211	200.000	199.682
59 Naphthalene	128	5.979	5.979	(1.004)	5077967	200.000	189.355
60 4-Chloroaniline	127	6.020	6.020	(1.011)	2219301	200.000	197.782
62 Hexachlorobutadiene	225	6.067	6.067	(1.019)	968810	200.000	198.967
67 Caprolactam	55	6.390	6.390	(1.073)	763263	200.000	211.158(A)
68 4-Chloro-3-methylphenol	107	6.478	6.478	(1.088)	1611392	200.000	203.273(A)
71 2-Methylnaphthalene	142	6.654	6.654	(1.117)	3581142	200.000	196.306
72 1-Methylnaphthalene	142	6.754	6.754	(1.134)	3392990	200.000	195.704
74 Hexachlorocyclopentadiene	237	6.795	6.795	(0.887)	1071389	200.000	220.599(A)
78 2,4,6-Trichlorophenol	196	6.930	6.930	(0.904)	1135353	200.000	209.637(A)
79 2,3-Dichlorobenzeneamine	161	6.942	6.942	(0.906)	1872322	200.000	194.875
80 2,4,5-Trichlorophenol	196	6.966	6.966	(0.909)	1206754	200.000	201.585(A)
83 Tetradecane	43	7.024	7.024	(0.916)	1677534	200.000	191.122
86 2-Chloronaphthalene	162	7.142	7.142	(0.932)	3328151	200.000	192.397
88 2-Nitroaniline	65	7.248	7.248	(0.946)	1071129	200.000	202.123(A)
91 Dimethyl phthalate	163	7.383	7.383	(0.963)	3849838	200.000	193.936
93 2,6-Dinitrotoluene	165	7.459	7.459	(0.973)	940855	180.000	198.200
94 Acenaphthylene	152	7.541	7.541	(0.984)	5200056	200.000	190.266
95 3-Nitroaniline	138	7.636	7.636	(0.996)	1023933	200.000	200.785(A)
97 Acenaphthene	153	7.694	7.694	(1.004)	3434378	200.000	190.745
98 2,4-Dinitrophenol	184	7.724	7.724	(1.008)	547450	200.000	199.207
99 4-Nitrophenol	109	7.759	7.759	(1.012)	615161	200.000	212.701(A)
101 2,4-Dinitrotoluene	165	7.829	7.829	(1.021)	1243313	200.000	206.368(A)
102 Dibenzofuran	168	7.847	7.847	(1.024)	4658303	200.000	188.403
105 Hexadecane	57	7.965	7.965	(1.039)	2060072	200.000	189.772
107 Diethyl phthalate	149	8.000	8.000	(1.044)	3742529	200.000	190.840
109 4-Chlorophenyl phenyl ether	204	8.123	8.123	(1.060)	1953533	200.000	197.986
110 Fluorene	166	8.147	8.147	(1.063)	3964663	200.000	191.245
112 4-Nitroaniline	138	8.182	8.182	(1.067)	1033406	200.000	203.966(A)
113 4,6-Dinitro-2-methylphenol	198	8.188	8.188	(0.917)	772586	200.000	221.914(A)
115 N-nitrosodiphenylamine	169	8.229	8.229	(0.922)	3421933	200.000	195.600
116 Azobenzene	77	8.258	8.258	(1.077)	3757081	200.000	188.336

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
234 1,2-DPH(as Azobenzene)	77	8.258	8.258	(1.077)	3757081	202.195	190.403
242 2,4,6 - Tribromophenol	330	8.358	8.358	(1.090)	885314	300.000	333.618(A)
124 4-Bromophenyl phenyl ether	248	8.534	8.534	(0.956)	1146305	200.000	205.145(A)
125 Hexachlorobenzene	284	8.611	8.611	(0.964)	1207840	200.000	202.361(A)
127 Atrazine	200	8.646	8.646	(0.968)	1103531	200.000	202.048(A)
128 n-Octadecane	85	8.717	8.717	(0.976)	953302	200.000	202.747(A)
129 Pentachlorophenol	266	8.764	8.764	(0.982)	846510	200.000	222.245(A)
136 Phenanthrene	178	8.946	8.946	(1.002)	5391197	200.000	187.563
137 Anthracene	178	8.987	8.987	(1.007)	5545421	200.000	192.019
140 Carbazole	167	9.110	9.110	(1.020)	5176506	200.000	190.969
141 Alachlor	188	9.163	9.163	(1.026)	818748	200.000	210.665(A)
143 Di-n-butyl phthalate	149	9.298	9.298	(1.041)	6003216	200.000	201.126(A)
144 n-Eicosane	43	9.357	9.357	(1.221)	1687030	200.000	189.341
149 Fluoranthene	202	9.886	9.886	(1.107)	5953680	200.000	194.066
150 n-docosane	43	9.933	9.933	(1.296)	1662025	200.000	191.982
151 Benzidine	184	9.968	9.968	(0.903)	3761656	200.000	196.529
152 Pyrene	202	10.074	10.074	(0.913)	6094837	200.000	189.704
158 Famphur	218	10.462	10.462	(0.948)	1748198	200.000	155.772
159 Butyl benzyl phthalate	149	10.479	10.479	(0.949)	2891633	200.000	201.329(A)
162 Bis(2-ethylhexyl) phthalate	149	10.885	10.885	(0.986)	3861147	200.000	198.976
164 3 3'-Dichlorobenzidine	252	10.979	10.979	(0.995)	2252756	200.000	206.104(A)
165 Benzo(a)anthracene	228	11.026	11.026	(0.999)	5961849	200.000	195.925
167 Chrysene	228	11.061	11.061	(1.002)	5789287	200.000	187.055
168 Di-n-octyl phthalate	149	11.396	11.396	(1.032)	6433223	200.000	201.710(A)
171 Benzo(b)fluoranthene	252	11.960	11.960	(0.968)	6268249	200.000	215.497(A)
172 Benzo(k)fluoranthene	252	11.983	11.983	(0.970)	6476415	200.000	196.292
178 Benzo(a)pyrene	252	12.307	12.307	(0.996)	5800435	200.000	217.074(A)
185 Dibenz(a,h)anthracene	278	13.705	13.705	(1.109)	5402936	200.000	221.804(A)
186 Indeno(1,2,3-cd)pyrene	276	13.717	13.717	(1.243)	6524947	200.000	215.984(A)
188 Benzo(g,h,i)perylene	276	14.146	14.146	(1.145)	5378887	200.000	213.414(A)

QC Flag Legend

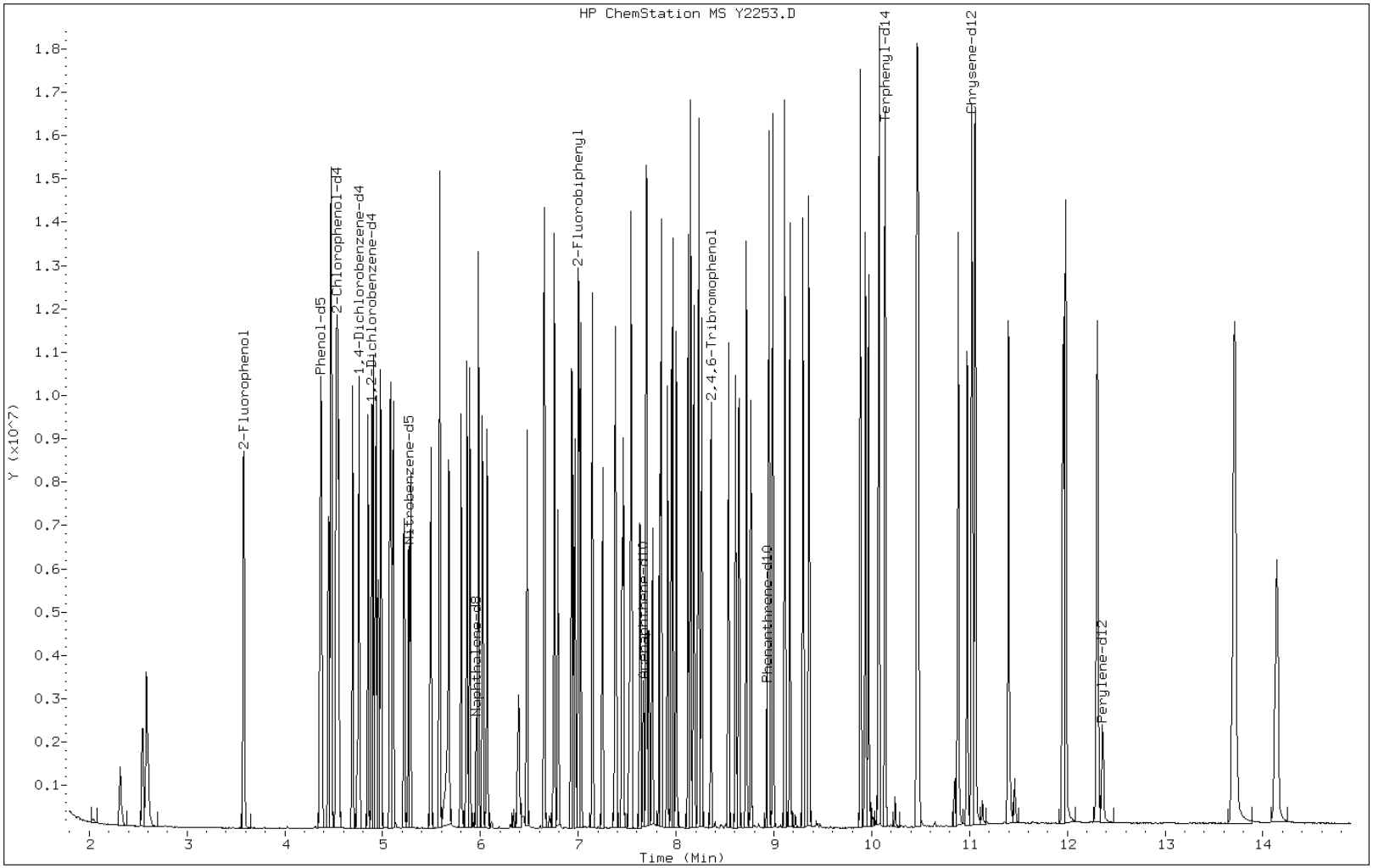
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: Y2253.D

Date: 15-AUG-2011 10:06

Client ID: Instrument: Y.i

Sample Info: IC-921007,,MS-HSL200 Operator: TINKHAMS



TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\Y.i\081511.b\Y2254.D
Lab Smp Id: IC-921006
Inj Date : 15-AUG-2011 10:26
Operator : TINKHAMS Inst ID: Y.i
Smp Info : IC-921006,,MS-HSL160
Misc Info :
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\Y.i\081511.b\8270C.m
Meth Date : 15-Aug-2011 18:12 Y.i Quant Type: ISTD
Cal Date : 15-AUG-2011 10:06 Cal File: Y2253.D
Als bottle: 3 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.742	4.742	(1.000)	239229	40.0000	
* 58 Naphthalene-d8	136	5.958	5.958	(1.000)	934617	40.0000	
* 96 Acenaphthene-d10	164	7.668	7.668	(1.000)	579825	40.0000	
* 135 Phenanthrene-d10	188	8.925	8.925	(1.000)	964980	40.0000	
* 166 Chrysene-d12	240	11.040	11.040	(1.000)	1072821	40.0000	
* 179 Perylene-d12	264	12.374	12.374	(1.000)	957997	40.0000	
$ 22 2-Chlorophenol-d4	132	4.536	4.536	(0.957)	2112676	240.000	237.048
$ 29 1,2-Dichlorobenzene-d4	152	4.889	4.889	(1.031)	982706	160.000	157.237
$ 8 2-Fluorophenol	112	3.579	3.579	(0.755)	1943373	240.000	239.636
$ 15 Phenol-d5	99	4.366	4.366	(0.921)	2451449	240.000	237.075
$ 43 Nitrobenzene-d5	82	5.265	5.265	(0.884)	1499325	160.000	162.854
$ 81 2-Fluorobiphenyl	172	7.004	7.004	(0.913)	2979744	160.000	155.552
$ 118 2,4,6-Tribromophenol	330	8.355	8.355	(1.090)	661255	240.000	263.367
$ 154 Terphenyl-d14	244	10.141	10.141	(0.919)	3395700	160.000	157.346
4 1,4-Dioxane	88	2.315	2.315	(0.488)	525774	160.000	149.675
5 N-Nitrosodimethylamine	74	2.544	2.544	(0.537)	813814	160.000	156.711
6 Pyridine	79	2.586	2.586	(0.545)	1440292	160.000	155.584
16 Phenol	94	4.378	4.378	(0.923)	1640978	160.000	156.412
18 Aniline	93	4.448	4.448	(0.938)	2018657	160.000	156.231
19 Methyl Styrene	118	4.472	4.472	(0.943)	1424478	160.000	158.384
20 Bis(2-chloroethyl) ether	93	4.478	4.478	(0.944)	1267648	160.000	160.017
21 Decane	43	4.525	4.525	(0.954)	1264707	160.000	153.503

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
23 2-Chlorophenol	128	4.554	4.554	(0.960)	1404435	160.000	158.027
25 1,3-Dichlorobenzene	146	4.695	4.695	(0.990)	1584264	160.000	157.955
27 1,4-Dichlorobenzene	146	4.760	4.760	(1.004)	1603039	160.000	157.844
28 Benzyl alcohol	108	4.854	4.854	(1.024)	891648	160.000	163.515
30 1,2-Dichlorobenzene	146	4.906	4.906	(1.035)	1493907	160.000	157.002
32 2-Methylphenol	108	4.930	4.930	(1.040)	1263029	160.000	160.233
34 2,2'-oxybis(1-chloropropane)	45	4.953	4.953	(1.045)	1721255	160.000	157.420
35 1H-Indene	116	4.983	4.983	(1.051)	2156091	160.000	158.628
138 3-Methylphenol	108	5.077	5.077	(1.071)	1329350	160.000	160.065
36 4-Methylphenol	108	5.077	5.077	(1.071)	1329350	160.000	160.065
139 3 & 4-Methylphenol	108	5.077	5.077	(1.071)	1329350	160.000	160.065
37 N-nitrosodi-n-propylamine	70	5.089	5.089	(1.073)	1004035	160.000	158.497
38 Acetophenone	105	5.106	5.106	(1.077)	1834269	160.000	156.556
41 Hexachloroethane	117	5.218	5.218	(1.100)	604879	160.000	160.227
44 Nitrobenzene	77	5.282	5.282	(0.887)	1439733	160.000	158.414
47 Isophorone	82	5.488	5.488	(0.921)	2507998	160.000	161.345
50 2,4-Dimethylphenol	107	5.582	5.582	(0.937)	1351935	160.000	159.161
49 2-Nitrophenol	139	5.582	5.582	(0.937)	758751	160.000	166.806
53 Benzoic acid	122	5.670	5.670	(0.952)	714962	160.000	151.187
52 Bis(2-chloroethoxy)methane	93	5.676	5.676	(0.953)	1499592	160.000	159.599
54 2,4-Dichlorophenol	162	5.805	5.805	(0.974)	1167367	160.000	164.757
56 n-Dodecane	43	5.864	5.864	(0.765)	1297004	160.000	155.634
57 1,2,4-Trichlorobenzene	180	5.894	5.894	(0.989)	1290698	160.000	159.776
59 Naphthalene	128	5.982	5.982	(1.004)	3942734	160.000	155.512
60 4-Chloroaniline	127	6.023	6.023	(1.011)	1693848	160.000	159.671
62 Hexachlorobutadiene	225	6.070	6.070	(1.019)	743859	160.000	161.590
67 Caprolactam	55	6.381	6.381	(1.071)	568891	160.000	166.473(M)
68 4-Chloro-3-methylphenol	107	6.475	6.475	(1.087)	1244053	160.000	165.996
71 2-Methylnaphthalene	142	6.651	6.651	(1.116)	2790099	160.000	161.775
72 1-Methylnaphthalene	142	6.757	6.757	(1.134)	2634645	160.000	160.738
74 Hexachlorocyclopentadiene	237	6.792	6.792	(0.886)	821130	160.000	178.694
78 2,4,6-Trichlorophenol	196	6.928	6.928	(0.903)	861274	160.000	168.081
79 2,3-Dichlorobenzeneamine	161	6.945	6.945	(0.906)	1430149	160.000	157.325
80 2,4,5-Trichlorophenol	196	6.969	6.969	(0.909)	929261	160.000	164.066
83 Tetradecane	43	7.022	7.022	(0.916)	1311891	160.000	157.971
86 2-Chloronaphthalene	162	7.145	7.145	(0.932)	2575915	160.000	157.387
88 2-Nitroaniline	65	7.245	7.245	(0.945)	828555	160.000	165.248
91 Dimethyl phthalate	163	7.380	7.380	(0.962)	2993485	160.000	159.380
93 2,6-Dinitrotoluene	165	7.462	7.462	(0.973)	714621	160.000	159.110
94 Acenaphthylene	152	7.545	7.545	(0.984)	4115732	160.000	159.162
95 3-Nitroaniline	138	7.633	7.633	(0.995)	790742	160.000	163.883
97 Acenaphthene	153	7.697	7.697	(1.004)	2668271	160.000	156.630
98 2,4-Dinitrophenol	184	7.721	7.721	(1.007)	416288	160.000	162.378
99 4-Nitrophenol	109	7.756	7.756	(1.011)	473628	160.000	173.085
101 2,4-Dinitrotoluene	165	7.832	7.832	(1.021)	942551	160.000	165.351
102 Dibenzofuran	168	7.850	7.850	(1.024)	3666001	160.000	156.708
105 Hexadecane	57	7.962	7.962	(1.038)	1603917	160.000	156.161
107 Diethyl phthalate	149	8.003	8.003	(1.044)	2886797	160.000	155.582
109 4-Chlorophenyl phenyl ether	204	8.120	8.120	(1.059)	1500802	160.000	160.760
110 Fluorene	166	8.150	8.150	(1.063)	3087824	160.000	157.426
112 4-Nitroaniline	138	8.179	8.179	(1.067)	789126	160.000	164.616
113 4,6-Dinitro-2-methylphenol	198	8.185	8.185	(0.917)	579721	160.000	172.791
115 N-nitrosodiphenylamine	169	8.226	8.226	(0.922)	2631913	160.000	156.110
116 Azobenzene	77	8.261	8.261	(1.077)	2962510	160.000	156.958

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
234 1,2-DPH(as Azobenzene)	77	8.261	8.261	(1.077)	2962510	161.756	158.680
242 2,4,6 - Tribromophenol	330	8.355	8.355	(1.090)	661255	240.000	263.367(A)
124 4-Bromophenyl phenyl ether	248	8.537	8.537	(0.957)	867079	160.000	161.021
125 Hexachlorobenzene	284	8.608	8.608	(0.964)	921500	160.000	160.205
127 Atrazine	200	8.643	8.643	(0.968)	847115	160.000	160.944
128 n-Octadecane	85	8.720	8.720	(0.977)	734841	160.000	162.174
129 Pentachlorophenol	266	8.767	8.767	(0.982)	615997	160.000	167.820
136 Phenanthrene	178	8.949	8.949	(1.003)	4245660	160.000	153.275
137 Anthracene	178	8.990	8.990	(1.007)	4358676	160.000	156.613
140 Carbazole	167	9.113	9.113	(1.021)	4113325	160.000	157.465
141 Alachlor	188	9.160	9.160	(1.026)	623016	160.000	166.343
143 Di-n-butyl phthalate	149	9.301	9.301	(1.042)	4746958	160.000	165.030
144 n-Eicosane	43	9.360	9.360	(1.221)	1324118	160.000	157.068
149 Fluoranthene	202	9.889	9.889	(1.108)	4711184	160.000	159.352
150 n-docosane	43	9.936	9.936	(1.296)	1309417	160.000	159.860
151 Benzidine	184	9.971	9.971	(0.903)	3017962	160.000	164.730
152 Pyrene	202	10.077	10.077	(0.913)	4845005	160.000	157.550
158 Famphur	218	10.465	10.465	(0.948)	1546254	160.000	144.055
159 Butyl benzyl phthalate	149	10.482	10.482	(0.949)	2265674	160.000	164.805
162 Bis(2-ethylhexyl) phthalate	149	10.888	10.888	(0.986)	3027078	160.000	163.402
164 3 3'-Dichlorobenzidine	252	10.982	10.982	(0.995)	1772938	160.000	169.464
165 Benzo(a)anthracene	228	11.029	11.029	(0.999)	4599537	160.000	157.919
167 Chrysene	228	11.064	11.064	(1.002)	4638594	160.000	156.582
168 Di-n-octyl phthalate	149	11.405	11.405	(1.033)	5023911	160.000	165.067
171 Benzo(b)fluoranthene	252	11.969	11.969	(0.967)	4963613	160.000	177.622
172 Benzo(k)fluoranthene	252	11.992	11.992	(0.969)	4943798	160.000	155.967
178 Benzo(a)pyrene	252	12.315	12.315	(0.995)	4448197	160.000	173.275
185 Dibenz(a,h)anthracene	278	13.714	13.714	(1.108)	4180241	160.000	178.626
186 Indeno(1,2,3-cd)pyrene	276	13.726	13.726	(1.243)	5051220	160.000	174.684
188 Benzo(g,h,i)perylene	276	14.154	14.154	(1.144)	4160982	160.000	171.842

QC Flag Legend

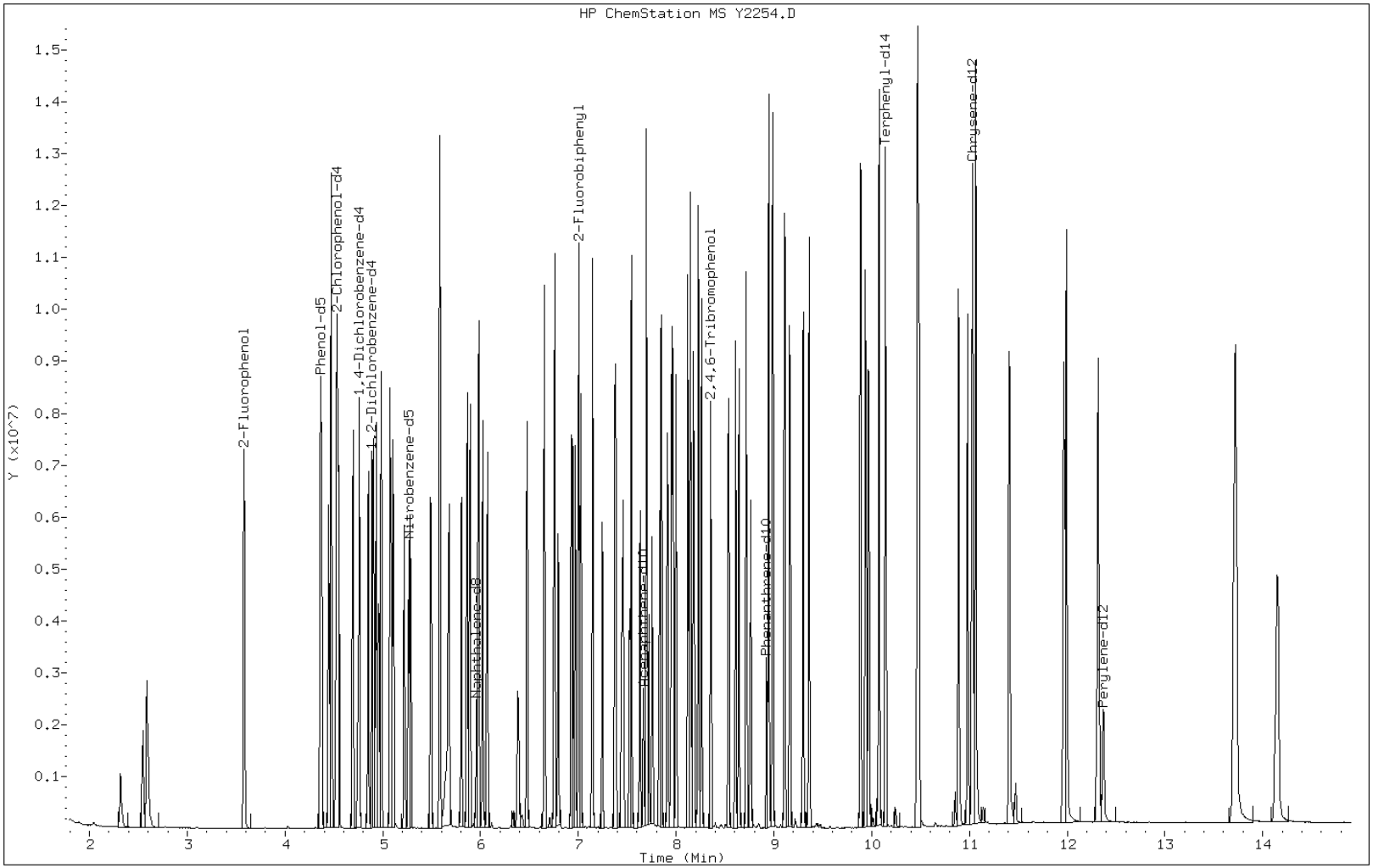
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: Y2254.D

Date: 15-AUG-2011 10:26

Client ID: Instrument: Y.i

Sample Info: IC-921006,,MS-HSL160 Operator: TINKHAMS



Manual Integration Report

Data File: Y2254.D
Inj. Date and Time: 15-AUG-2011 10:26
Instrument ID: Y.i
Client ID:
Compound: 67 Caprolactam
CAS #: 105-60-2
Report Date: 08/15/2011

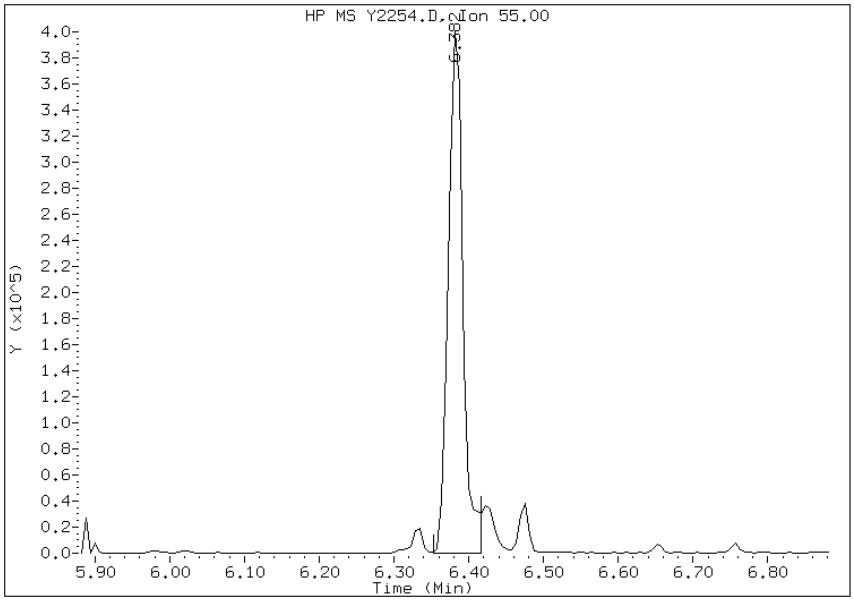
Processing Integration Results

RT: 6.38

Response: 541596

Amount: 0

Conc: 0



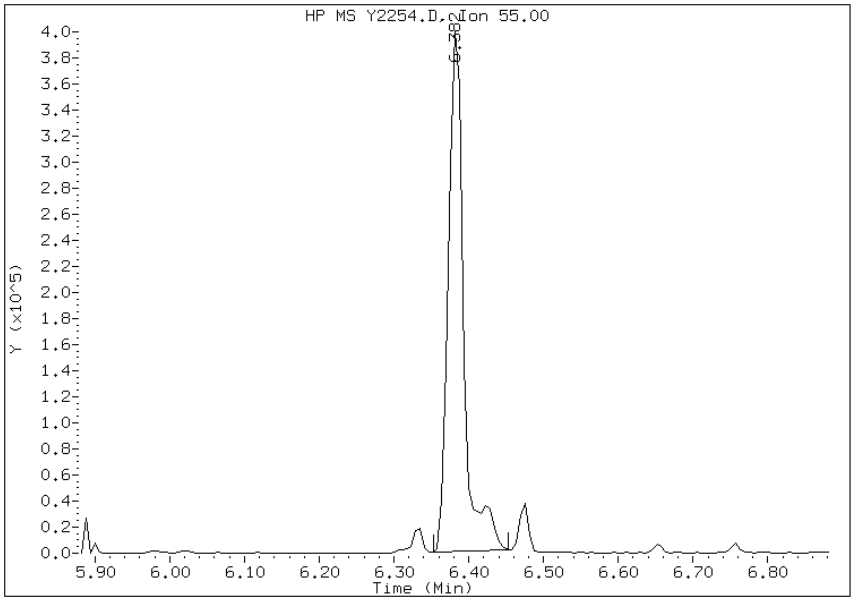
Manual Integration Results

RT: 6.38

Response: 568891

Amount: 166

Conc: 166



Manually Integrated By: tinkhams
Manual Integration Reason: Split Peak

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\Y.i\081511.b\Y2255.D
Lab Smp Id: IC-921005
Inj Date : 15-AUG-2011 10:47
Operator : TINKHAMS Inst ID: Y.i
Smp Info : IC-921005,,MS-HSL120
Misc Info :
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\Y.i\081511.b\8270C.m
Meth Date : 15-Aug-2011 18:12 Y.i Quant Type: ISTD
Cal Date : 15-AUG-2011 10:26 Cal File: Y2254.D
Als bottle: 4 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.745	4.745	(1.000)	231358	40.0000	
* 58 Naphthalene-d8	136	5.961	5.961	(1.000)	909448	40.0000	
* 96 Acenaphthene-d10	164	7.665	7.665	(1.000)	554380	40.0000	
* 135 Phenanthrene-d10	188	8.928	8.928	(1.000)	923556	40.0000	
* 166 Chrysene-d12	240	11.043	11.043	(1.000)	1035403	40.0000	
* 179 Perylene-d12	264	12.371	12.371	(1.000)	932688	40.0000	
$ 22 2-Chlorophenol-d4	132	4.539	4.539	(0.957)	1547169	180.000	179.502
$ 29 1,2-Dichlorobenzene-d4	152	4.892	4.892	(1.031)	716932	120.000	118.614
$ 8 2-Fluorophenol	112	3.581	3.581	(0.755)	1404930	180.000	179.134
$ 15 Phenol-d5	99	4.363	4.363	(0.920)	1792160	180.000	179.213
$ 43 Nitrobenzene-d5	82	5.268	5.268	(0.884)	1098578	120.000	122.628
$ 81 2-Fluorobiphenyl	172	7.007	7.007	(0.914)	2197109	120.000	119.960
$ 118 2,4,6-Tribromophenol	330	8.358	8.358	(1.090)	473638	180.000	197.301
$ 154 Terphenyl-d14	244	10.144	10.144	(0.919)	2512022	120.000	120.605
4 1,4-Dioxane	88	2.318	2.318	(0.489)	386463	120.000	113.759
5 N-Nitrosodimethylamine	74	2.547	2.547	(0.537)	599896	120.000	119.448
6 Pyridine	79	2.588	2.588	(0.546)	1073557	120.000	119.914
16 Phenol	94	4.374	4.374	(0.922)	1203740	120.000	118.639
18 Aniline	93	4.445	4.445	(0.937)	1488556	120.000	119.124
19 Methyl Styrene	118	4.474	4.474	(0.943)	1035750	120.000	119.080
20 Bis(2-chloroethyl) ether	93	4.474	4.474	(0.943)	891694	120.000	116.390
21 Decane	43	4.527	4.527	(0.954)	924436	120.000	116.020

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
23 2-Chlorophenol	128	4.551	4.551	(0.959)	1016696	120.000	118.290
25 1,3-Dichlorobenzene	146	4.692	4.692	(0.989)	1141183	120.000	117.650
27 1,4-Dichlorobenzene	146	4.762	4.762	(1.004)	1154847	120.000	117.582
28 Benzyl alcohol	108	4.850	4.850	(1.022)	636669	120.000	120.728
30 1,2-Dichlorobenzene	146	4.903	4.903	(1.033)	1092972	120.000	118.773
32 2-Methylphenol	108	4.933	4.933	(1.040)	922872	120.000	121.063
34 2,2'-oxybis(1-chloropropane)	45	4.956	4.956	(1.045)	1247383	120.000	117.963
35 1H-Indene	116	4.986	4.986	(1.051)	1563842	120.000	118.970
138 3-Methylphenol	108	5.074	5.074	(1.069)	975234	120.000	121.422
36 4-Methylphenol	108	5.074	5.074	(1.069)	975234	120.000	121.422
139 3 & 4-Methylphenol	108	5.074	5.074	(1.069)	975234	120.000	121.422
37 N-nitrosodi-n-propylamine	70	5.085	5.085	(1.072)	740894	120.000	120.937
38 Acetophenone	105	5.109	5.109	(1.077)	1352068	120.000	119.326
41 Hexachloroethane	117	5.221	5.221	(1.100)	443115	120.000	121.370
44 Nitrobenzene	77	5.285	5.285	(0.887)	1069947	120.000	120.984
47 Isophorone	82	5.491	5.491	(0.921)	1862050	120.000	123.105
50 2,4-Dimethylphenol	107	5.579	5.579	(0.936)	998724	120.000	120.832
49 2-Nitrophenol	139	5.585	5.585	(0.937)	557210	120.000	125.888
53 Benzoic acid	122	5.661	5.661	(0.950)	572183	120.000	125.917
52 Bis(2-chloroethoxy)methane	93	5.679	5.679	(0.953)	1095662	120.000	119.837
54 2,4-Dichlorophenol	162	5.802	5.802	(0.973)	850175	120.000	123.311
56 n-Dodecane	43	5.861	5.861	(0.765)	953648	120.000	119.686
57 1,2,4-Trichlorobenzene	180	5.890	5.890	(0.988)	954099	120.000	121.377
59 Naphthalene	128	5.978	5.978	(1.003)	2935481	120.000	118.988
60 4-Chloroaniline	127	6.025	6.025	(1.011)	1251556	120.000	121.243
62 Hexachlorobutadiene	225	6.072	6.072	(1.019)	540159	120.000	120.587
67 Caprolactam	55	6.378	6.378	(1.070)	420428	120.000	126.433
68 4-Chloro-3-methylphenol	107	6.472	6.472	(1.086)	902166	120.000	123.709
71 2-Methylnaphthalene	142	6.654	6.654	(1.116)	2021709	120.000	120.466
72 1-Methylnaphthalene	142	6.754	6.754	(1.133)	1929701	120.000	120.988
74 Hexachlorocyclopentadiene	237	6.795	6.795	(0.887)	582471	120.000	132.575
78 2,4,6-Trichlorophenol	196	6.930	6.930	(0.904)	612153	120.000	124.947
79 2,3-Dichlorobenzeneamine	161	6.942	6.942	(0.906)	1053089	120.000	121.163
80 2,4,5-Trichlorophenol	196	6.966	6.966	(0.909)	681705	120.000	125.882
83 Tetradecane	43	7.024	7.024	(0.916)	955160	120.000	120.294
86 2-Chloronaphthalene	162	7.148	7.148	(0.933)	1871772	120.000	119.613
88 2-Nitroaniline	65	7.248	7.248	(0.946)	599935	120.000	125.143
91 Dimethyl phthalate	163	7.383	7.383	(0.963)	2175080	120.000	121.122
93 2,6-Dinitrotoluene	165	7.459	7.459	(0.973)	512662	120.000	119.383
94 Acenaphthylene	152	7.541	7.541	(0.984)	3021159	120.000	122.196
95 3-Nitroaniline	138	7.629	7.629	(0.995)	570797	120.000	123.729
97 Acenaphthene	153	7.694	7.694	(1.004)	1954799	120.000	120.015
98 2,4-Dinitrophenol	184	7.718	7.718	(1.007)	289433	120.000	121.244
99 4-Nitrophenol	109	7.753	7.753	(1.011)	330222	120.000	126.217
101 2,4-Dinitrotoluene	165	7.829	7.829	(1.021)	675093	120.000	123.867
102 Dibenzofuran	168	7.847	7.847	(1.024)	2662547	120.000	119.038
105 Hexadecane	57	7.964	7.964	(1.039)	1169813	120.000	119.123
107 Diethyl phthalate	149	8.000	8.000	(1.044)	2140791	120.000	120.672
109 4-Chlorophenyl phenyl ether	204	8.123	8.123	(1.060)	1072678	120.000	120.175
110 Fluorene	166	8.147	8.147	(1.063)	2262106	120.000	120.622
112 4-Nitroaniline	138	8.176	8.176	(1.067)	572312	120.000	124.867
113 4,6-Dinitro-2-methylphenol	198	8.182	8.182	(0.916)	413815	120.000	128.874
115 N-nitrosodiphenylamine	169	8.229	8.229	(0.922)	1943039	120.000	120.419
116 Azobenzene	77	8.258	8.258	(1.077)	2182246	120.000	120.925

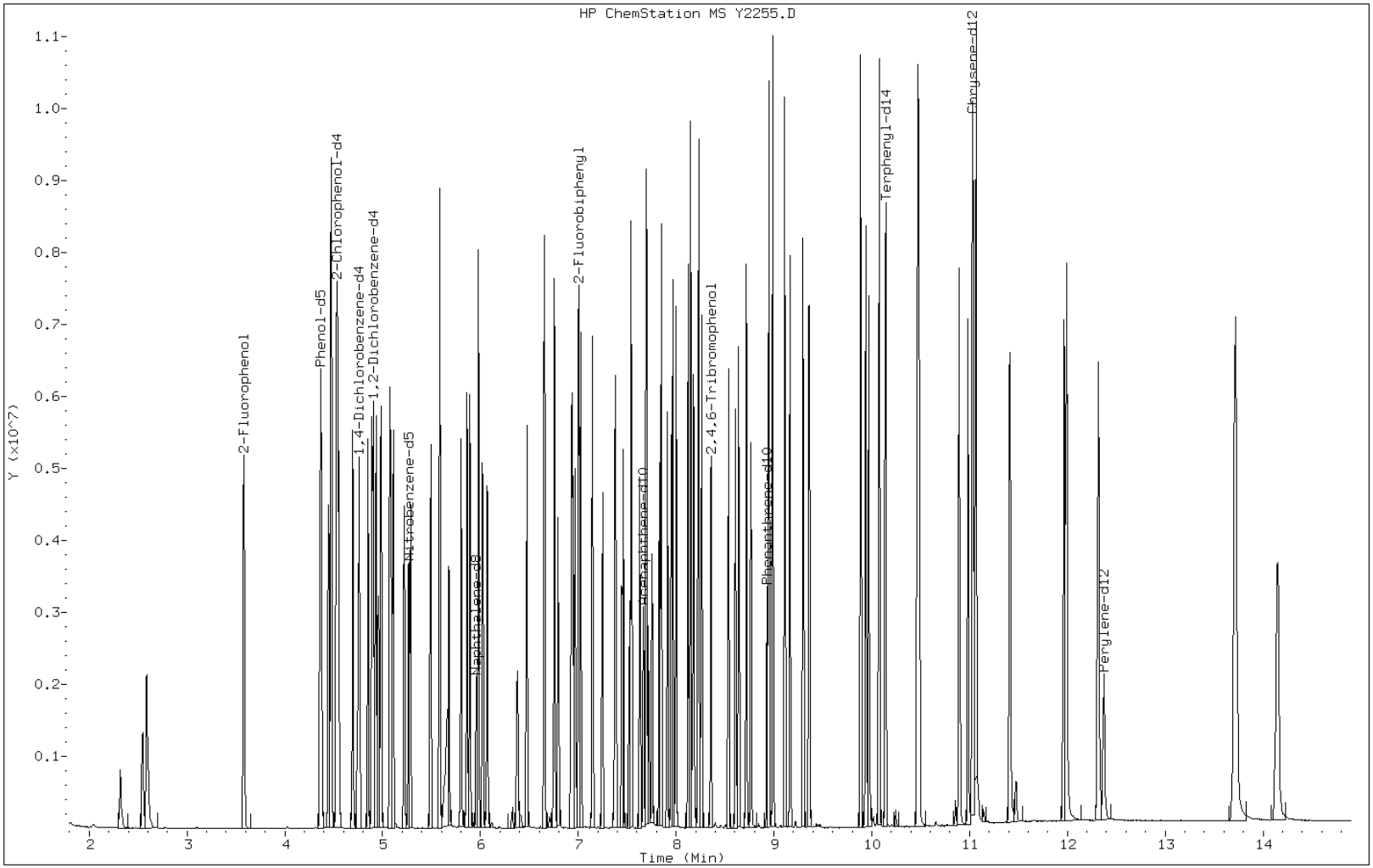
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
234 1,2-DPH(as Azobenzene)	77	8.258	8.258	(1.077)	2182246	121.317	122.252
242 2,4,6 - Tribromophenol	330	8.358	8.358	(1.090)	473638	180.000	197.301
124 4-Bromophenyl phenyl ether	248	8.534	8.534	(0.956)	623310	120.000	120.944
125 Hexachlorobenzene	284	8.611	8.611	(0.964)	664467	120.000	120.701
127 Atrazine	200	8.640	8.640	(0.968)	622264	120.000	123.528
128 n-Octadecane	85	8.716	8.716	(0.976)	533576	120.000	123.038
129 Pentachlorophenol	266	8.763	8.763	(0.982)	448038	120.000	127.536
136 Phenanthrene	178	8.946	8.946	(1.002)	3184012	120.000	120.103
137 Anthracene	178	8.987	8.987	(1.007)	3285621	120.000	123.352
140 Carbazole	167	9.110	9.110	(1.020)	3055763	120.000	122.226
141 Alachlor	188	9.163	9.163	(1.026)	450312	120.000	125.624
143 Di-n-butyl phthalate	149	9.298	9.298	(1.041)	3521229	120.000	127.908
144 n-Eicosane	43	9.357	9.357	(1.221)	972894	120.000	120.703
149 Fluoranthene	202	9.886	9.886	(1.107)	3504234	120.000	123.844
150 n-docosane	43	9.939	9.939	(1.297)	967124	120.000	123.490
151 Benzidine	184	9.968	9.968	(0.903)	2210462	120.000	125.014
152 Pyrene	202	10.074	10.074	(0.912)	3631798	120.000	122.367
158 Famphur	218	10.467	10.467	(0.948)	1170042	120.000	113.264
159 Butyl benzyl phthalate	149	10.485	10.485	(0.949)	1687391	120.000	127.177
162 Bis(2-ethylhexyl) phthalate	149	10.890	10.890	(0.986)	2194067	120.000	123.305
164 3 3'-Dichlorobenzidine	252	10.984	10.984	(0.995)	1282176	120.000	126.984
165 Benzo(a)anthracene	228	11.031	11.031	(0.999)	3436576	120.000	122.254
167 Chrysene	228	11.067	11.067	(1.002)	3432605	120.000	120.060
168 Di-n-octyl phthalate	149	11.413	11.413	(1.034)	3661647	120.000	125.316
171 Benzo(b)fluoranthene	252	11.966	11.966	(0.967)	3150236	120.000	115.790
172 Benzo(k)fluoranthene	252	11.995	11.995	(0.970)	4106786	120.000	133.077
178 Benzo(a)pyrene	252	12.318	12.318	(0.996)	3253984	120.000	130.196
185 Dibenz(a,h)anthracene	278	13.716	13.716	(1.109)	3007399	120.000	131.996
186 Indeno(1,2,3-cd)pyrene	276	13.722	13.722	(1.243)	3641313	120.000	130.476
188 Benzo(g,h,i)perylene	276	14.151	14.151	(1.144)	3038336	120.000	128.884

Data File: Y2255.D

Date: 15-AUG-2011 10:47

Client ID: Instrument: Y.i

Sample Info: IC-921005,,MS-HSL120 Operator: TINKHAMS



TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\Y.i\081511.b\Y2256.D
Lab Smp Id: ICIS-921004
Inj Date : 15-AUG-2011 11:07
Operator : TINKHAMS Inst ID: Y.i
Smp Info : ICIS-921004,,MS-HSL080
Misc Info :
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\Y.i\081511.b\8270C.m
Meth Date : 15-Aug-2011 18:12 Y.i Quant Type: ISTD
Cal Date : 15-AUG-2011 10:47 Cal File: Y2255.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.744	4.744	(1.000)	225723	40.0000	
* 58 Naphthalene-d8	136	5.955	5.955	(1.000)	884000	40.0000	
* 96 Acenaphthene-d10	164	7.665	7.665	(1.000)	536228	40.0000	
* 135 Phenanthrene-d10	188	8.928	8.928	(1.000)	892215	40.0000	
* 166 Chrysene-d12	240	11.037	11.037	(1.000)	1017471	40.0000	
* 179 Perylene-d12	264	12.359	12.359	(1.000)	922516	40.0000	
$ 22 2-Chlorophenol-d4	132	4.533	4.533	(0.955)	1023510	120.000	121.712
$ 29 1,2-Dichlorobenzene-d4	152	4.891	4.891	(1.031)	475757	80.0000	80.6778
$ 8 2-Fluorophenol	112	3.581	3.581	(0.755)	936660	120.000	122.410
$ 15 Phenol-d5	99	4.363	4.363	(0.920)	1184398	120.000	121.394
$ 43 Nitrobenzene-d5	82	5.261	5.261	(0.884)	715276	80.0000	82.1408
$ 81 2-Fluorobiphenyl	172	7.007	7.007	(0.914)	1437588	80.0000	81.1481
$ 118 2,4,6-Tribromophenol	330	8.358	8.358	(1.090)	300745	120.000	129.520
$ 154 Terphenyl-d14	244	10.138	10.138	(0.919)	1641341	80.0000	80.1918
4 1,4-Dioxane	88	2.318	2.318	(0.489)	260879	80.0000	78.7094
5 N-Nitrosodimethylamine	74	2.541	2.541	(0.536)	396731	80.0000	80.9673
6 Pyridine	79	2.588	2.588	(0.546)	709718	80.0000	81.2528
16 Phenol	94	4.374	4.374	(0.922)	796778	80.0000	80.4900
18 Aniline	93	4.445	4.445	(0.937)	987848	80.0000	81.0274
19 Methyl Styrene	118	4.468	4.468	(0.942)	692374	80.0000	81.5896
20 Bis(2-chloroethyl) ether	93	4.474	4.474	(0.943)	588134	80.0000	78.6834
21 Decane	43	4.527	4.527	(0.954)	624672	80.0000	80.3556

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
23 2-Chlorophenol	128	4.551	4.551	(0.959)	671161	80.0000	80.0375
25 1,3-Dichlorobenzene	146	4.692	4.692	(0.989)	758431	80.0000	80.1420
27 1,4-Dichlorobenzene	146	4.762	4.762	(1.004)	765449	80.0000	79.8803
28 Benzyl alcohol	108	4.850	4.850	(1.022)	420389	80.0000	81.7060
30 1,2-Dichlorobenzene	146	4.903	4.903	(1.033)	731572	80.0000	81.4847
32 2-Methylphenol	108	4.932	4.932	(1.040)	603049	80.0000	81.0831
34 2,2'-oxybis(1-chloropropane)	45	4.956	4.956	(1.045)	824429	80.0000	79.9110
35 1H-Indene	116	4.985	4.985	(1.051)	1033167	80.0000	80.5605
138 3-Methylphenol	108	5.073	5.073	(1.069)	637382	80.0000	81.3384
36 4-Methylphenol	108	5.073	5.073	(1.069)	637382	80.0000	81.3384
139 3 & 4-Methylphenol	108	5.073	5.073	(1.069)	637382	80.0000	81.3384
37 N-nitrosodi-n-propylamine	70	5.085	5.085	(1.072)	488391	80.0000	81.7107
38 Acetophenone	105	5.109	5.109	(1.077)	892142	80.0000	80.7008
41 Hexachloroethane	117	5.220	5.220	(1.100)	291697	80.0000	81.8911
44 Nitrobenzene	77	5.285	5.285	(0.888)	714140	80.0000	83.0762
47 Isophorone	82	5.491	5.491	(0.922)	1212142	80.0000	82.4446
50 2,4-Dimethylphenol	107	5.579	5.579	(0.937)	664245	80.0000	82.6780
49 2-Nitrophenol	139	5.585	5.585	(0.938)	361239	80.0000	83.9629
53 Benzoic acid	122	5.649	5.649	(0.949)	349681	80.0000	82.4567
52 Bis(2-chloroethoxy)methane	93	5.673	5.673	(0.953)	728494	80.0000	81.9718
54 2,4-Dichlorophenol	162	5.802	5.802	(0.974)	551052	80.0000	82.2262
56 n-Dodecane	43	5.861	5.861	(0.765)	636520	80.0000	82.5894
57 1,2,4-Trichlorobenzene	180	5.890	5.890	(0.989)	631422	80.0000	82.6394
59 Naphthalene	128	5.978	5.978	(1.004)	1962926	80.0000	81.8564
60 4-Chloroaniline	127	6.019	6.019	(1.011)	818165	80.0000	81.5405
62 Hexachlorobutadiene	225	6.072	6.072	(1.020)	355612	80.0000	81.6734
67 Caprolactam	55	6.366	6.366	(1.069)	277459	80.0000	85.8410
68 4-Chloro-3-methylphenol	107	6.472	6.472	(1.087)	587741	80.0000	82.9136
71 2-Methylnaphthalene	142	6.654	6.654	(1.117)	1347448	80.0000	82.6010
72 1-Methylnaphthalene	142	6.754	6.754	(1.134)	1271000	80.0000	81.9830
74 Hexachlorocyclopentadiene	237	6.795	6.795	(0.887)	363166	80.0000	85.4575
78 2,4,6-Trichlorophenol	196	6.930	6.930	(0.904)	395940	80.0000	83.5516
79 2,3-Dichlorobenzeneamine	161	6.942	6.942	(0.906)	687051	80.0000	81.7245
80 2,4,5-Trichlorophenol	196	6.965	6.965	(0.909)	434996	80.0000	83.0448
83 Tetradecane	43	7.024	7.024	(0.916)	628290	80.0000	81.8063
86 2-Chloronaphthalene	162	7.142	7.142	(0.932)	1237746	80.0000	81.7740
88 2-Nitroaniline	65	7.247	7.247	(0.946)	387696	80.0000	83.6090
91 Dimethyl phthalate	163	7.377	7.377	(0.962)	1438134	80.0000	82.7950
93 2,6-Dinitrotoluene	165	7.459	7.459	(0.973)	335157	80.0000	80.6894
94 Acenaphthylene	152	7.541	7.541	(0.984)	2020678	80.0000	84.4964
95 3-Nitroaniline	138	7.629	7.629	(0.995)	375840	80.0000	84.2267
97 Acenaphthene	153	7.694	7.694	(1.004)	1301238	80.0000	82.5942
98 2,4-Dinitrophenol	184	7.717	7.717	(1.007)	173457	80.0000	79.5342
99 4-Nitrophenol	109	7.753	7.753	(1.011)	221530	80.0000	87.5390
101 2,4-Dinitrotoluene	165	7.829	7.829	(1.021)	449727	80.0000	85.3099
102 Dibenzofuran	168	7.847	7.847	(1.024)	1757209	80.0000	81.2215
105 Hexadecane	57	7.964	7.964	(1.039)	784566	80.0000	82.5976
107 Diethyl phthalate	149	7.999	7.999	(1.044)	1409951	80.0000	82.1666
109 4-Chlorophenyl phenyl ether	204	8.123	8.123	(1.060)	704664	80.0000	81.6178
110 Fluorene	166	8.146	8.146	(1.063)	1506751	80.0000	83.0642
112 4-Nitroaniline	138	8.170	8.170	(1.066)	376318	80.0000	84.8847
113 4,6-Dinitro-2-methylphenol	198	8.182	8.182	(0.916)	257190	80.0000	82.9097
115 N-nitrosodiphenylamine	169	8.229	8.229	(0.922)	1284145	80.0000	82.3802
116 Azobenzene	77	8.258	8.258	(1.077)	1460433	80.0000	83.6665

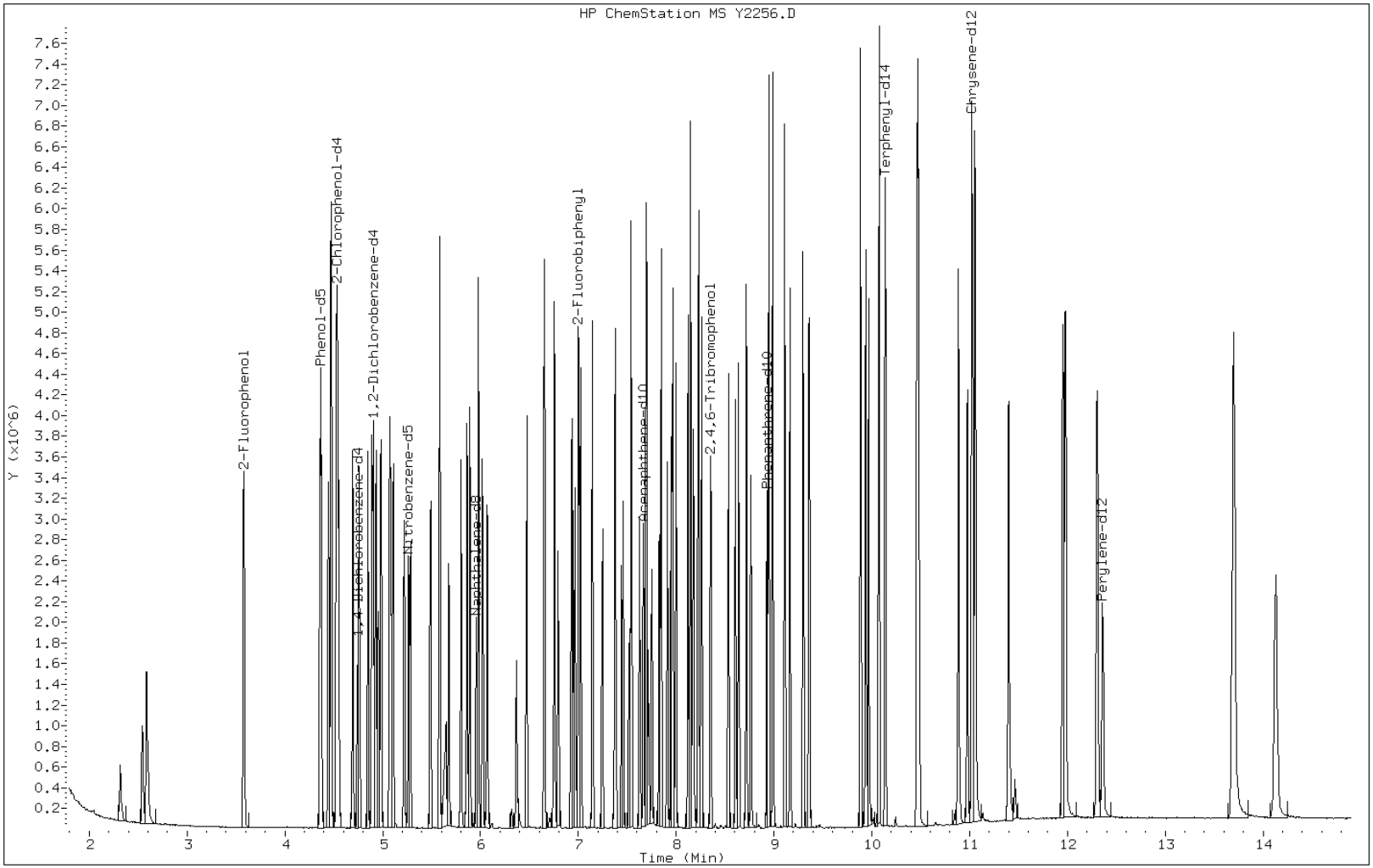
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
234 1,2-DPH(as Azobenzene)	77	8.258	8.258	(1.077)	1460433	80.8780	84.5847
242 2,4,6 - Tribromophenol	330	8.358	8.358	(1.090)	300745	120.000	129.520
124 4-Bromophenyl phenyl ether	248	8.534	8.534	(0.956)	411279	80.0000	82.6057
125 Hexachlorobenzene	284	8.605	8.605	(0.964)	432684	80.0000	81.3581
127 Atrazine	200	8.640	8.640	(0.968)	406827	80.0000	83.5974
128 n-Octadecane	85	8.716	8.716	(0.976)	347103	80.0000	82.8506
129 Pentachlorophenol	266	8.763	8.763	(0.982)	279094	80.0000	82.2362
136 Phenanthrene	178	8.945	8.945	(1.002)	2135641	80.0000	83.3877
137 Anthracene	178	8.987	8.987	(1.007)	2170887	80.0000	84.3646
140 Carbazole	167	9.110	9.110	(1.020)	2015643	80.0000	83.4551
141 Alachlor	188	9.163	9.163	(1.026)	294839	80.0000	85.1410
143 Di-n-butyl phthalate	149	9.298	9.298	(1.041)	2335342	80.0000	87.8105
144 n-Eicosane	43	9.357	9.357	(1.221)	647343	80.0000	83.0317
149 Fluoranthene	202	9.885	9.885	(1.107)	2328772	80.0000	85.1929
150 n-docosane	43	9.938	9.938	(1.297)	652175	80.0000	86.0942
151 Benzidine	184	9.968	9.968	(0.903)	1447010	80.0000	83.2788
152 Pyrene	202	10.074	10.074	(0.913)	2406759	80.0000	82.5205
158 Famphur	218	10.461	10.461	(0.948)	819742	80.0000	81.1758
159 Butyl benzyl phthalate	149	10.479	10.479	(0.949)	1104963	80.0000	84.7474
162 Bis(2-ethylhexyl) phthalate	149	10.884	10.884	(0.986)	1423238	80.0000	82.1982
164 3 3'-Dichlorobenzidine	252	10.978	10.978	(0.995)	842329	80.0000	84.8928
165 Benzo(a)anthracene	228	11.025	11.025	(0.999)	2291029	80.0000	82.9383
167 Chrysene	228	11.055	11.055	(1.002)	2285021	80.0000	81.3299
168 Di-n-octyl phthalate	149	11.401	11.401	(1.033)	2348610	80.0000	82.7314
171 Benzo(b)fluoranthene	252	11.954	11.954	(0.967)	2136821	80.0000	79.4069
172 Benzo(k)fluoranthene	252	11.983	11.983	(0.970)	2652561	80.0000	86.9017
178 Benzo(a)pyrene	252	12.306	12.306	(0.996)	2152019	80.0000	87.0541
185 Dibenz(a,h)anthracene	278	13.699	13.699	(1.108)	1967045	80.0000	87.2867
186 Indeno(1,2,3-cd)pyrene	276	13.705	13.705	(1.242)	2387232	80.0000	87.0475
188 Benzo(g,h,i)perylene	276	14.133	14.133	(1.144)	1995220	80.0000	85.5688

Data File: Y2256.D

Date: 15-AUG-2011 11:07

Client ID: Instrument: Y.i

Sample Info: ICIS-921004,,MS-HSL080 Operator: TINKHAMS



TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\Y.i\081511.b\Y2257.D
Lab Smp Id: IC-921003
Inj Date : 15-AUG-2011 11:28
Operator : TINKHAMS Inst ID: Y.i
Smp Info : IC-921003,,MS-HSL050
Misc Info :
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\Y.i\081511.b\8270C.m
Meth Date : 15-Aug-2011 18:12 Y.i Quant Type: ISTD
Cal Date : 15-AUG-2011 11:07 Cal File: Y2256.D
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.745	4.745	(1.000)	220220	40.0000	
* 58 Naphthalene-d8	136	5.956	5.956	(1.000)	887765	40.0000	
* 96 Acenaphthene-d10	164	7.665	7.665	(1.000)	534543	40.0000	
* 135 Phenanthrene-d10	188	8.929	8.929	(1.000)	904956	40.0000	
* 166 Chrysene-d12	240	11.014	11.014	(1.000)	995494	40.0000	
* 179 Perylene-d12	264	12.336	12.336	(1.000)	909939	40.0000	
$ 22 2-Chlorophenol-d4	132	4.534	4.534	(0.955)	629786	75.0000	76.7632
$ 29 1,2-Dichlorobenzene-d4	152	4.892	4.892	(1.031)	290968	50.0000	50.5747
$ 8 2-Fluorophenol	112	3.582	3.582	(0.755)	570833	75.0000	76.4648
$ 15 Phenol-d5	99	4.363	4.363	(0.920)	733224	75.0000	77.0295
$ 43 Nitrobenzene-d5	82	5.262	5.262	(0.884)	441516	50.0000	50.4877
$ 81 2-Fluorobiphenyl	172	7.001	7.001	(0.913)	905683	50.0000	51.2846
$ 118 2,4,6-Tribromophenol	330	8.359	8.359	(1.090)	181471	75.0000	78.3996
$ 154 Terphenyl-d14	244	10.133	10.133	(0.920)	1029925	50.0000	51.4304
4 1,4-Dioxane	88	2.319	2.319	(0.489)	158293	50.0000	48.9517
5 N-Nitrosodimethylamine	74	2.542	2.542	(0.536)	244529	50.0000	51.1520
6 Pyridine	79	2.589	2.589	(0.546)	431667	50.0000	50.6548
16 Phenol	94	4.375	4.375	(0.922)	497737	50.0000	51.5375
18 Aniline	93	4.446	4.446	(0.937)	604593	50.0000	50.8305
19 Methyl Styrene	118	4.469	4.469	(0.942)	426571	50.0000	51.5234
20 Bis(2-chloroethyl) ether	93	4.475	4.475	(0.943)	385645	50.0000	52.8827
21 Decane	43	4.522	4.522	(0.953)	386547	50.0000	50.9666

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
23 2-Chlorophenol	128	4.551	4.551	(0.959)	419874	50.0000	51.3222
25 1,3-Dichlorobenzene	146	4.692	4.692	(0.989)	467486	50.0000	50.6328
27 1,4-Dichlorobenzene	146	4.757	4.757	(1.002)	478279	50.0000	51.1592
28 Benzyl alcohol	108	4.851	4.851	(1.022)	258375	50.0000	51.4721
30 1,2-Dichlorobenzene	146	4.904	4.904	(1.033)	445892	50.0000	50.9058
32 2-Methylphenol	108	4.927	4.927	(1.038)	371283	50.0000	51.1684
34 2,2'-oxybis(1-chloropropane)	45	4.957	4.957	(1.045)	512361	50.0000	50.9036
35 1H-Indene	116	4.986	4.986	(1.051)	638225	50.0000	51.0087
138 3-Methylphenol	108	5.068	5.068	(1.068)	388414	50.0000	50.8054
36 4-Methylphenol	108	5.068	5.068	(1.068)	388414	50.0000	50.8054
139 3 & 4-Methylphenol	108	5.068	5.068	(1.068)	388414	50.0000	50.8054
37 N-nitrosodi-n-propylamine	70	5.080	5.080	(1.071)	295233	50.0000	50.6285
38 Acetophenone	105	5.104	5.104	(1.076)	553900	50.0000	51.3563
41 Hexachloroethane	117	5.221	5.221	(1.100)	181240	50.0000	52.1528
44 Nitrobenzene	77	5.280	5.280	(0.887)	436972	50.0000	50.6176
47 Isophorone	82	5.486	5.486	(0.921)	753982	50.0000	51.0651
50 2,4-Dimethylphenol	107	5.580	5.580	(0.937)	413292	50.0000	51.2239
49 2-Nitrophenol	139	5.585	5.585	(0.938)	219188	50.0000	50.7299
53 Benzoic acid	122	5.632	5.632	(0.946)	196060	50.0000	49.9493
52 Bis(2-chloroethoxy)methane	93	5.674	5.674	(0.953)	448853	50.0000	50.2918
54 2,4-Dichlorophenol	162	5.803	5.803	(0.974)	338355	50.0000	50.2741
56 n-Dodecane	43	5.862	5.862	(0.765)	395067	50.0000	51.4221
57 1,2,4-Trichlorobenzene	180	5.891	5.891	(0.989)	378925	50.0000	49.3827
59 Naphthalene	128	5.979	5.979	(1.004)	1228129	50.0000	50.9973
60 4-Chloroaniline	127	6.020	6.020	(1.011)	506104	50.0000	50.2258
62 Hexachlorobutadiene	225	6.067	6.067	(1.019)	219633	50.0000	50.2292
67 Caprolactam	55	6.361	6.361	(1.068)	166512	50.0000	51.2974
68 4-Chloro-3-methylphenol	107	6.473	6.473	(1.087)	362072	50.0000	50.8615
71 2-Methylnaphthalene	142	6.655	6.655	(1.117)	833356	50.0000	50.8696
72 1-Methylnaphthalene	142	6.755	6.755	(1.134)	798444	50.0000	51.2834
74 Hexachlorocyclopentadiene	237	6.796	6.796	(0.887)	214479	50.0000	50.6287
78 2,4,6-Trichlorophenol	196	6.931	6.931	(0.904)	242606	50.0000	51.3563
79 2,3-Dichlorobenzeneamine	161	6.943	6.943	(0.906)	427079	50.0000	50.9610
80 2,4,5-Trichlorophenol	196	6.966	6.966	(0.909)	268595	50.0000	51.4389
83 Tetradecane	43	7.025	7.025	(0.916)	399603	50.0000	52.1942
86 2-Chloronaphthalene	162	7.142	7.142	(0.932)	764133	50.0000	50.6430
88 2-Nitroaniline	65	7.242	7.242	(0.945)	237809	50.0000	51.4466
91 Dimethyl phthalate	163	7.378	7.378	(0.962)	888582	50.0000	51.3179
93 2,6-Dinitrotoluene	165	7.460	7.460	(0.973)	209704	50.0000	50.6456
94 Acenaphthylene	152	7.542	7.542	(0.984)	1246870	50.0000	52.3033
95 3-Nitroaniline	138	7.624	7.624	(0.995)	230066	50.0000	51.7209
97 Acenaphthene	153	7.695	7.695	(1.004)	805310	50.0000	51.2770
98 2,4-Dinitrophenol	184	7.718	7.718	(1.007)	94608	50.0000	48.7704
99 4-Nitrophenol	109	7.754	7.754	(1.011)	131561	50.0000	52.1510
101 2,4-Dinitrotoluene	165	7.824	7.824	(1.021)	270597	50.0000	51.4921
102 Dibenzofuran	168	7.848	7.848	(1.024)	1113311	50.0000	51.6215
105 Hexadecane	57	7.965	7.965	(1.039)	488982	50.0000	51.6414
107 Diethyl phthalate	149	7.994	7.994	(1.043)	888429	50.0000	51.9375
109 4-Chlorophenyl phenyl ether	204	8.124	8.124	(1.060)	437614	50.0000	50.8465
110 Fluorene	166	8.147	8.147	(1.063)	941913	50.0000	52.0895
112 4-Nitroaniline	138	8.171	8.171	(1.066)	230257	50.0000	52.1020
113 4,6-Dinitro-2-methylphenol	198	8.177	8.177	(0.916)	147933	50.0000	47.0174
115 N-nitrosodiphenylamine	169	8.224	8.224	(0.921)	803674	50.0000	50.8313
116 Azobenzene	77	8.259	8.259	(1.077)	923900	50.0000	53.0960

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
234 1,2-DPH(as Azobenzene)	77	8.259	8.259	(1.077)	923900	50.5487	53.6787
242 2,4,6 - Tribromophenol	330	8.359	8.359	(1.090)	181471	75.0000	78.3996
124 4-Bromophenyl phenyl ether	248	8.535	8.535	(0.956)	252141	50.0000	49.9297
125 Hexachlorobenzene	284	8.605	8.605	(0.964)	269187	50.0000	49.9030
127 Atrazine	200	8.641	8.641	(0.968)	248848	50.0000	50.4149
128 n-Octadecane	85	8.717	8.717	(0.976)	213506	50.0000	50.2446
129 Pentachlorophenol	266	8.764	8.764	(0.982)	163006	50.0000	47.3542
136 Phenanthrene	178	8.946	8.946	(1.002)	1318895	50.0000	50.7722
137 Anthracene	178	8.987	8.987	(1.007)	1350090	50.0000	51.7282
140 Carbazole	167	9.111	9.111	(1.020)	1281724	50.0000	52.3210
141 Alachlor	188	9.164	9.164	(1.026)	177414	50.0000	50.5107
143 Di-n-butyl phthalate	149	9.299	9.299	(1.041)	1441941	50.0000	53.4546
144 n-Eicosane	43	9.358	9.358	(1.221)	404880	50.0000	52.0958
149 Fluoranthene	202	9.880	9.880	(1.107)	1448866	50.0000	52.2572
150 n-docosane	43	9.927	9.927	(1.295)	404336	50.0000	53.5450
151 Benzidine	184	9.963	9.963	(0.905)	847080	50.0000	49.8277
152 Pyrene	202	10.068	10.068	(0.914)	1488984	50.0000	52.1798
158 Famphur	218	10.450	10.450	(0.949)	527734	50.0000	53.9180
159 Butyl benzyl phthalate	149	10.468	10.468	(0.950)	692435	50.0000	54.2802
162 Bis(2-ethylhexyl) phthalate	149	10.868	10.868	(0.987)	849664	50.0000	51.0769
164 3 3'-Dichlorobenzidine	252	10.956	10.956	(0.995)	505906	50.0000	52.1125
165 Benzo(a)anthracene	228	11.003	11.003	(0.999)	1393602	50.0000	51.5640(H)
167 Chrysene	228	11.038	11.038	(1.002)	1426896	50.0000	51.9082
168 Di-n-octyl phthalate	149	11.373	11.373	(1.033)	1363115	50.0000	50.1734
171 Benzo(b)fluoranthene	252	11.931	11.931	(0.967)	1418217	50.0000	53.4311(H)
172 Benzo(k)fluoranthene	252	11.954	11.954	(0.969)	1497929	50.0000	49.7526
178 Benzo(a)pyrene	252	12.278	12.278	(0.995)	1291803	50.0000	52.9787
185 Dibenz(a,h)anthracene	278	13.664	13.664	(1.108)	1158269	50.0000	52.1080
186 Indeno(1,2,3-cd)pyrene	276	13.670	13.670	(1.241)	1425596	50.0000	53.1302
188 Benzo(g,h,i)perylene	276	14.099	14.099	(1.143)	1186379	50.0000	51.5834

QC Flag Legend

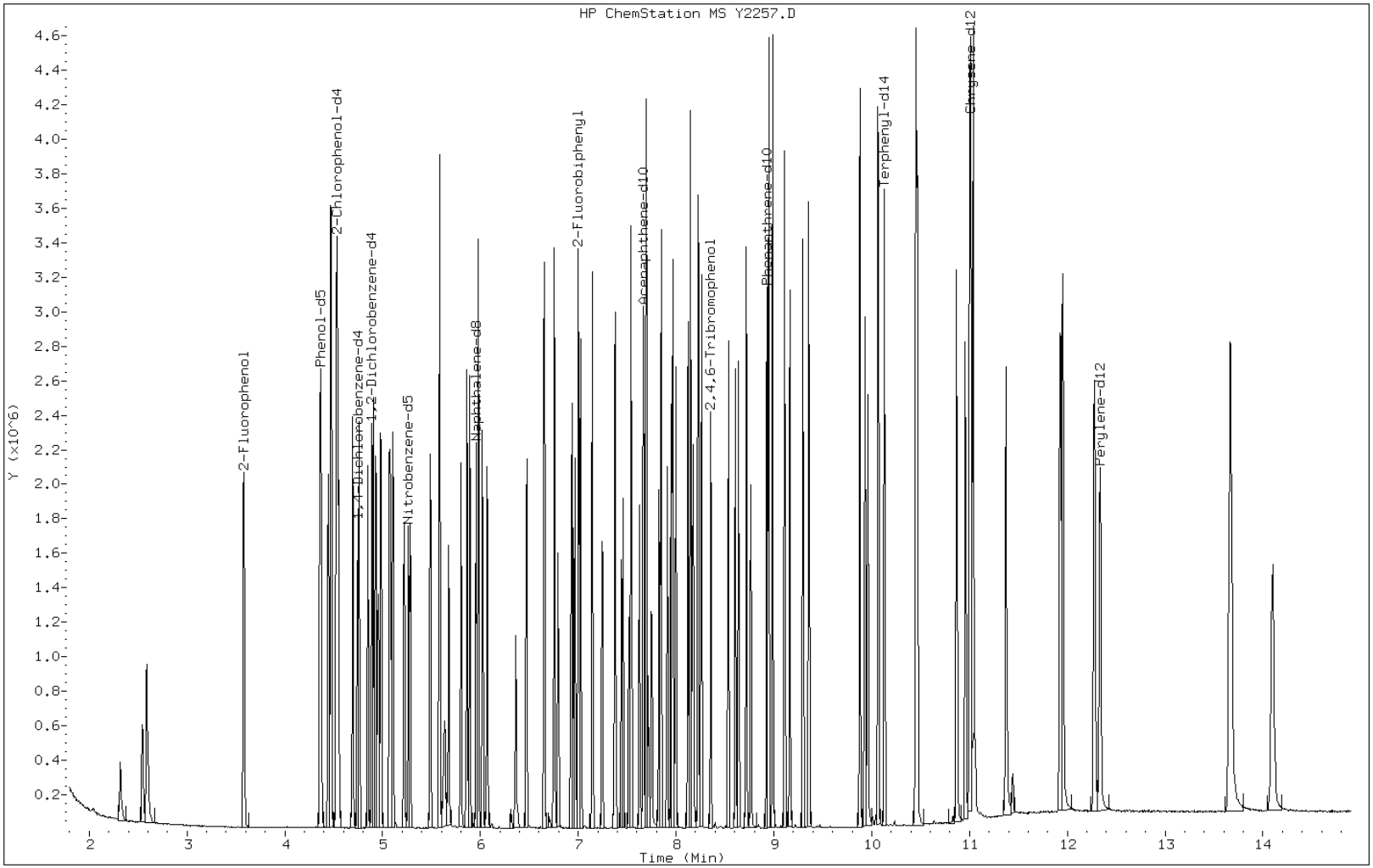
H - Operator selected an alternate compound hit.

Data File: Y2257.D

Date: 15-AUG-2011 11:28

Client ID: Instrument: Y.i

Sample Info: IC-921003,,MS-HSL050 Operator: TINKHAMS



TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\Y.i\081511.b\Y2258.D
Lab Smp Id: IC-921002
Inj Date : 15-AUG-2011 11:49
Operator : TINKHAMS Inst ID: Y.i
Smp Info : IC-921002,,MS-HSL020
Misc Info :
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\Y.i\081511.b\8270C.m
Meth Date : 15-Aug-2011 18:12 Y.i Quant Type: ISTD
Cal Date : 15-AUG-2011 11:28 Cal File: Y2257.D
Als bottle: 7 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.743	4.743	(1.000)	217335	40.0000	
* 58 Naphthalene-d8	136	5.959	5.959	(1.000)	872766	40.0000	
* 96 Acenaphthene-d10	164	7.663	7.663	(1.000)	524158	40.0000	
* 135 Phenanthrene-d10	188	8.926	8.926	(1.000)	873502	40.0000	
* 166 Chrysene-d12	240	11.024	11.024	(1.000)	990688	40.0000	
* 179 Perylene-d12	264	12.346	12.346	(1.000)	892092	40.0000	
$ 22 2-Chlorophenol-d4	132	4.537	4.537	(0.957)	243518	30.0000	30.0759
$ 29 1,2-Dichlorobenzene-d4	152	4.890	4.890	(1.031)	114268	20.0000	20.1252
$ 8 2-Fluorophenol	112	3.579	3.579	(0.755)	220664	30.0000	29.9510
$ 15 Phenol-d5	99	4.361	4.361	(0.919)	282971	30.0000	30.1224
$ 43 Nitrobenzene-d5	82	5.266	5.266	(0.884)	167716	20.0000	19.5081
$ 81 2-Fluorobiphenyl	172	7.005	7.005	(0.914)	353405	20.0000	20.4082
$ 118 2,4,6-Tribromophenol	330	8.356	8.356	(1.090)	66868	30.0000	29.4609
$ 154 Terphenyl-d14	244	10.136	10.136	(0.920)	403614	20.0000	20.2527
4 1,4-Dioxane	88	2.316	2.316	(0.488)	65369	20.0000	20.4836
5 N-Nitrosodimethylamine	74	2.545	2.545	(0.537)	92193	20.0000	19.5415
6 Pyridine	79	2.586	2.586	(0.545)	167635	20.0000	19.9326
16 Phenol	94	4.373	4.373	(0.922)	193846	20.0000	20.3380
18 Aniline	93	4.443	4.443	(0.937)	234563	20.0000	19.9824
19 Methyl Styrene	118	4.472	4.472	(0.943)	164085	20.0000	20.0821
20 Bis(2-chloroethyl) ether	93	4.472	4.472	(0.943)	143514	20.0000	19.9410
21 Decane	43	4.525	4.525	(0.954)	154112	20.0000	20.5896

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
23 2-Chlorophenol	128	4.549	4.549	(0.959)	162794	20.0000	20.1628
25 1,3-Dichlorobenzene	146	4.696	4.696	(0.990)	183864	20.0000	20.1784
27 1,4-Dichlorobenzene	146	4.760	4.760	(1.004)	185300	20.0000	20.0838
28 Benzyl alcohol	108	4.849	4.849	(1.022)	96428	20.0000	19.4649
30 1,2-Dichlorobenzene	146	4.907	4.907	(1.035)	175742	20.0000	20.3301
32 2-Methylphenol	108	4.931	4.931	(1.040)	143372	20.0000	20.0211
34 2,2'-oxybis(1-chloropropane)	45	4.954	4.954	(1.045)	199977	20.0000	20.1316
35 1H-Indene	116	4.984	4.984	(1.051)	247789	20.0000	20.0669
138 3-Methylphenol	108	5.072	5.072	(1.069)	148568	20.0000	19.6910
36 4-Methylphenol	108	5.072	5.072	(1.069)	148568	20.0000	19.6910
139 3 & 4-Methylphenol	108	5.072	5.072	(1.069)	148568	20.0000	19.6910
37 N-nitrosodi-n-propylamine	70	5.084	5.084	(1.072)	115592	20.0000	20.0856
38 Acetophenone	105	5.107	5.107	(1.077)	213385	20.0000	20.0472
41 Hexachloroethane	117	5.219	5.219	(1.100)	68432	20.0000	19.9531
44 Nitrobenzene	77	5.283	5.283	(0.887)	166430	20.0000	19.6101
47 Isophorone	82	5.489	5.489	(0.921)	285887	20.0000	19.6951
50 2,4-Dimethylphenol	107	5.577	5.577	(0.936)	159406	20.0000	20.0965
49 2-Nitrophenol	139	5.583	5.583	(0.937)	80114	20.0000	18.8606
53 Benzoic acid	122	5.618	5.618	(0.943)	51684	20.0000	19.8776
52 Bis(2-chloroethoxy)methane	93	5.677	5.677	(0.953)	176005	20.0000	20.0594
54 2,4-Dichlorophenol	162	5.800	5.800	(0.973)	125828	20.0000	19.0173
56 n-Dodecane	43	5.865	5.865	(0.765)	153727	20.0000	20.4056
57 1,2,4-Trichlorobenzene	180	5.894	5.894	(0.989)	149422	20.0000	19.8078
59 Naphthalene	128	5.977	5.977	(1.003)	479989	20.0000	20.2738
60 4-Chloroaniline	127	6.024	6.024	(1.011)	197298	20.0000	19.9163
62 Hexachlorobutadiene	225	6.071	6.071	(1.019)	85126	20.0000	19.8025
67 Caprolactam	55	6.353	6.353	(1.066)	58290	20.0000	18.2660
68 4-Chloro-3-methylphenol	107	6.470	6.470	(1.086)	131686	20.0000	18.8163
71 2-Methylnaphthalene	142	6.652	6.652	(1.116)	327322	20.0000	20.3237
72 1-Methylnaphthalene	142	6.758	6.758	(1.134)	306035	20.0000	19.9942
74 Hexachlorocyclopentadiene	237	6.793	6.793	(0.887)	72629	20.0000	17.4840
78 2,4,6-Trichlorophenol	196	6.928	6.928	(0.904)	88007	20.0000	18.9990
79 2,3-Dichlorobenzeneamine	161	6.940	6.940	(0.906)	165362	20.0000	20.1227
80 2,4,5-Trichlorophenol	196	6.970	6.970	(0.910)	97519	20.0000	19.0460
83 Tetradecane	43	7.022	7.022	(0.916)	151534	20.0000	20.1848
86 2-Chloronaphthalene	162	7.146	7.146	(0.933)	300801	20.0000	20.3306
88 2-Nitroaniline	65	7.246	7.246	(0.946)	86684	20.0000	19.1244
91 Dimethyl phthalate	163	7.375	7.375	(0.962)	348377	20.0000	20.5183
93 2,6-Dinitrotoluene	165	7.457	7.457	(0.973)	77875	20.0000	19.1802
94 Acenaphthylene	152	7.539	7.539	(0.984)	483233	20.0000	20.6721
95 3-Nitroaniline	138	7.628	7.628	(0.995)	83436	20.0000	19.1288
97 Acenaphthene	153	7.698	7.698	(1.005)	314505	20.0000	20.4224
98 2,4-Dinitrophenol	184	7.722	7.722	(1.008)	21367	20.0000	20.1621
99 4-Nitrophenol	109	7.751	7.751	(1.012)	45982	20.0000	18.5885
101 2,4-Dinitrotoluene	165	7.827	7.827	(1.021)	97318	20.0000	18.8856
102 Dibenzofuran	168	7.845	7.845	(1.024)	432992	20.0000	20.4746
105 Hexadecane	57	7.963	7.963	(1.039)	189401	20.0000	20.3989
107 Diethyl phthalate	149	7.998	7.998	(1.044)	346101	20.0000	20.6339
109 4-Chlorophenyl phenyl ether	204	8.121	8.121	(1.060)	166633	20.0000	19.7447
110 Fluorene	166	8.145	8.145	(1.063)	359655	20.0000	20.2836
112 4-Nitroaniline	138	8.168	8.168	(1.066)	81258	20.0000	18.7512
113 4,6-Dinitro-2-methylphenol	198	8.180	8.180	(0.916)	46151	20.0000	15.1963
115 N-nitrosodiphenylamine	169	8.227	8.227	(0.922)	307738	20.0000	20.1649
116 Azobenzene	77	8.256	8.256	(1.077)	355160	20.0000	20.8152

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
234 1,2-DPH(as Azobenzene)	77	8.256	8.256	(1.077)	355160	20.2195	21.0437
242 2,4,6 - Tribromophenol	330	8.356	8.356	(1.090)	66868	30.0000	29.4609
124 4-Bromophenyl phenyl ether	248	8.538	8.538	(0.957)	94043	20.0000	19.2933
125 Hexachlorobenzene	284	8.609	8.609	(0.964)	102583	20.0000	19.7020
127 Atrazine	200	8.638	8.638	(0.968)	92621	20.0000	19.4401
128 n-Octadecane	85	8.720	8.720	(0.977)	80219	20.0000	19.5578
129 Pentachlorophenol	266	8.762	8.762	(0.982)	53299	20.0000	16.0412
136 Phenanthrene	178	8.944	8.944	(1.002)	520538	20.0000	20.7602
137 Anthracene	178	8.985	8.985	(1.007)	516201	20.0000	20.4902
140 Carbazole	167	9.108	9.108	(1.020)	493309	20.0000	20.8624
141 Alachlor	188	9.161	9.161	(1.026)	63283	20.0000	18.6658
143 Di-n-butyl phthalate	149	9.296	9.296	(1.041)	546723	20.0000	20.9976
144 n-Eicosane	43	9.355	9.355	(1.221)	155191	20.0000	20.3640
149 Fluoranthene	202	9.878	9.878	(1.107)	550636	20.0000	20.5753
150 n-docosane	43	9.931	9.931	(1.296)	145839	20.0000	19.6957
151 Benzidine	184	9.960	9.960	(0.904)	307394	20.0000	18.1695
152 Pyrene	202	10.066	10.066	(0.913)	586453	20.0000	20.6513
158 Famphur	218	10.454	10.454	(0.948)	194365	20.0000	20.8842
159 Butyl benzyl phthalate	149	10.471	10.471	(0.950)	262244	20.0000	20.6571
162 Bis(2-ethylhexyl) phthalate	149	10.877	10.877	(0.987)	284193	20.0000	18.7368
164 3 3'-Dichlorobenzidine	252	10.965	10.965	(0.995)	179816	20.0000	18.6124
165 Benzo(a)anthracene	228	11.012	11.012	(0.999)	550209	20.0000	20.4568
167 Chrysene	228	11.047	11.047	(1.002)	555539	20.0000	20.3076
168 Di-n-octyl phthalate	149	11.382	11.382	(1.033)	440702	20.0000	18.1201
171 Benzo(b)fluoranthene	252	11.940	11.940	(0.967)	515822	20.0000	19.8223(H)
172 Benzo(k)fluoranthene	252	11.964	11.964	(0.969)	582763	20.0000	19.7433
178 Benzo(a)pyrene	252	12.287	12.287	(0.995)	461468	20.0000	19.3041
185 Dibenz(a,h)anthracene	278	13.673	13.673	(1.108)	415155	20.0000	19.0506
186 Indeno(1,2,3-cd)pyrene	276	13.679	13.679	(1.241)	518231	20.0000	19.4075
188 Benzo(g,h,i)perylene	276	14.108	14.108	(1.143)	450605	20.0000	19.9841

QC Flag Legend

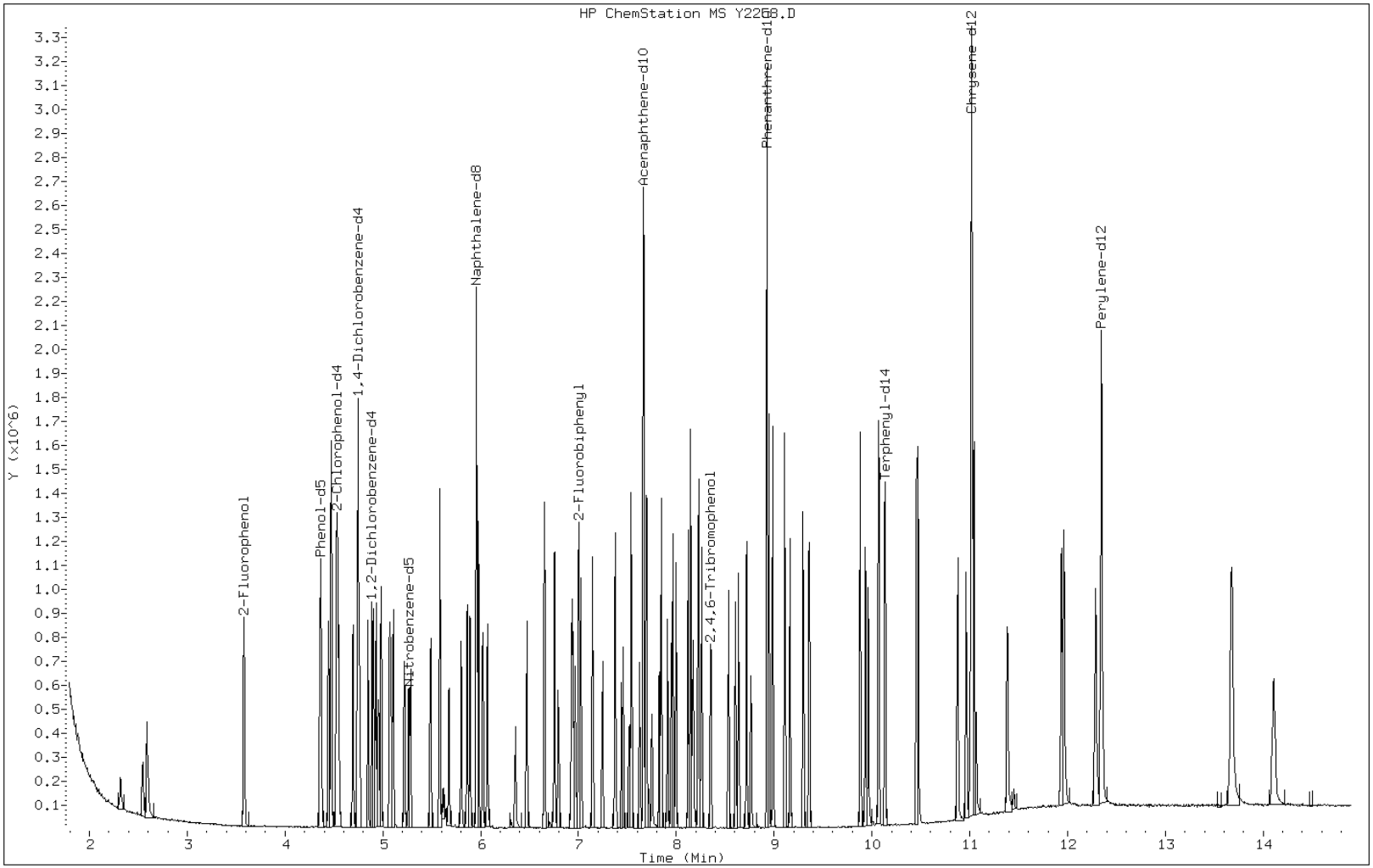
H - Operator selected an alternate compound hit.

Data File: Y2258.D

Date: 15-AUG-2011 11:49

Client ID: Instrument: Y.i

Sample Info: IC-921002,,MS-HSL020 Operator: TINKHAMS



TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\Y.i\081511.b\Y2259.D
Lab Smp Id: IC-921001
Inj Date : 15-AUG-2011 12:09
Operator : TINKHAMS Inst ID: Y.i
Smp Info : IC-921001,,MS-HSL010
Misc Info :
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\Y.i\081511.b\8270C.m
Meth Date : 15-Aug-2011 18:12 Y.i Quant Type: ISTD
Cal Date : 15-AUG-2011 11:49 Cal File: Y2258.D
Als bottle: 8 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.743	4.743	(1.000)	220129	40.0000	
* 58 Naphthalene-d8	136	5.959	5.959	(1.000)	882946	40.0000	
* 96 Acenaphthene-d10	164	7.663	7.663	(1.000)	536827	40.0000	
* 135 Phenanthrene-d10	188	8.926	8.926	(1.000)	902670	40.0000	
* 166 Chrysene-d12	240	11.006	11.006	(1.000)	1000273	40.0000	
* 179 Perylene-d12	264	12.322	12.322	(1.000)	884166	40.0000	
$ 22 2-Chlorophenol-d4	132	4.537	4.537	(0.957)	121899	15.0000	14.8641
$ 29 1,2-Dichlorobenzene-d4	152	4.890	4.890	(1.031)	58460	10.0000	10.1654
$ 8 2-Fluorophenol	112	3.580	3.580	(0.755)	109157	15.0000	14.6279
$ 15 Phenol-d5	99	4.361	4.361	(0.919)	140904	15.0000	14.8089
$ 43 Nitrobenzene-d5	82	5.266	5.266	(0.884)	82450	10.0000	9.47969(a)
$ 81 2-Fluorobiphenyl	172	7.005	7.005	(0.914)	179850	10.0000	10.1407
$ 118 2,4,6-Tribromophenol	330	8.356	8.356	(1.090)	31274	15.0000	13.4536
$ 154 Terphenyl-d14	244	10.125	10.125	(0.920)	199687	10.0000	9.92394(a)
4 1,4-Dioxane	88	2.322	2.322	(0.490)	33852	10.0000	10.4730
5 N-Nitrosodimethylamine	74	2.546	2.546	(0.537)	48277	10.0000	10.1030
6 Pyridine	79	2.587	2.587	(0.545)	85589	10.0000	10.0478
16 Phenol	94	4.373	4.373	(0.922)	95587	10.0000	9.90152(a)
18 Aniline	93	4.443	4.443	(0.937)	118539	10.0000	9.97015(a)
19 Methyl Styrene	118	4.473	4.473	(0.943)	80774	10.0000	9.76032(a)
20 Bis(2-chloroethyl) ether	93	4.473	4.473	(0.943)	76419	10.0000	10.4835
21 Decane	43	4.526	4.526	(0.954)	80399	10.0000	10.6051

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
23 2-Chlorophenol	128	4.549	4.549	(0.959)	82544	10.0000	10.0937
25 1,3-Dichlorobenzene	146	4.696	4.696	(0.990)	92601	10.0000	10.0336
27 1,4-Dichlorobenzene	146	4.761	4.761	(1.004)	94858	10.0000	10.1507
28 Benzyl alcohol	108	4.849	4.849	(1.022)	46210	10.0000	9.20952(a)
30 1,2-Dichlorobenzene	146	4.907	4.907	(1.035)	87153	10.0000	9.95405
32 2-Methylphenol	108	4.931	4.931	(1.040)	68305	10.0000	9.41735(a)
34 2,2'-oxybis(1-chloropropane)	45	4.954	4.954	(1.045)	102605	10.0000	10.1981
35 1H-Indene	116	4.984	4.984	(1.051)	126009	10.0000	10.0752
138 3-Methylphenol	108	5.072	5.072	(1.069)	73651	10.0000	9.63770(a)
36 4-Methylphenol	108	5.072	5.072	(1.069)	73651	10.0000	9.63770(a)
139 3 & 4-Methylphenol	108	5.072	5.072	(1.069)	73651	10.0000	9.63770(a)
37 N-nitrosodi-n-propylamine	70	5.084	5.084	(1.072)	56048	10.0000	9.61546(a)
38 Acetophenone	105	5.107	5.107	(1.077)	109008	10.0000	10.1111
41 Hexachloroethane	117	5.219	5.219	(1.100)	35318	10.0000	10.1672
44 Nitrobenzene	77	5.284	5.284	(0.887)	83593	10.0000	9.73602(a)
47 Isophorone	82	5.489	5.489	(0.921)	137332	10.0000	9.35188(a)
50 2,4-Dimethylphenol	107	5.577	5.577	(0.936)	76704	10.0000	9.55868(a)
49 2-Nitrophenol	139	5.583	5.583	(0.937)	37040	10.0000	8.61950(a)
53 Benzoic acid	122	5.613	5.613	(0.942)	17323	10.0000	12.5101(H)
52 Bis(2-chloroethoxy)methane	93	5.677	5.677	(0.953)	88193	10.0000	9.93553(a)
54 2,4-Dichlorophenol	162	5.801	5.801	(0.973)	63020	10.0000	9.41487(a)
56 n-Dodecane	43	5.859	5.859	(0.765)	76918	10.0000	9.96908(a)
57 1,2,4-Trichlorobenzene	180	5.895	5.895	(0.989)	75948	10.0000	9.95181
59 Naphthalene	128	5.977	5.977	(1.003)	245381	10.0000	10.2449
60 4-Chloroaniline	127	6.024	6.024	(1.011)	98535	10.0000	9.83198(a)
62 Hexachlorobutadiene	225	6.071	6.071	(1.019)	42389	10.0000	9.74710(a)
67 Caprolactam	55	6.353	6.353	(1.066)	27050	10.0000	8.37879(a)
68 4-Chloro-3-methylphenol	107	6.470	6.470	(1.086)	65193	10.0000	9.20787(a)
71 2-Methylnaphthalene	142	6.652	6.652	(1.116)	162343	10.0000	9.96380
72 1-Methylnaphthalene	142	6.758	6.758	(1.134)	154426	10.0000	9.97279
74 Hexachlorocyclopentadiene	237	6.794	6.794	(0.887)	30648	10.0000	7.20381(a)
78 2,4,6-Trichlorophenol	196	6.929	6.929	(0.904)	39785	10.0000	8.38609(a)
79 2,3-Dichlorobenzeneamine	161	6.940	6.940	(0.906)	82963	10.0000	9.85741(a)
80 2,4,5-Trichlorophenol	196	6.970	6.970	(0.910)	47117	10.0000	8.98504(a)
83 Tetradecane	43	7.023	7.023	(0.916)	75267	10.0000	9.78918(a)
86 2-Chloronaphthalene	162	7.146	7.146	(0.933)	154842	10.0000	10.2185
88 2-Nitroaniline	65	7.246	7.246	(0.946)	41012	10.0000	8.83462(a)
91 Dimethyl phthalate	163	7.375	7.375	(0.962)	172547	10.0000	9.92264
93 2,6-Dinitrotoluene	165	7.457	7.457	(0.973)	38633	10.0000	9.29056(a)
94 Acenaphthylene	152	7.540	7.540	(0.984)	234973	10.0000	9.81464
95 3-Nitroaniline	138	7.628	7.628	(0.995)	40073	10.0000	8.97044(a)
97 Acenaphthene	153	7.692	7.692	(1.004)	158868	10.0000	10.0727
98 2,4-Dinitrophenol	184	7.722	7.722	(1.008)	6435	10.0000	14.1186
99 4-Nitrophenol	109	7.751	7.751	(1.012)	18652	10.0000	7.36223(a)
101 2,4-Dinitrotoluene	165	7.828	7.828	(1.021)	45492	10.0000	8.61987(a)
102 Dibenzofuran	168	7.845	7.845	(1.024)	222629	10.0000	10.2788
105 Hexadecane	57	7.963	7.963	(1.039)	94826	10.0000	9.97196(a)
107 Diethyl phthalate	149	7.998	7.998	(1.044)	174899	10.0000	10.1811
109 4-Chlorophenyl phenyl ether	204	8.121	8.121	(1.060)	84659	10.0000	9.79470(a)
110 Fluorene	166	8.145	8.145	(1.063)	182595	10.0000	10.0549
112 4-Nitroaniline	138	8.168	8.168	(1.066)	38617	10.0000	8.70098(a)
113 4,6-Dinitro-2-methylphenol	198	8.180	8.180	(0.916)	17207	10.0000	5.48273(a)
115 N-nitrosodiphenylamine	169	8.227	8.227	(0.922)	155845	10.0000	9.88194(a)
116 Azobenzene	77	8.256	8.256	(1.077)	177312	10.0000	10.1467

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
234 1,2-DPH(as Azobenzene)	77	8.256	8.256	(1.077)	177312	10.1098	10.2580
242 2,4,6 - Tribromophenol	330	8.356	8.356	(1.090)	31274	15.0000	13.4536
124 4-Bromophenyl phenyl ether	248	8.533	8.533	(0.956)	48568	10.0000	9.64194(a)
125 Hexachlorobenzene	284	8.609	8.609	(0.964)	52780	10.0000	9.80934(a)
127 Atrazine	200	8.638	8.638	(0.968)	45749	10.0000	9.29191(a)
128 n-Octadecane	85	8.721	8.721	(0.977)	39374	10.0000	9.28940(a)
136 Phenanthrene	178	8.944	8.944	(1.002)	267990	10.0000	10.3427
137 Anthracene	178	8.985	8.985	(1.007)	262433	10.0000	10.0805
140 Carbazole	167	9.108	9.108	(1.020)	246282	10.0000	10.0789
141 Alachlor	188	9.161	9.161	(1.026)	29864	10.0000	8.52398(a)
143 Di-n-butyl phthalate	149	9.296	9.296	(1.041)	253765	10.0000	9.43122
144 n-Eicosane	43	9.355	9.355	(1.221)	75533	10.0000	9.67746(a)
149 Fluoranthene	202	9.878	9.878	(1.107)	274233	10.0000	9.91600
150 n-docosane	43	9.931	9.931	(1.296)	66737	10.0000	8.80018(a)
152 Pyrene	202	10.060	10.060	(0.914)	288514	10.0000	10.0624
158 Famphur	218	10.442	10.442	(0.949)	87561	10.0000	10.1357
159 Butyl benzyl phthalate	149	10.460	10.460	(0.950)	123705	10.0000	9.65094
162 Bis(2-ethylhexyl) phthalate	149	10.859	10.859	(0.987)	117943	10.0000	9.09418
164 3 3'-Dichlorobenzidine	252	10.947	10.947	(0.995)	79802	10.0000	8.18100(a)
165 Benzo(a)anthracene	228	10.994	10.994	(0.999)	268909	10.0000	9.90224(H)
167 Chrysene	228	11.030	11.030	(1.002)	281506	10.0000	10.1918
168 Di-n-octyl phthalate	149	11.365	11.365	(1.033)	174332	10.0000	8.73888(H)
171 Benzo(b)fluoranthene	252	11.917	11.917	(0.967)	239965	10.0000	9.30418(H)
172 Benzo(k)fluoranthene	252	11.940	11.940	(0.969)	295439	10.0000	10.0988
178 Benzo(a)pyrene	252	12.264	12.264	(0.995)	211140	10.0000	8.91156(H)
185 Dibenz(a,h)anthracene	278	13.650	13.650	(1.108)	186125	10.0000	8.61744
186 Indeno(1,2,3-cd)pyrene	276	13.656	13.656	(1.241)	241955	10.0000	8.97428
188 Benzo(g,h,i)perylene	276	14.079	14.079	(1.143)	206623	10.0000	9.24577

QC Flag Legend

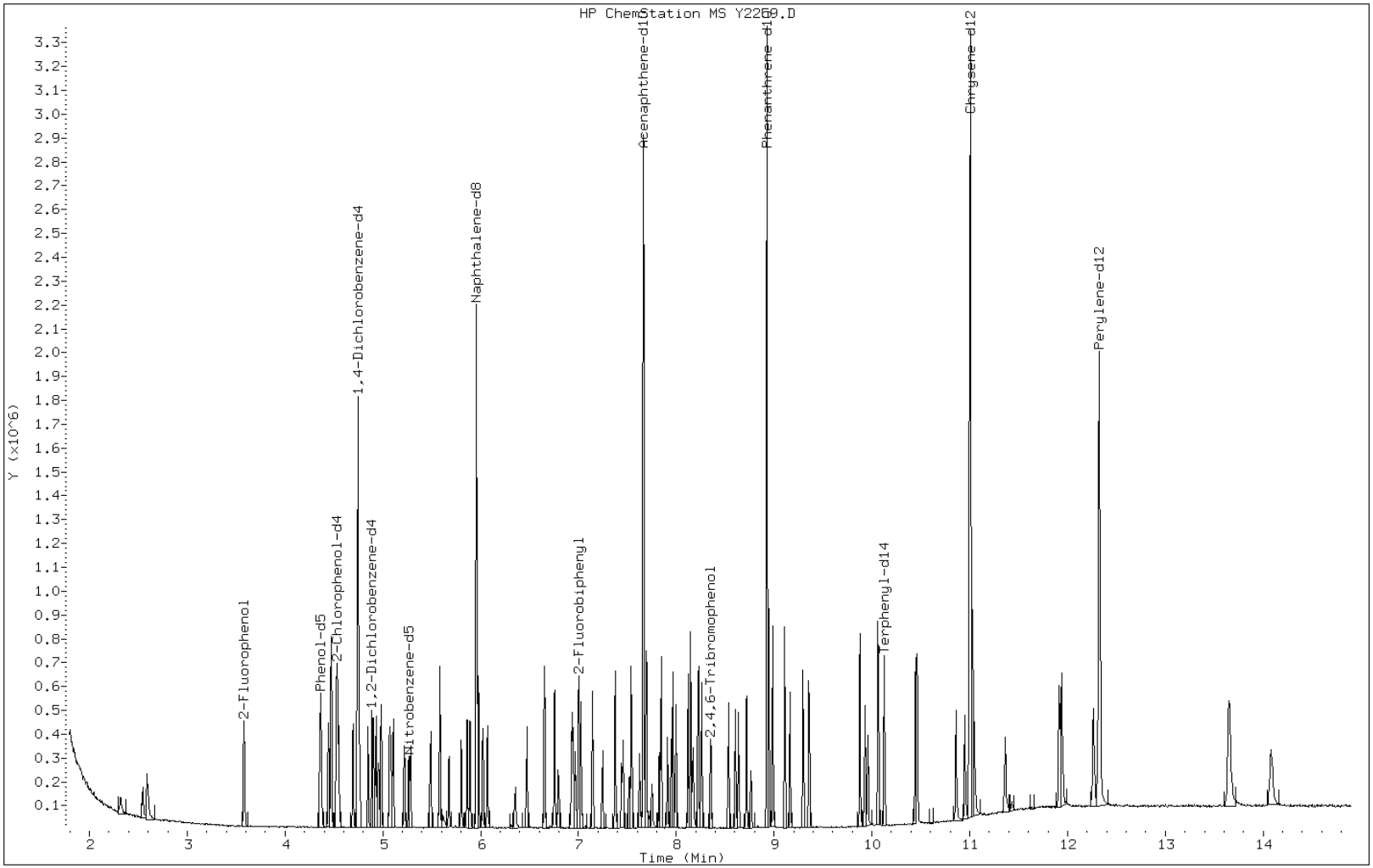
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: Y2259.D

Date: 15-AUG-2011 12:09

Client ID: Instrument: Y.i

Sample Info: IC-921001,,MS-HSL010 Operator: TINKHAMS



TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\Y.i\081511.b\Y2260.D
Lab Smp Id: IC-921000
Inj Date : 15-AUG-2011 12:30
Operator : TINKHAMS Inst ID: Y.i
Smp Info : IC-921000,,MS-HSL004
Misc Info :
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\Y.i\081511.b\8270C.m
Meth Date : 15-Aug-2011 18:12 Y.i Quant Type: ISTD
Cal Date : 15-AUG-2011 12:09 Cal File: Y2259.D
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.742	4.742	(1.000)	214279	40.0000	
* 58 Naphthalene-d8	136	5.958	5.958	(1.000)	859708	40.0000	
* 96 Acenaphthene-d10	164	7.668	7.668	(1.000)	518344	40.0000	
* 135 Phenanthrene-d10	188	8.925	8.925	(1.000)	882259	40.0000	
* 166 Chrysene-d12	240	11.011	11.011	(1.000)	965766	40.0000	
* 179 Perylene-d12	264	12.333	12.333	(1.000)	865265	40.0000	
$ 22 2-Chlorophenol-d4	132	4.536	4.536	(0.957)	44426	6.00000	5.56512(a)
$ 29 1,2-Dichlorobenzene-d4	152	4.889	4.889	(1.031)	23016	4.00000	4.11145(a)
$ 8 2-Fluorophenol	112	3.578	3.578	(0.755)	38636	6.00000	5.31890(a)
$ 15 Phenol-d5	99	4.360	4.360	(0.919)	50896	6.00000	5.49517(a)
$ 43 Nitrobenzene-d5	82	5.265	5.265	(0.884)	27550	4.00000	3.25318(a)
$ 81 2-Fluorobiphenyl	172	7.004	7.004	(0.913)	68768	4.00000	4.01570(a)
$ 118 2,4,6-Tribromophenol	330	8.355	8.355	(1.090)	9304	6.00000	4.14516(a)
$ 154 Terphenyl-d14	244	10.130	10.130	(0.920)	72233	4.00000	3.71806(a)
4 1,4-Dioxane	88	2.321	2.321	(0.490)	14238	4.00000	4.52514
5 N-Nitrosodimethylamine	74	2.544	2.544	(0.537)	17580	4.00000	3.77945(a)
6 Pyridine	79	2.591	2.591	(0.547)	31496	4.00000	3.79843(a)
16 Phenol	94	4.372	4.372	(0.922)	35218	4.00000	3.74771(a)
18 Aniline	93	4.442	4.442	(0.937)	43004	4.00000	3.71576(a)
20 Bis(2-chloroethyl) ether	93	4.472	4.472	(0.943)	29326	4.00000	4.13291(a)
21 Decane	43	4.524	4.524	(0.954)	30491	4.00000	4.13173(a)
23 2-Chlorophenol	128	4.548	4.548	(0.959)	30485	4.00000	3.82956(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
25 1,3-Dichlorobenzene	146	4.695	4.695	(0.990)	36868	4.00000	4.10384
27 1,4-Dichlorobenzene	146	4.759	4.759	(1.004)	37034	4.00000	4.07118
28 Benzyl alcohol	108	4.848	4.848	(1.022)	15963	4.00000	3.26823(a)
30 1,2-Dichlorobenzene	146	4.906	4.906	(1.035)	33747	4.00000	3.95959(a)
32 2-Methylphenol	108	4.930	4.930	(1.040)	24964	4.00000	3.53580(a)
34 2,2'-oxybis(1-chloropropane)	45	4.953	4.953	(1.045)	40428	4.00000	4.12792(a)
35 1H-Indene	116	4.983	4.983	(1.051)	46638	4.00000	3.83078(a)
138 3-Methylphenol	108	5.071	5.071	(1.069)	27073	4.00000	3.63939(a)
36 4-Methylphenol	108	5.071	5.071	(1.069)	27073	4.00000	3.63939(a)
139 3 & 4-Methylphenol	108	5.071	5.071	(1.069)	27073	4.00000	3.63939(a)
37 N-nitrosodi-n-propylamine	70	5.083	5.083	(1.072)	19483	4.00000	3.43371(a)
38 Acetophenone	105	5.106	5.106	(1.077)	40718	4.00000	3.87995(a)
41 Hexachloroethane	117	5.218	5.218	(1.100)	12281	4.00000	3.63190(a)
44 Nitrobenzene	77	5.282	5.282	(0.887)	29953	4.00000	3.58290(a)
47 Isophorone	82	5.488	5.488	(0.921)	46981	4.00000	3.28574(a)
50 2,4-Dimethylphenol	107	5.582	5.582	(0.937)	27407	4.00000	3.50772(a)
49 2-Nitrophenol	139	5.588	5.588	(0.938)	11200	4.00000	2.67678(a)
52 Bis(2-chloroethoxy)methane	93	5.676	5.676	(0.953)	32521	4.00000	3.76274(a)
54 2,4-Dichlorophenol	162	5.805	5.805	(0.974)	20456	4.00000	3.13863(a)
56 n-Dodecane	43	5.864	5.864	(0.765)	29181	4.00000	3.91691(a)
57 1,2,4-Trichlorobenzene	180	5.893	5.893	(0.989)	29286	4.00000	3.94120(a)
59 Naphthalene	128	5.982	5.982	(1.004)	94066	4.00000	4.03351
60 4-Chloroaniline	127	6.023	6.023	(1.011)	34727	4.00000	3.55878(a)
62 Hexachlorobutadiene	225	6.070	6.070	(1.019)	16378	4.00000	3.86782(a)
68 4-Chloro-3-methylphenol	107	6.469	6.469	(1.086)	21633	4.00000	3.13804(a)
71 2-Methylnaphthalene	142	6.651	6.651	(1.116)	59715	4.00000	3.76407(a)
72 1-Methylnaphthalene	142	6.757	6.757	(1.134)	57968	4.00000	3.84475(a)
74 Hexachlorocyclopentadiene	237	6.798	6.798	(0.887)	9664	4.00000	2.35252(a)
78 2,4,6-Trichlorophenol	196	6.927	6.927	(0.903)	13467	4.00000	2.93987(a)
79 2,3-Dichlorobenzeneamine	161	6.945	6.945	(0.906)	30022	4.00000	3.69432(a)
80 2,4,5-Trichlorophenol	196	6.969	6.969	(0.909)	15553	4.00000	3.07166(a)
83 Tetradecane	43	7.021	7.021	(0.916)	26368	4.00000	3.55169(a)
86 2-Chloronaphthalene	162	7.145	7.145	(0.932)	57598	4.00000	3.93661(a)
88 2-Nitroaniline	65	7.245	7.245	(0.945)	12098	4.00000	2.69902(a)
91 Dimethyl phthalate	163	7.374	7.374	(0.962)	63493	4.00000	3.78148(a)
93 2,6-Dinitrotoluene	165	7.456	7.456	(0.972)	12593	4.00000	3.13638(a)
94 Acenaphthylene	152	7.539	7.539	(0.983)	84909	4.00000	3.67305(a)
95 3-Nitroaniline	138	7.627	7.627	(0.995)	12092	4.00000	2.80334(a)
97 Acenaphthene	153	7.697	7.697	(1.004)	59750	4.00000	3.92340(a)
98 2,4-Dinitrophenol	184	7.727	7.727	(1.008)	615	4.00000	11.8503(Q)
101 2,4-Dinitrotoluene	165	7.826	7.826	(1.021)	12702	4.00000	2.49261(a)
102 Dibenzofuran	168	7.844	7.844	(1.023)	82587	4.00000	3.94903(a)
105 Hexadecane	57	7.962	7.962	(1.038)	33144	4.00000	3.60973(a)
107 Diethyl phthalate	149	7.997	7.997	(1.043)	63176	4.00000	3.80868(a)
109 4-Chlorophenyl phenyl ether	204	8.120	8.120	(1.059)	31281	4.00000	3.74813(a)
110 Fluorene	166	8.144	8.144	(1.062)	66976	4.00000	3.81964(a)
112 4-Nitroaniline	138	8.167	8.167	(1.065)	9100	4.00000	2.12348(a)
115 N-nitrosodiphenylamine	169	8.226	8.226	(0.922)	54241	4.00000	3.51892(a)
116 Azobenzene	77	8.255	8.255	(1.077)	61179	4.00000	3.62580(a)
234 1,2-DPH(as Azobenzene)	77	8.255	8.255	(1.077)	61179	4.04390	3.66559(a)
242 2,4,6 - Tribromophenol	330	8.355	8.355	(1.090)	9304	6.00000	4.14516(a)
124 4-Bromophenyl phenyl ether	248	8.537	8.537	(0.957)	17240	4.00000	3.50174(a)
125 Hexachlorobenzene	284	8.608	8.608	(0.964)	19355	4.00000	3.68041(a)
127 Atrazine	200	8.637	8.637	(0.968)	12751	4.00000	2.64972(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
128 n-Octadecane	85	8.719	8.719	(0.977)	12255	4.00000	2.95818(a)
136 Phenanthrene	178	8.943	8.943	(1.002)	98595	4.00000	3.89316(a)
137 Anthracene	178	8.990	8.990	(1.007)	92768	4.00000	3.64581(a)
140 Carbazole	167	9.107	9.107	(1.020)	86153	4.00000	3.60731(a)
141 Alachlor	188	9.160	9.160	(1.026)	9541	4.00000	2.78626(a)
143 Di-n-butyl phthalate	149	9.295	9.295	(1.041)	77561	4.00000	2.94926(a)
144 n-Eicosane	43	9.360	9.360	(1.221)	22700	4.00000	3.01208(a)
149 Fluoranthene	202	9.877	9.877	(1.107)	94202	4.00000	3.48506(a)
150 n-docosane	43	9.930	9.930	(1.295)	18333	4.00000	2.50366(a)
152 Pyrene	202	10.065	10.065	(0.914)	103333	4.00000	3.73266(a)
158 Famphur	218	10.447	10.447	(0.949)	23979	4.00000	3.93236(a)
159 Butyl benzyl phthalate	149	10.465	10.465	(0.950)	37653	4.00000	3.04249(a)
162 Bis(2-ethylhexyl) phthalate	149	10.870	10.870	(0.987)	30679	4.00000	4.17768(a)
164 3 3'-Dichlorobenzidine	252	10.958	10.958	(0.995)	22576	4.00000	2.39710(a)
165 Benzo(a)anthracene	228	11.005	11.005	(0.999)	97907	4.00000	3.73412(aH)
167 Chrysene	228	11.034	11.034	(1.002)	106271	4.00000	3.98497(a)
168 Di-n-octyl phthalate	149	11.369	11.369	(1.033)	43546	4.00000	4.25928
171 Benzo(b)fluoranthene	252	11.922	11.922	(0.967)	87301	4.00000	3.45887(aH)
172 Benzo(k)fluoranthene	252	11.951	11.951	(0.969)	98073	4.00000	3.42560(a)
178 Benzo(a)pyrene	252	12.274	12.274	(0.995)	68871	4.00000	2.97033(aH)
185 Dibenz(a,h)anthracene	278	13.655	13.655	(1.107)	61473	4.00000	2.90832(a)
186 Indeno(1,2,3-cd)pyrene	276	13.661	13.661	(1.241)	75229	4.00000	2.88999(a)
188 Benzo(g,h,i)perylene	276	14.090	14.090	(1.142)	66470	4.00000	3.03931(a)

QC Flag Legend

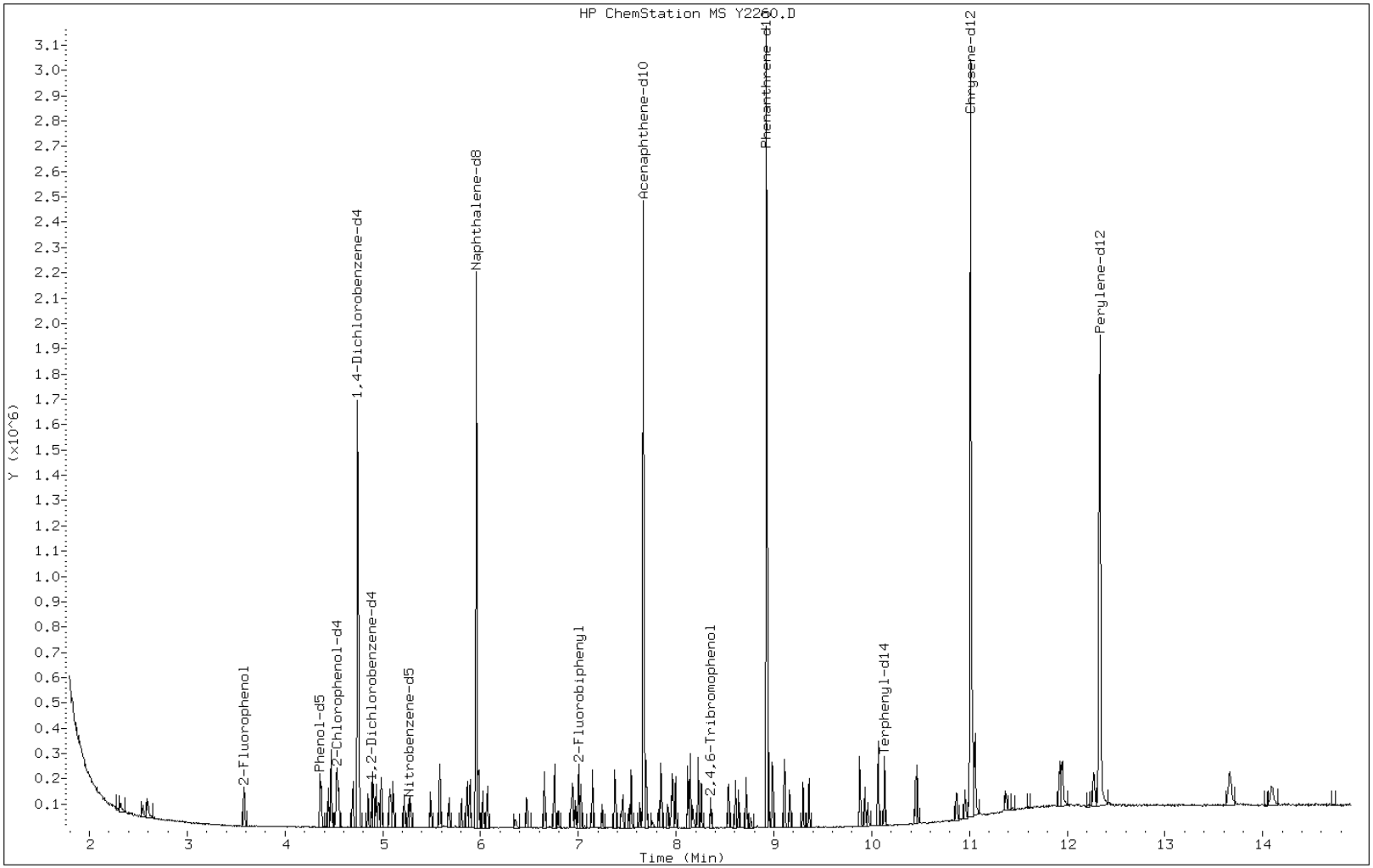
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: Y2260.D

Date: 15-AUG-2011 12:30

Client ID: Instrument: Y.i

Sample Info: IC-921000,,MS-HSL004 Operator: TINKHAMS



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Lab Sample ID: ICV 280-81442/10 Calibration Date: 08/15/2011 13:08

Instrument ID: MSS_Y Calib Start Date: 08/15/2011 10:06

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 08/15/2011 12:30

Lab File ID: Y2261.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5873	0.5748		78.3	80.0	-2.1	35.0
N-Nitrosodimethylamine	Ave	0.8683	0.8883		81.8	80.0	2.3	35.0
Pyridine	Ave	1.548	1.577		81.5	80.0	1.9	35.0
Phenol	Ave	1.754	1.784		81.4	80.0	1.7	35.0
Aniline	Ave	2.160	1.915		70.9	80.0	-11.4	35.0
Bis(2-chloroethyl)ether	Ave	1.325	1.327		80.2	80.0	0.2	35.0
2-Chlorophenol	Ave	1.486	1.473		79.3	80.0	-0.9	35.0
1,3-Dichlorobenzene	Ave	1.677	1.661		79.3	80.0	-0.9	35.0
1,4-Dichlorobenzene	Ave	1.698	1.689		79.6	80.0	-0.5	35.0
Benzyl alcohol	Ave	0.9118	0.9292		81.5	80.0	1.9	35.0
1,2-Dichlorobenzene	Ave	1.591	1.597		80.3	80.0	0.4	35.0
2-Methylphenol	Ave	1.318	1.290		78.3	80.0	-2.1	35.0
2,2'-oxybis[1-chloropropane]	Ave	1.828	1.816		690	80.0	-0.7	35.0
4-Methylphenol	Ave	1.389	1.401		80.7	80.0	0.9	35.0
N-Nitrosodi-n-propylamine	Ave	1.059	1.081		81.7	80.0	2.1	35.0
Acetophenone	Ave	1.959	1.896		77.4	80.0	-3.2	35.0
Hexachloroethane	Ave	0.6312	0.6309		80.0	80.0	-0.0	35.0
Nitrobenzene	Ave	0.3890	0.3890		80.0	80.0	0.0	35.0
Isophorone	Ave	0.6653	0.6716		80.8	80.0	0.9	35.0
2,4-Dimethylphenol	Ave	0.3635	0.3712		81.7	80.0	2.1	35.0
2-Nitrophenol	Ave	0.1947	0.2001		82.2	80.0	2.8	35.0
Benzoic acid	Lin2	0.1823	0.1913		80.0	80.0	0.0	35.0
Bis(2-chloroethoxy)methane	Ave	0.4021	0.3961		78.8	80.0	-1.5	35.0
2,4-Dichlorophenol	Ave	0.3032	0.3034		80.0	80.0	0.0	35.0
1,2,4-Trichlorobenzene	Ave	0.3457	0.3329		77.0	80.0	-3.7	35.0
Naphthalene	Ave	1.085	1.054		77.7	80.0	-2.8	35.0
4-Chloroaniline	Ave	0.4540	0.4293		75.6	80.0	-5.4	35.0
Hexachlorobutadiene	Ave	0.1970	0.1949		79.1	80.0	-1.1	35.0
Caprolactam	Ave	0.1463	0.1477		80.8	80.0	1.0	35.0
4-Chloro-3-methylphenol	Ave	0.3208	0.3282		81.9	80.0	2.3	35.0
2-Methylnaphthalene	Ave	0.7381	0.7055		76.5	80.0	-4.4	35.0
1-Methylnaphthalene	Ave	0.7015	0.6918		78.9	80.0	-1.4	35.0
Hexachlorocyclopentadiene	Ave	0.3170	0.3619		91.3	80.0	14.2	35.0
2,4,6-Trichlorophenol	Ave	0.3535	0.3626		82.1	80.0	2.6	35.0
2,4,5-Trichlorophenol	Ave	0.3907	0.3974		81.4	80.0	1.7	35.0
2-Chloronaphthalene	Ave	1.129	1.122		79.5	80.0	-0.7	35.0
2-Nitroaniline	Ave	0.3459	0.3606		83.4	80.0	4.3	35.0
Dimethyl phthalate	Ave	1.296	1.304		80.5	80.0	0.6	35.0
2,6-Dinitrotoluene	Ave	0.3098	0.2953		76.3	80.0	-4.7	35.0
Acenaphthylene	Ave	1.784	1.846		82.8	80.0	3.5	35.0
3-Nitroaniline	Ave	0.3329	0.3374		81.1	80.0	1.4	35.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Lab Sample ID: ICV 280-81442/10 Calibration Date: 08/15/2011 13:08

Instrument ID: MSS_Y Calib Start Date: 08/15/2011 10:06

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 08/15/2011 12:30

Lab File ID: Y2261.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acenaphthene	Ave	1.175	1.155		78.6	80.0	-1.7	35.0
2,4-Dinitrophenol	Lin2	0.1528	0.1463		73.1	80.0	-8.7	35.0
4-Nitrophenol	Ave	0.1888	0.2057		87.2	80.0	9.0	35.0
2,4-Dinitrotoluene	Ave	0.3932	0.4084		83.1	80.0	3.8	35.0
Dibenzofuran	Ave	1.614	1.623		80.4	80.0	0.5	35.0
Diethyl phthalate	Ave	1.280	1.275		79.7	80.0	-0.4	35.0
4-Chlorophenyl phenyl ether	Ave	0.6440	0.6353		78.9	80.0	-1.4	35.0
Fluorene	Ave	1.353	1.325		78.3	80.0	-2.1	35.0
4-Nitroaniline	Ave	0.3307	0.3466		83.8	80.0	4.8	35.0
4,6-Dinitro-2-methylphenol	Ave	0.1391	0.1356		78.0	80.0	-2.5	35.0
N-Nitrosodiphenylamine	Ave	0.6988	0.6595		64.5	68.3	-5.6	35.0
1,2-Diphenylhydrazine	Ave	1.288	1.330		83.5	80.9	3.3	35.0
4-Bromophenyl phenyl ether	Ave	0.2232	0.2198		78.8	80.0	-1.5	35.0
Hexachlorobenzene	Ave	0.2384	0.2377		79.7	80.0	-0.3	35.0
Atrazine	Ave	0.2182	0.1637		60.0	80.0	-25.0	35.0
Pentachlorophenol	Ave	0.1522	0.1420		74.7	80.0	-6.7	35.0
Phenanthrene	Ave	1.148	1.135		79.1	80.0	-1.2	35.0
Anthracene	Ave	1.154	1.143		79.2	80.0	-0.9	35.0
Carbazole	Ave	1.083	1.079		79.7	80.0	-0.4	35.0
Di-n-butyl phthalate	Ave	1.192	1.279		85.8	80.0	7.3	35.0
Fluoranthene	Ave	1.226	1.249		81.5	80.0	1.9	35.0
Pyrene	Ave	1.147	1.123		78.3	80.0	-2.1	35.0
Butyl benzyl phthalate	Ave	0.5126	0.5122		79.9	80.0	-0.0	35.0
Bis(2-ethylhexyl) phthalate	Lin2	0.6057	0.6796		79.9	80.0	-0.0	35.0
Benzo[a]anthracene	Ave	1.086	1.050		77.4	80.0	-3.3	35.0
Chrysene	Ave	1.105	1.056		76.5	80.0	-4.4	35.0
Di-n-octyl phthalate	Lin2	0.9731	1.058		76.0	80.0	-4.9	35.0
Benzo[b]fluoranthene	Ave	1.167	1.078		73.9	80.0	-7.6	35.0
Benzo[k]fluoranthene	Ave	1.323	1.426		86.2	80.0	7.7	35.0
Benzo[a]pyrene	Ave	1.072	1.011		75.4	80.0	-5.7	35.0
Dibenz(a,h)anthracene	Ave	0.9771	0.9936		81.3	80.0	1.7	35.0
Indeno[1,2,3-cd]pyrene	Ave	1.078	1.070		79.4	80.0	-0.8	35.0
Benzo[g,h,i]perylene	Ave	1.011	1.013		80.2	80.0	0.2	35.0
2-Fluorophenol (Surr)	Ave	1.356	1.326		117	120	-2.2	35.0
Phenol-d5 (Surr)	Ave	1.729	1.678		116	120	-2.9	35.0
Nitrobenzene-d5 (Surr)	Ave	0.3940	0.3784		76.8	80.0	-4.0	35.0
2-Fluorobiphenyl	Ave	1.321	1.270		76.9	80.0	-3.9	35.0
2,4,6-Tribromophenol (Surr)	Ave	0.1732	0.1800		125	120	3.9	35.0
Terphenyl-d14 (Surr)	Ave	0.8046	0.7756		77.1	80.0	-3.6	35.0

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\Y.i\081511.b\Y2261.D
Lab Smp Id: ICV-885219
Inj Date : 15-AUG-2011 13:08
Operator : TINKHAMS Inst ID: Y.i
Smp Info : ICV-885219,,MS-HSLSSV
Misc Info :
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\Y.i\081511.b\8270C.m
Meth Date : 15-Aug-2011 18:12 Y.i Quant Type: ISTD
Cal Date : 15-AUG-2011 12:30 Cal File: Y2260.D
Als bottle: 10 QC Sample: SSV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLSSV.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 26 1,4-Dichlorobenzene-d4	152	4.742	4.742	(1.000)	246745	40.0000	
* 58 Naphthalene-d8	136	5.958	5.958	(1.000)	989006	40.0000	
* 96 Acenaphthene-d10	164	7.668	7.668	(1.000)	594334	40.0000	
* 135 Phenanthrene-d10	188	8.925	8.925	(1.000)	996712	40.0000	
* 166 Chrysene-d12	240	11.070	11.011	(1.000)	1130735	40.0000	
* 179 Perylene-d12	264	12.409	12.333	(1.000)	994723	40.0000	
$ 43 Nitrobenzene-d5	82	5.265	5.265	(0.884)	748459	76.8257	76.8257
$ 81 2-Fluorobiphenyl	172	7.004	7.004	(0.913)	1509101	76.8566	76.8566
$ 154 Terphenyl-d14	244	10.153	10.130	(0.917)	1753874	77.1064	77.1064
$ 8 2-Fluorophenol	112	3.578	3.578	(0.755)	981778	117.375	117.374
$ 15 Phenol-d5	99	4.360	4.360	(0.919)	1242287	116.480	116.480
$ 118 2,4,6-Tribromophenol	330	8.355	8.355	(1.090)	320943	124.706	124.706
6 Pyridine	79	2.585	2.591	(0.545)	778185	81.5009	81.5009
5 N-Nitrosodimethylamine	74	2.544	2.544	(0.537)	438380	81.8449	81.8449
18 Aniline	93	4.442	4.442	(0.937)	944915	70.9026	70.9026
16 Phenol	94	4.372	4.372	(0.922)	880402	81.3604	81.3604
20 Bis(2-chloroethyl) ether	93	4.471	4.472	(0.943)	655101	80.1757	80.1756
23 2-Chlorophenol	128	4.548	4.548	(0.959)	726740	79.2818	79.2818
25 1,3-Dichlorobenzene	146	4.695	4.695	(0.990)	819893	79.2554	79.2554
27 1,4-Dichlorobenzene	146	4.759	4.759	(1.004)	833678	79.5883	79.5883
28 Benzyl alcohol	108	4.848	4.848	(1.022)	458551	81.5300	81.5300
30 1,2-Dichlorobenzene	146	4.906	4.906	(1.035)	788015	80.2936	80.2936

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
32 2-Methylphenol	108	4.930	4.930	(1.040)	636523	78.2923	78.2923
35 1H-Indene	116	4.983	4.983	(1.051)	1092028	77.8956	77.8956
34 2,2'-oxybis(1-chloropropane)	45	4.953	4.953	(1.045)	895981	79.4474	79.4474
138 3-Methylphenol	108	5.071	5.071	(1.069)	691575	80.7352	80.7352
36 4-Methylphenol	108	5.071	5.071	(1.069)	691575	80.7352	80.7352
139 3 & 4-Methylphenol	108	5.071	5.071	(1.069)	691575	80.7352	80.7352
37 N-nitrosodi-n-propylamine	70	5.083	5.083	(1.072)	533572	81.6643	81.6642
38 Acetophenone	105	5.106	5.106	(1.077)	935612	77.4224	77.4224
41 Hexachloroethane	117	5.218	5.218	(1.100)	311340	79.9589	79.9589
44 Nitrobenzene	77	5.282	5.282	(0.887)	769479	80.0098	80.0098
47 Isophorone	82	5.488	5.488	(0.921)	1328331	80.7549	80.7548
49 2-Nitrophenol	139	5.582	5.588	(0.937)	395869	82.2427	82.2427
50 2,4-Dimethylphenol	107	5.582	5.582	(0.937)	734277	81.6912	81.6912
52 Bis(2-chloroethoxy)methane	93	5.676	5.676	(0.953)	783478	78.7987	78.7987
53 Benzoic acid	122	5.647	5.623	(0.948)	378312	80.0288	80.0288
54 2,4-Dichlorophenol	162	5.805	5.805	(0.974)	600095	80.0371	80.0370
57 1,2,4-Trichlorobenzene	180	5.893	5.893	(0.989)	658390	77.0201	77.0201
59 Naphthalene	128	5.981	5.982	(1.004)	2085788	77.7450	77.7450
60 4-Chloroaniline	127	6.023	6.023	(1.011)	849143	75.6426	75.6426
62 Hexachlorobutadiene	225	6.070	6.070	(1.019)	385542	79.1460	79.1460
68 4-Chloro-3-methylphenol	107	6.475	6.469	(1.087)	649186	81.8583	81.8583
71 2-Methylnaphthalene	142	6.651	6.651	(1.116)	1395473	76.4624	76.4624
72 1-Methylnaphthalene	142	6.757	6.757	(1.134)	1368280	78.8872	78.8872
74 Hexachlorocyclopentadiene	237	6.798	6.798	(0.887)	430211	91.3367	91.3367
78 2,4,6-Trichlorophenol	196	6.927	6.927	(0.903)	430962	82.0509	82.0509
80 2,4,5-Trichlorophenol	196	6.969	6.969	(0.909)	472342	81.3585	81.3585
86 2-Chloronaphthalene	162	7.145	7.145	(0.932)	1333362	79.4787	79.4787
88 2-Nitroaniline	65	7.245	7.245	(0.945)	428628	83.3990	83.3990
91 Dimethyl phthalate	163	7.380	7.374	(0.962)	1549649	80.4928	80.4928
93 2,6-Dinitrotoluene	165	7.456	7.456	(0.972)	351065	76.2561	76.2561
94 Acenaphthylene	152	7.538	7.539	(0.983)	2194551	82.7953	82.7953
95 3-Nitroaniline	138	7.627	7.627	(0.995)	401071	81.0937	81.0937
97 Acenaphthene	153	7.697	7.697	(1.004)	1373304	78.6464	78.6464
98 2,4-Dinitrophenol	184	7.721	7.727	(1.007)	173941	73.0636	73.0636
99 4-Nitrophenol	109	7.750	7.756	(1.011)	244558	87.1906	87.1906
101 2,4-Dinitrotoluene	165	7.826	7.826	(1.021)	485431	83.0801	83.0801
102 Dibenzofuran	168	7.850	7.844	(1.024)	1928672	80.4313	80.4313
107 Diethyl phthalate	149	7.997	7.997	(1.043)	1515893	79.7038	79.7038
109 4-Chlorophenyl phenyl ether	204	8.120	8.120	(1.059)	755097	78.9086	78.9086
110 Fluorene	166	8.150	8.144	(1.063)	1574822	78.3290	78.3290
112 4-Nitroaniline	138	8.173	8.167	(1.066)	411994	83.8464	83.8464
113 4,6-Dinitro-2-methylphenol	198	8.179	8.179	(0.916)	270360	78.0178	78.0178
115 N-nitrosodiphenylamine	169	8.226	8.226	(0.922)	1122664	64.4701	64.4701
116 Azobenzene	77	8.261	8.255	(1.077)	1598233	82.6093	82.6093
234 1,2-DPH(as Azobenzene)	77	8.261	8.255	(1.077)	1598233	83.5159	83.5159
242 2,4,6 - Tribromophenol	330	8.355	8.355	(1.090)	320943	124.706	124.706
124 4-Bromophenyl phenyl ether	248	8.537	8.537	(0.957)	438239	78.7924	78.7924
125 Hexachlorobenzene	284	8.608	8.608	(0.964)	473764	79.7429	79.7429
129 Pentachlorophenol	266	8.766	8.766	(0.982)	283130	74.6790	74.6790
136 Phenanthrene	178	8.949	8.943	(1.003)	2261950	79.0600	79.0600
137 Anthracene	178	8.990	8.990	(1.007)	2277867	79.2412	79.2412
140 Carbazole	167	9.113	9.107	(1.021)	2150698	79.7111	79.7111
143 Di-n-butyl phthalate	149	9.301	9.295	(1.042)	2550143	85.8342	85.8342
149 Fluoranthene	202	9.895	9.877	(1.109)	2489484	81.5240	81.5240

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
152 Pyrene	202	10.083	10.065	(0.911)	2538637	78.3234	78.3234
159 Butyl benzyl phthalate	149	10.500	10.465	(0.949)	1158299	79.9394	79.9394
165 Benzo(a)anthracene	228	11.058	11.005	(0.999)	2374862	77.3614	77.3614
167 Chrysene	228	11.093	11.034	(1.002)	2388651	76.5022	76.5022(H)
162 Bis(2-ethylhexyl) phthalate	149	10.917	10.870	(0.986)	1536943	79.9406	79.9406
168 Di-n-octyl phthalate	149	11.446	11.369	(1.034)	2391985	76.0445	76.0445(H)
171 Benzo(b)fluoranthene	252	11.998	11.922	(0.967)	2145586	73.9448	73.9448
172 Benzo(k)fluoranthene	252	12.027	11.951	(0.969)	2836276	86.1754	86.1754(H)
178 Benzo(a)pyrene	252	12.350	12.274	(0.995)	2010947	75.4424	75.4424
186 Indeno(1,2,3-cd)pyrene	276	13.761	13.661	(1.243)	2419345	79.3817	79.3817
185 Dibenz(a,h)anthracene	278	13.755	13.655	(1.108)	1976662	81.3463	81.3463
188 Benzo(g,h,i)perylene	276	14.184	14.090	(1.143)	2016068	80.1865	80.1865
19 Methyl Styrene	118	4.471	4.472	(0.943)	740204	79.7945	79.7945
141 Alachlor	188	9.166	9.160	(1.027)	326935	84.5114	84.5114
127 Atrazine	200	8.643	8.637	(0.968)	326256	60.0124	60.0124
67 Caprolactam	55	6.369	6.358	(1.069)	292204	80.8044	80.8044
79 2,3-Dichlorobenzeneamine	161	6.945	6.945	(0.906)	739697	79.3846	79.3846
21 Decane	43	4.524	4.524	(0.954)	694992	81.7846	81.7846
56 n-Dodecane	43	5.864	5.864	(0.765)	688655	80.6181	80.6181
83 Tetradecane	43	7.027	7.021	(0.916)	692046	81.2981	81.2981
128 n-Octadecane	85	8.719	8.719	(0.977)	391796	83.7138	83.7138
144 n-Eicosane	43	9.360	9.360	(1.221)	712448	82.4483	82.4483
150 n-docosane	43	9.947	9.930	(1.297)	717356	85.4404	85.4404
4 1,4-Dioxane	88	2.315	2.321	(0.488)	283674	78.2951	78.2951

QC Flag Legend

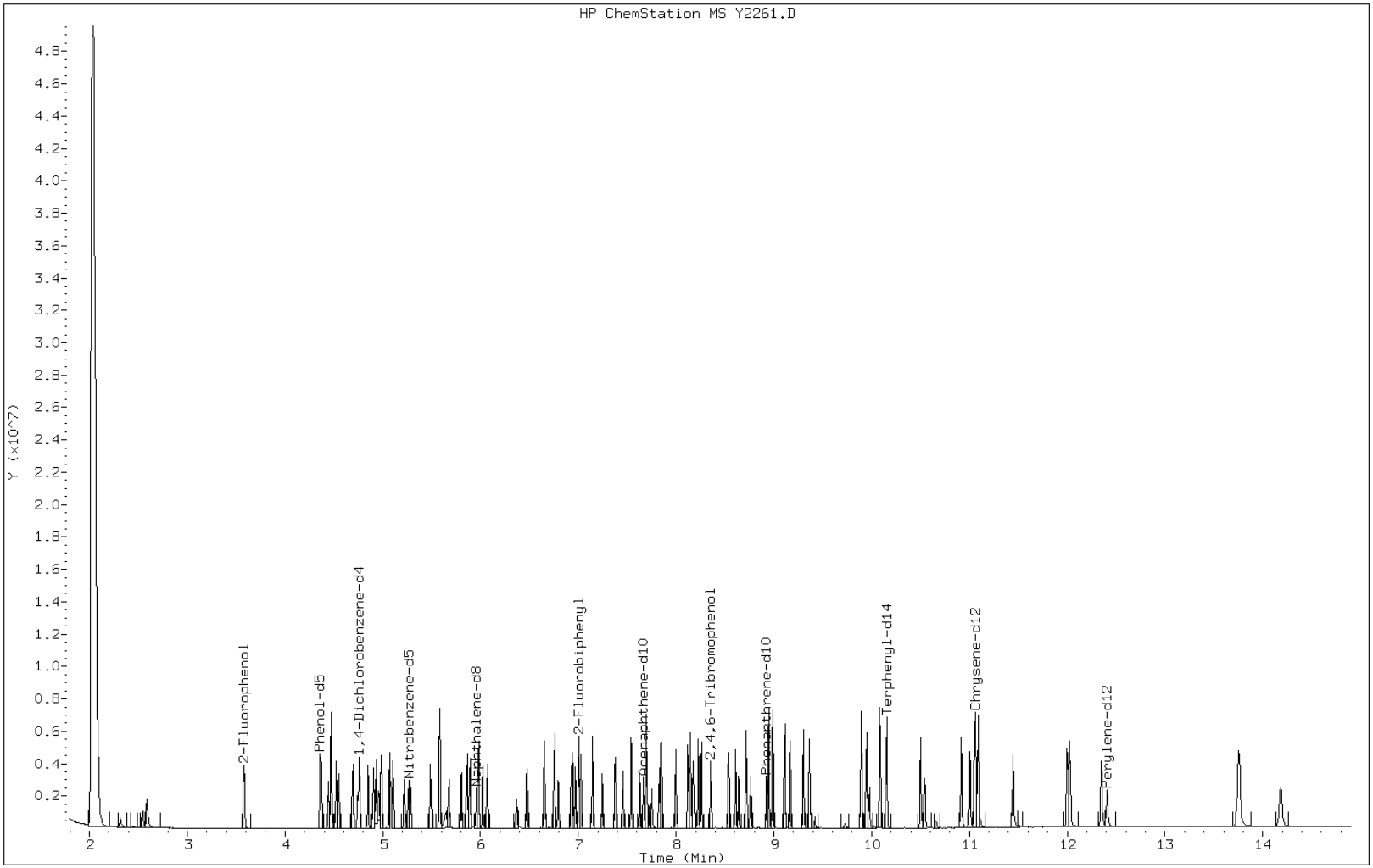
H - Operator selected an alternate compound hit.

Data File: Y2261.D

Date: 15-AUG-2011 13:08

Client ID: Instrument: Y.i

Sample Info: ICV-885219,,MS-HSLSSV Operator: TINKHAMS



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Lab Sample ID: CCV 280-83782/2 Calibration Date: 08/29/2011 19:39

Instrument ID: MSS_Y Calib Start Date: 08/15/2011 10:06

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 08/15/2011 12:30

Lab File ID: Y2524.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5873	0.5633		76.7	80.0	-4.1	35.0
N-Nitrosodimethylamine	Ave	0.8683	0.8708		80.2	80.0	0.3	35.0
Pyridine	Ave	1.548	1.518		78.4	80.0	-2.0	35.0
Phenol	Ave	1.754	1.737		79.2	80.0	-1.0	20.0
Aniline	Ave	2.160	2.145		79.4	80.0	-0.7	35.0
Bis(2-chloroethyl)ether	Ave	1.325	1.244		75.1	80.0	-6.1	35.0
2-Chlorophenol	Ave	1.486	1.451		78.1	80.0	-2.3	35.0
1,3-Dichlorobenzene	Ave	1.677	1.646		78.5	80.0	-1.9	35.0
1,4-Dichlorobenzene	Ave	1.698	1.673		78.8	80.0	-1.5	20.0
Benzyl alcohol	Ave	0.9118	0.9136		80.2	80.0	0.2	35.0
1,2-Dichlorobenzene	Ave	1.591	1.567		78.8	80.0	-1.5	35.0
2-Methylphenol	Ave	1.318	1.322		80.3	80.0	0.3	35.0
2,2'-oxybis[1-chloropropane]	Ave	1.828	1.765		690	80.0	-3.4	35.0
3 & 4 Methylphenol	Ave	1.389	1.389		80.0	80.0	0.0	35.0
4-Methylphenol	Ave	1.389	1.389		80.0	80.0	0.0	35.0
N-Nitrosodi-n-propylamine	Ave	1.059	1.048		79.1	80.0	-1.1	35.0
Acetophenone	Ave	1.959	1.942		79.3	80.0	-0.9	35.0
Hexachloroethane	Ave	0.6312	0.6256		79.3	80.0	-0.9	35.0
Nitrobenzene	Ave	0.3890	0.3952		81.3	80.0	1.6	35.0
Isophorone	Ave	0.6653	0.6689		80.4	80.0	0.5	35.0
2,4-Dimethylphenol	Ave	0.3635	0.3791		83.4	80.0	4.3	35.0
2-Nitrophenol	Ave	0.1947	0.1976		81.2	80.0	1.5	20.0
Benzoic acid	Lin2	0.1823	0.1602		68.5	80.0	-14.4	35.0
Bis(2-chloroethoxy)methane	Ave	0.4021	0.3982		79.2	80.0	-1.0	35.0
2,4-Dichlorophenol	Ave	0.3032	0.3095		81.7	80.0	2.1	20.0
1,2,4-Trichlorobenzene	Ave	0.3457	0.3479		80.5	80.0	0.6	35.0
Naphthalene	Ave	1.085	1.094		80.7	80.0	0.8	35.0
4-Chloroaniline	Ave	0.4540	0.4623		81.5	80.0	1.8	35.0
Hexachlorobutadiene	Ave	0.1970	0.1993		80.9	80.0	1.2	20.0
Caprolactam	Ave	0.1463	0.1482		81.0	80.0	1.3	35.0
4-Chloro-3-methylphenol	Ave	0.3208	0.3279		81.8	80.0	2.2	20.0
2-Methylnaphthalene	Ave	0.7381	0.7135		77.3	80.0	-3.3	35.0
1-Methylnaphthalene	Ave	0.7015	0.6747		76.9	80.0	-3.8	35.0
Hexachlorocyclopentadiene	Ave	0.3170	0.3239		81.7	80.0	2.2	35.0
2,4,6-Trichlorophenol	Ave	0.3535	0.3644		82.5	80.0	3.1	20.0
2,4,5-Trichlorophenol	Ave	0.3907	0.3958		81.0	80.0	1.3	35.0
2-Chloronaphthalene	Ave	1.129	1.146		81.2	80.0	1.5	35.0
2-Nitroaniline	Ave	0.3459	0.3619		83.7	80.0	4.6	35.0
Dimethyl phthalate	Ave	1.296	1.340		82.8	80.0	3.4	35.0
2,6-Dinitrotoluene	Ave	0.3098	0.3090		79.8	80.0	-0.3	35.0
Acenaphthylene	Ave	1.784	1.857		83.3	80.0	4.1	35.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Lab Sample ID: CCV 280-83782/2 Calibration Date: 08/29/2011 19:39

Instrument ID: MSS_Y Calib Start Date: 08/15/2011 10:06

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 08/15/2011 12:30

Lab File ID: Y2524.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3-Nitroaniline	Ave	0.3329	0.3442		82.7	80.0	3.4	35.0
Acenaphthene	Ave	1.175	1.199		81.6	80.0	2.0	20.0
2,4-Dinitrophenol	Lin2	0.1528	0.1501		74.6	80.0	-6.7	35.0
4-Nitrophenol	Ave	0.1888	0.2016		85.4	80.0	6.8	35.0
2,4-Dinitrotoluene	Ave	0.3932	0.4145		84.3	80.0	5.4	35.0
Dibenzofuran	Ave	1.614	1.624		80.5	80.0	0.6	35.0
Diethyl phthalate	Ave	1.280	1.312		82.0	80.0	2.5	35.0
4-Chlorophenyl phenyl ether	Ave	0.6440	0.6628		82.3	80.0	2.9	35.0
Fluorene	Ave	1.353	1.403		82.9	80.0	3.7	35.0
4-Nitroaniline	Ave	0.3307	0.3553		86.0	80.0	7.4	35.0
4,6-Dinitro-2-methylphenol	Ave	0.1391	0.1413		81.3	80.0	1.6	35.0
N-Nitrosodiphenylamine	Ave	0.6988	0.7086		81.1	80.0	1.4	20.0
1,2-Diphenylhydrazine	Ave	1.288	1.336		83.9	80.9	3.7	35.0
4-Bromophenyl phenyl ether	Ave	0.2232	0.2266		81.2	80.0	1.5	35.0
Hexachlorobenzene	Ave	0.2384	0.2439		81.8	80.0	2.3	35.0
Atrazine	Ave	0.2182	0.2265		83.1	80.0	3.8	35.0
Pentachlorophenol	Ave	0.1522	0.1522		80.0	80.0	0.0	20.0
Phenanthrene	Ave	1.148	1.167		81.3	80.0	1.7	35.0
Anthracene	Ave	1.154	1.195		82.9	80.0	3.6	35.0
Carbazole	Ave	1.083	1.128		83.3	80.0	4.2	35.0
Di-n-butyl phthalate	Ave	1.192	1.305		87.6	80.0	9.5	35.0
Fluoranthene	Ave	1.226	1.308		85.4	80.0	6.7	20.0
Benzidine	Ave	0.6831	0.6582		77.1	80.0	-3.6	35.0
Pyrene	Ave	1.147	1.177		82.1	80.0	2.6	35.0
Famphur	Lin2	0.3650	0.4259		85.7	80.0	7.2	35.0
Butyl benzyl phthalate	Ave	0.5126	0.5375		83.9	80.0	4.9	35.0
Bis(2-ethylhexyl) phthalate	Lin2	0.6057	0.6980		82.0	80.0	2.5	35.0
3,3'-Dichlorobenzidine	Ave	0.3901	0.4228		86.7	80.0	8.4	35.0
Benzo[a]anthracene	Ave	1.086	1.110		81.8	80.0	2.2	35.0
Chrysene	Ave	1.105	1.102		79.8	80.0	-0.3	35.0
Di-n-octyl phthalate	Lin2	0.9731	1.139		81.7	80.0	2.1	20.0
Benzo[b]fluoranthene	Ave	1.167	1.215		83.3	80.0	4.1	35.0
Benzo[k]fluoranthene	Ave	1.323	1.355		81.9	80.0	2.4	35.0
Benzo[a]pyrene	Ave	1.072	1.156		86.3	80.0	7.8	20.0
Dibenz(a,h)anthracene	Ave	0.9771	1.064		87.1	80.0	8.9	35.0
Indeno[1,2,3-cd]pyrene	Ave	1.078	1.175		87.2	80.0	9.0	35.0
Benzo[g,h,i]perylene	Ave	1.011	1.079		85.3	80.0	6.7	35.0
2-Fluorophenol (Surr)	Ave	1.356	1.362		121	120	0.5	35.0
Phenol-d5 (Surr)	Ave	1.729	1.702		118	120	-1.5	35.0
Nitrobenzene-d5 (Surr)	Ave	0.3940	0.3985		80.9	80.0	1.1	35.0
2-Fluorobiphenyl	Ave	1.321	1.330		80.5	80.0	0.7	35.0

FORM VII 8270C/DoD

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Lab Sample ID: CCV 280-83782/2 Calibration Date: 08/29/2011 19:39

Instrument ID: MSS_Y Calib Start Date: 08/15/2011 10:06

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 08/15/2011 12:30

Lab File ID: Y2524.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,6-Tribromophenol (Surr)	Ave	0.1732	0.1942		135	120	12.1	35.0
Terphenyl-d14 (Surr)	Ave	0.8046	0.8166		81.2	80.0	1.5	35.0

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\Y2524.D
Lab Smp Id: CCV-921008
Inj Date : 29-AUG-2011 19:39
Operator : TINKHAMS Inst ID: Y.i
Smp Info : CCV-921008,,MS-HSL080
Misc Info :
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\8270C.m
Meth Date : 29-Aug-2011 20:27 Y.i Quant Type: ISTD
Cal Date : 25-AUG-2011 22:59 Cal File: Y2478.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.706	4.706	(1.000)	265141	40.0000	
* 58 Naphthalene-d8	136	5.934	5.934	(1.000)	1034964	40.0000	
* 96 Acenaphthene-d10	164	7.644	7.644	(1.000)	595184	40.0000	
* 135 Phenanthrene-d10	188	8.907	8.907	(1.000)	997691	40.0000	
* 166 Chrysene-d12	240	11.028	11.028	(1.000)	1142032	40.0000	
* 179 Perylene-d12	264	12.344	12.344	(1.000)	1038400	40.0000	
$ 22 2-Chlorophenol-d4	132	4.495	4.495	(0.955)	1168167	120.000	118.262
$ 29 1,2-Dichlorobenzene-d4	152	4.853	4.853	(1.031)	545174	80.0000	78.7051
$ 8 2-Fluorophenol	112	3.508	3.508	(0.745)	1083609	120.000	120.560
$ 15 Phenol-d5	99	4.324	4.324	(0.919)	1354103	120.000	118.155
$ 43 Nitrobenzene-d5	82	5.235	5.235	(0.882)	824946	80.0000	80.9166
$ 81 2-Fluorobiphenyl	172	6.980	6.980	(0.913)	1583727	80.0000	80.5420
$ 118 2,4,6-Tribromophenol	330	8.337	8.337	(1.091)	346786	120.000	134.555
$ 154 Terphenyl-d14	244	10.124	10.124	(0.918)	1865056	80.0000	81.1833
4 1,4-Dioxane	88	2.156	2.156	(0.458)	298715	80.0000	76.7261
5 N-Nitrosodimethylamine	74	2.403	2.403	(0.511)	461751	80.0000	80.2270
6 Pyridine	79	2.444	2.444	(0.519)	804738	80.0000	78.4342
16 Phenol	94	4.336	4.336	(0.921)	921316	80.0000	79.2341
18 Aniline	93	4.401	4.401	(0.935)	1137645	80.0000	79.4416
19 Methyl Styrene	118	4.430	4.430	(0.941)	792408	80.0000	79.4953
20 Bis(2-chloroethyl) ether	93	4.430	4.430	(0.941)	659641	80.0000	75.1300
21 Decane	43	4.483	4.483	(0.953)	694897	80.0000	76.0998

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
23 2-Chlorophenol	128	4.507	4.507	(0.958)	769509	80.0000	78.1231
25 1,3-Dichlorobenzene	146	4.653	4.653	(0.989)	872834	80.0000	78.5190
27 1,4-Dichlorobenzene	146	4.718	4.718	(1.002)	886934	80.0000	78.7977
28 Benzyl alcohol	108	4.818	4.818	(1.024)	484479	80.0000	80.1634
30 1,2-Dichlorobenzene	146	4.865	4.865	(1.034)	830930	80.0000	78.7920
32 2-Methylphenol	108	4.900	4.900	(1.041)	701099	80.0000	80.2520
34 2,2'-oxybis(1-chloropropane)	45	4.924	4.924	(1.046)	936059	80.0000	77.2423
35 1H-Indene	116	4.947	4.947	(1.051)	1186329	80.0000	78.7509
138 3-Methylphenol	108	5.047	5.047	(1.072)	736667	80.0000	80.0324
36 4-Methylphenol	108	5.047	5.047	(1.072)	736667	80.0000	80.0324
139 3 & 4-Methylphenol	108	5.047	5.047	(1.072)	736667	80.0000	80.0324
37 N-nitrosodi-n-propylamine	70	5.053	5.053	(1.074)	555580	80.0000	79.1329
38 Acetophenone	105	5.076	5.076	(1.079)	1029775	80.0000	79.3021
41 Hexachloroethane	117	5.188	5.188	(1.102)	331724	80.0000	79.2830
44 Nitrobenzene	77	5.253	5.253	(0.885)	818012	80.0000	81.2793
47 Isophorone	82	5.458	5.458	(0.920)	1384488	80.0000	80.4313
50 2,4-Dimethylphenol	107	5.558	5.558	(0.937)	784681	80.0000	83.4222
49 2-Nitrophenol	139	5.558	5.558	(0.937)	408973	80.0000	81.1922
53 Benzoic acid	122	5.629	5.629	(0.949)	331649	80.0000	68.4799
52 Bis(2-chloroethoxy)methane	93	5.652	5.652	(0.952)	824299	80.0000	79.2229
54 2,4-Dichlorophenol	162	5.776	5.776	(0.973)	640688	80.0000	81.6566
56 n-Dodecane	43	5.840	5.840	(0.764)	713190	80.0000	83.3711
57 1,2,4-Trichlorobenzene	180	5.870	5.870	(0.989)	720132	80.0000	80.5020
59 Naphthalene	128	5.952	5.952	(1.003)	2264945	80.0000	80.6740
60 4-Chloroaniline	127	5.999	5.999	(1.011)	957002	80.0000	81.4652
62 Hexachlorobutadiene	225	6.046	6.046	(1.019)	412535	80.0000	80.9267
67 Caprolactam	55	6.340	6.340	(1.068)	306660	80.0000	81.0364
68 4-Chloro-3-methylphenol	107	6.451	6.451	(1.087)	678733	80.0000	81.7836
71 2-Methylnaphthalene	142	6.628	6.628	(1.117)	1476884	80.0000	77.3298
72 1-Methylnaphthalene	142	6.733	6.733	(1.135)	1396626	80.0000	76.9459
74 Hexachlorocyclopentadiene	237	6.769	6.769	(0.885)	385497	80.0000	81.7267
78 2,4,6-Trichlorophenol	196	6.904	6.904	(0.903)	433810	80.0000	82.4751
79 2,3-Dichlorobenzeneamine	161	6.916	6.916	(0.905)	760712	80.0000	81.5233
80 2,4,5-Trichlorophenol	196	6.945	6.945	(0.909)	471200	80.0000	81.0458
83 Tetradecane	43	7.004	7.004	(0.916)	690220	80.0000	80.9678
86 2-Chloronaphthalene	162	7.121	7.121	(0.932)	1364092	80.0000	81.1943
88 2-Nitroaniline	65	7.221	7.221	(0.945)	430798	80.0000	83.7016
91 Dimethyl phthalate	163	7.356	7.356	(0.962)	1595506	80.0000	82.7563
93 2,6-Dinitrotoluene	165	7.433	7.433	(0.972)	367810	80.0000	79.7793
94 Acenaphthylene	152	7.521	7.521	(0.984)	2210817	80.0000	83.2899
95 3-Nitroaniline	138	7.603	7.603	(0.995)	409777	80.0000	82.7356
97 Acenaphthene	153	7.673	7.673	(1.004)	1426924	80.0000	81.6004
98 2,4-Dinitrophenol	184	7.697	7.697	(1.007)	178635	80.0000	74.6321
99 4-Nitrophenol	109	7.732	7.732	(1.012)	240013	80.0000	85.4480
101 2,4-Dinitrotoluene	165	7.803	7.803	(1.021)	493426	80.0000	84.3278
102 Dibenzofuran	168	7.826	7.826	(1.024)	1933392	80.0000	80.5130
105 Hexadecane	57	7.944	7.944	(1.039)	865991	80.0000	82.1390
107 Diethyl phthalate	149	7.979	7.979	(1.044)	1561423	80.0000	81.9804
109 4-Chlorophenyl phenyl ether	204	8.102	8.102	(1.060)	788949	80.0000	82.3284
110 Fluorene	166	8.126	8.126	(1.063)	1669620	80.0000	82.9255
112 4-Nitroaniline	138	8.149	8.149	(1.066)	422967	80.0000	85.9566
113 4,6-Dinitro-2-methylphenol	198	8.161	8.161	(0.916)	281838	80.0000	81.2502
115 N-nitrosodiphenylamine	169	8.208	8.208	(0.922)	1413980	80.0000	81.1196
116 Azobenzene	77	8.237	8.237	(1.078)	1607463	80.0000	82.9677

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
234 1,2-DPH(as Azobenzene)	77	8.237	8.237	(1.078)	1607463	80.8780	83.8783
242 2,4,6 - Tribromophenol	330	8.337	8.337	(1.091)	346786	120.000	134.555
124 4-Bromophenyl phenyl ether	248	8.514	8.514	(0.956)	452164	80.0000	81.2163
125 Hexachlorobenzene	284	8.584	8.584	(0.964)	486573	80.0000	81.8185
127 Atrazine	200	8.619	8.619	(0.968)	451981	80.0000	83.0570
128 n-Octadecane	85	8.702	8.702	(0.977)	395341	80.0000	84.3884
129 Pentachlorophenol	266	8.743	8.743	(0.982)	303645	80.0000	80.0115
136 Phenanthrene	178	8.925	8.925	(1.002)	2328905	80.0000	81.3203
137 Anthracene	178	8.966	8.966	(1.007)	2384947	80.0000	82.8848
140 Carbazole	167	9.089	9.089	(1.020)	2250834	80.0000	83.3405
141 Alachlor	188	9.142	9.142	(1.026)	320367	80.0000	82.7323
143 Di-n-butyl phthalate	149	9.277	9.277	(1.042)	2604129	80.0000	87.5652
144 n-Eicosane	43	9.342	9.342	(1.222)	715136	80.0000	82.6412
149 Fluoranthene	202	9.865	9.865	(1.108)	2609247	80.0000	85.3621
150 n-docosane	43	9.924	9.924	(1.298)	714041	80.0000	84.9241
151 Benzidine	184	9.947	9.947	(0.902)	1503419	80.0000	77.0880
152 Pyrene	202	10.059	10.059	(0.912)	2687767	80.0000	82.1041
158 Famphur	218	10.447	10.447	(0.947)	972833	80.0000	85.7439
159 Butyl benzyl phthalate	149	10.470	10.470	(0.949)	1227774	80.0000	83.8960
162 Bis(2-ethylhexyl) phthalate	149	10.881	10.881	(0.987)	1594182	80.0000	82.0337(H)
164 3 3'-Dichlorobenzidine	252	10.970	10.970	(0.995)	965776	80.0000	86.7180
165 Benzo(a)anthracene	228	11.017	11.017	(0.999)	2535165	80.0000	81.7663
167 Chrysene	228	11.052	11.052	(1.002)	2516223	80.0000	79.7908(H)
168 Di-n-octyl phthalate	149	11.398	11.398	(1.034)	2600669	80.0000	81.6548
171 Benzo(b)fluoranthene	252	11.945	11.945	(0.968)	2523690	80.0000	83.3173
172 Benzo(k)fluoranthene	252	11.968	11.968	(0.970)	2814155	80.0000	81.9068(H)
178 Benzo(a)pyrene	252	12.292	12.292	(0.996)	2400440	80.0000	86.2667
185 Dibenz(a,h)anthracene	278	13.661	13.661	(1.107)	2209270	80.0000	87.0947
186 Indeno(1,2,3-cd)pyrene	276	13.672	13.672	(1.240)	2682991	80.0000	87.1615
188 Benzo(g,h,i)perylene	276	14.095	14.095	(1.142)	2240048	80.0000	85.3476

QC Flag Legend

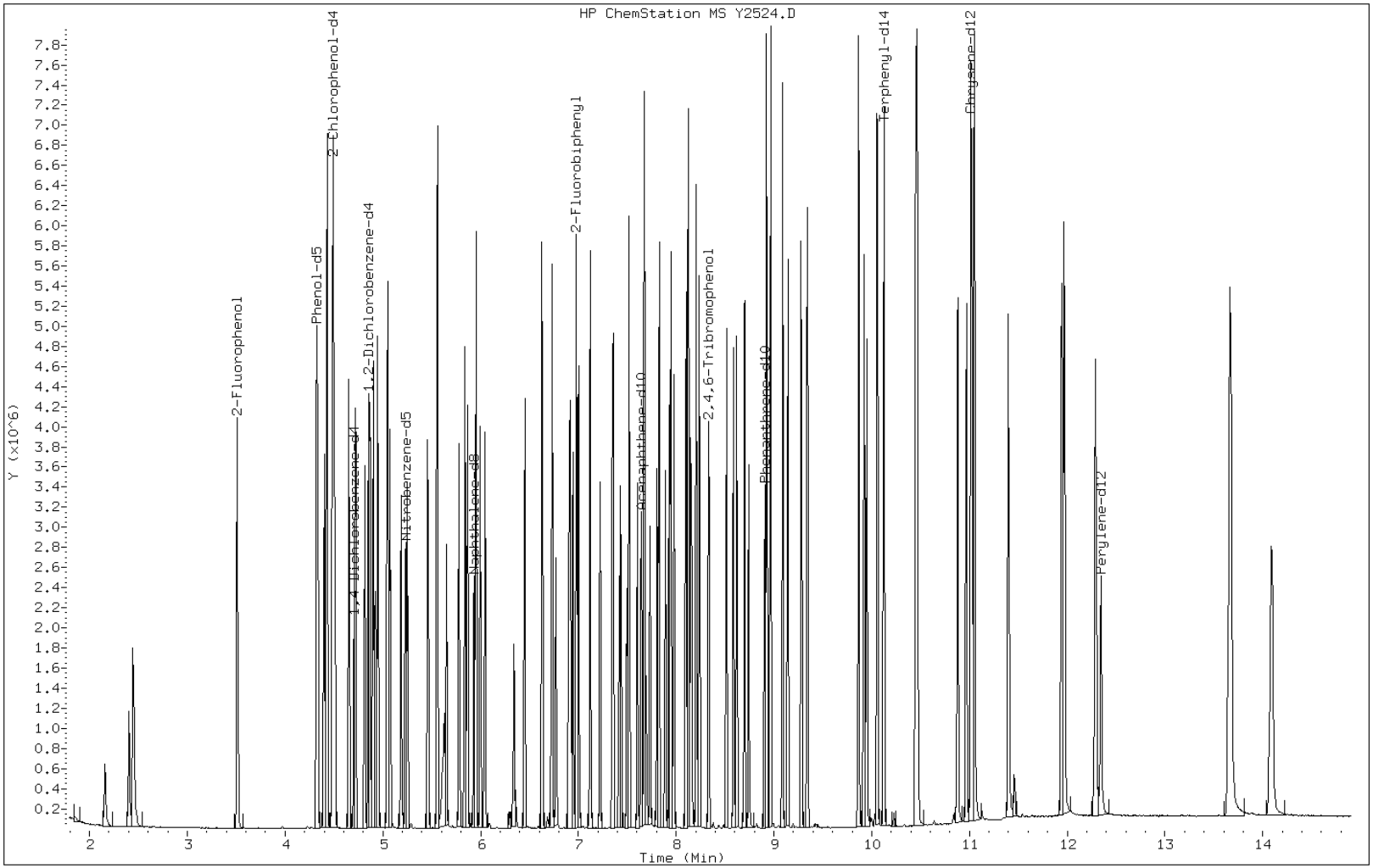
H - Operator selected an alternate compound hit.

Data File: Y2524.D

Date: 29-AUG-2011 19:39

Client ID: Instrument: Y.i

Sample Info: CCV-921008,,MS-HSL080 Operator: TINKHAMS



TestAmerica

Data file : \\DenSvr03\Public\chem\MSS\Y.i\081511.b\Y2252.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 15-AUG-2011 09:55
Operator : TINKHAMS Inst ID: Y.i
Smp Info : DFTPP-376445,,DFTPP-28
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\Y.i\081511.b\DFTPPC.m
Meth Date : 11-Jul-2011 21:41 tinkhams Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC246

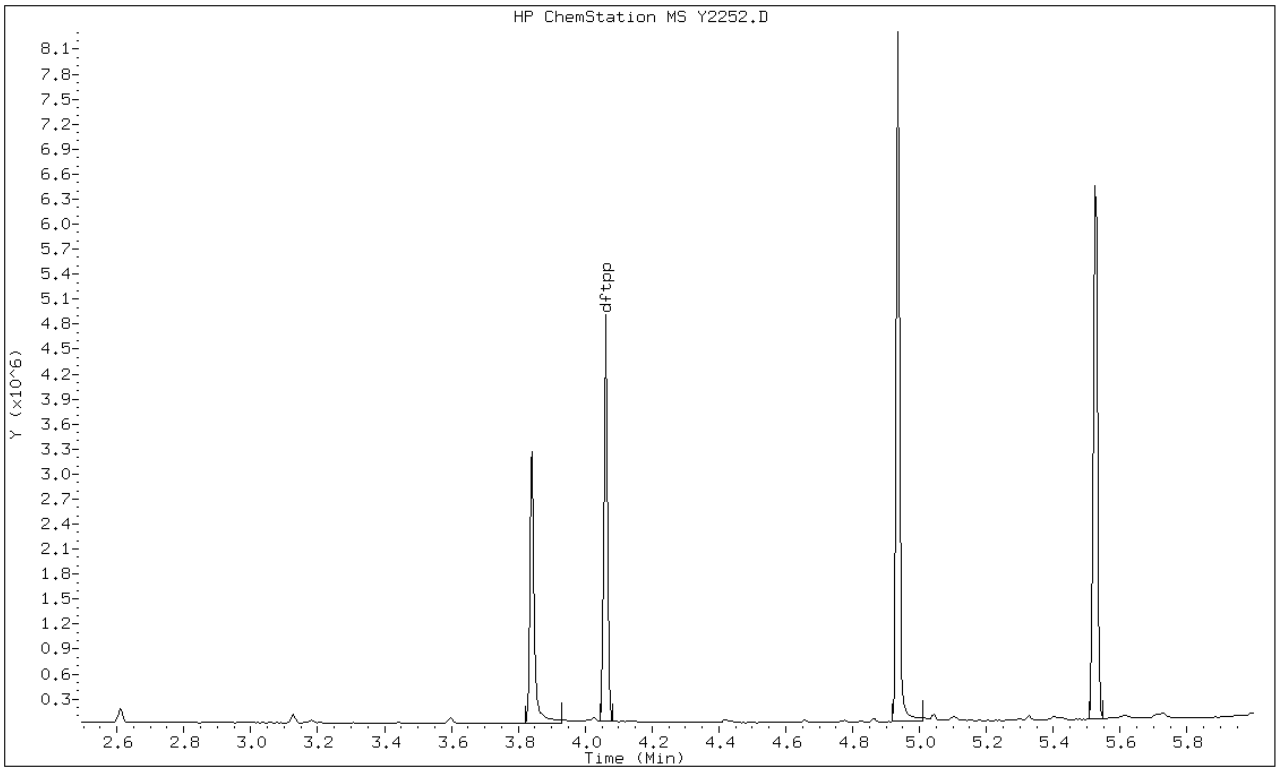
RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
4.060	4.190	-0.130	198	379328			0.00- 100.00	100.00
4.060	4.190	-0.130	51	166528			30.00- 60.00	43.90
4.060	4.190	-0.130	68	0	0.0	0.0	0.00- 2.00	0.00
4.060	4.190	-0.130	69	169472			0.00- 0.00	44.68
4.060	4.190	-0.130	70	323			0.00- 2.00	0.19
4.060	4.190	-0.130	127	203456			40.00- 60.00	53.64
4.060	4.190	-0.130	197	0	0.0	0.0	0.00- 1.00	0.00
4.060	4.190	-0.130	199	25880			5.00- 9.00	6.82
4.060	4.190	-0.130	275	99328			10.00- 30.00	26.19
4.060	4.190	-0.130	365	12413			1.00- 0.00	3.27
4.060	4.190	-0.130	441	19728			0.01- 99.99	47.60
4.060	4.190	-0.130	442	218816			40.00- 100.00	57.69
4.060	4.190	-0.130	443	41448			17.00- 23.00	18.94

Data File: Y2252.D

Date: 15-AUG-2011 09:55

Client ID: DFTPP | Instrument: Y.i

Sample Info: DFTPP-376445,,DFTPP-28 | Operator: TINKHAMS



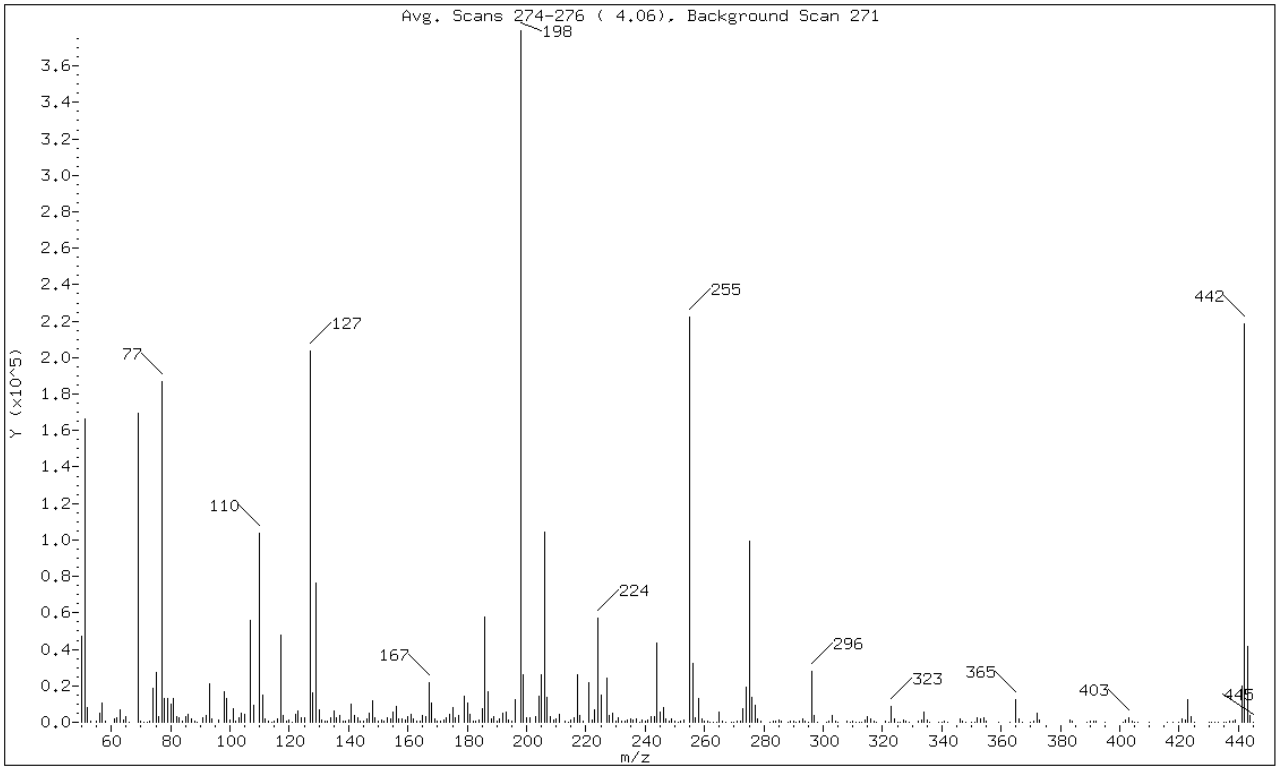
Data File: Y2252.D

Date: 15-AUG-2011 09:55

Client ID: DFTPP Instrument: Y.i

Sample Info: DFTPP-376445,,DFTPP-28 Operator: TINKHAMS

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	43.90
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	44.68
70	Less than 2.00% of mass 69	0.09 (0.19)
127	40.00 - 60.00% of mass 198	53.64
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.82
275	10.00 - 30.00% of mass 198	26.19
365	Greater than 1.00% of mass 198	3.27
441	Present, but less than mass 443	5.20
442	40.00 - 100.00% of mass 198	57.69
443	17.00 - 23.00% of mass 442	10.93 (18.94)

Data File: Y2252.D

Date: 15-AUG-2011 09:55

Client ID: DFTPP Instrument: Y.i

Sample Info: DFTPP-376445,,DFTPP-28 Operator: TINKHAMS

Data File: \\DenSvr03\Public\chem\MSS\Y.i\081511.b\Y2252.D
Spectrum: Avg. Scans 274-276 (4.06), Background Scan 271
Location of Maximum: 198.00
Number of points: 315

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	47160	140.00	1228	224.00	57112	313.00	223
51.00	166528	141.00	9675	225.00	14930	314.00	1532
52.00	8278	142.00	3434	227.00	24400	315.00	2940
53.00	498	143.00	2384	228.00	3884	316.00	1884
55.00	798	144.00	658	229.00	4990	317.00	405
56.00	4744	145.00	405	230.00	830	318.00	71
57.00	10290	146.00	2060	231.00	2235	321.00	880
58.00	481	147.00	4942	232.00	535	322.00	215
61.00	2131	148.00	12041	233.00	457	323.00	8939
62.00	2789	149.00	2415	234.00	1450	324.00	1585
63.00	6744	150.00	645	235.00	1948	325.00	228
64.00	1105	151.00	1375	236.00	1164	326.00	127
65.00	3214	152.00	661	237.00	1991	327.00	1490
66.00	46	153.00	2725	238.00	265	328.00	898
69.00	169472	154.00	1843	239.00	1089	329.00	162
70.00	323	155.00	5624	240.00	695	332.00	592
71.00	30	156.00	8610	241.00	1375	333.00	1044
72.00	252	157.00	1698	242.00	3020	334.00	5773
73.00	643	158.00	1878	243.00	3218	335.00	1507
74.00	18400	159.00	1394	244.00	43376	336.00	184
75.00	27488	160.00	2977	245.00	5654	339.00	110
76.00	2927	161.00	4621	246.00	8325	340.00	147
77.00	187008	162.00	1587	247.00	1745	341.00	811
78.00	12991	163.00	428	248.00	535	342.00	245
79.00	12839	164.00	627	249.00	1663	346.00	2033
80.00	9653	165.00	3446	250.00	416	347.00	510
81.00	12801	166.00	3203	251.00	297	348.00	50
82.00	3220	167.00	21752	252.00	544	350.00	60
83.00	2781	168.00	10380	253.00	1209	351.00	256
84.00	712	169.00	1602	255.00	222336	352.00	2369
85.00	2913	170.00	924	256.00	32120	353.00	2013
86.00	4050	171.00	843	257.00	2484	354.00	2469
87.00	1936	172.00	1521	258.00	13187	355.00	409
88.00	418	173.00	2389	259.00	2057	359.00	174
89.00	289	174.00	4263	260.00	348	363.00	120
91.00	2573	175.00	8267	261.00	505	365.00	12413
92.00	3667	176.00	2218	262.00	108	366.00	1943
93.00	21400	177.00	3795	263.00	65	367.00	128
94.00	1573	179.00	14169	264.00	298	370.00	131
96.00	1266	180.00	10564	265.00	5410	371.00	777

98.00	16960	181.00	4567	266.00	701	372.00	4753
99.00	12858	182.00	904	267.00	218	373.00	1092
100.00	1259	183.00	525	269.00	57	383.00	1114
101.00	7144	184.00	1361	270.00	261	384.00	339
102.00	414	185.00	7390	271.00	647	389.00	62
103.00	2602	186.00	57608	272.00	771	390.00	419
104.00	4677	187.00	16760	273.00	7170	391.00	414
105.00	4358	188.00	1853	274.00	18952	392.00	339
107.00	55984	189.00	3331	275.00	99328	395.00	50
108.00	9407	190.00	622	276.00	13951	401.00	246
110.00	103648	191.00	1805	277.00	9166	402.00	1508
111.00	15198	192.00	4928	278.00	1933	403.00	2264
112.00	1948	193.00	5312	279.00	394	404.00	734
113.00	714	194.00	1377	282.00	77	405.00	176
114.00	229	195.00	704	283.00	923	406.00	71
115.00	464	196.00	12333	284.00	751	410.00	56
116.00	1667	198.00	379328	285.00	1542	416.00	55
117.00	47936	199.00	25880	286.00	379	418.00	50
118.00	3621	200.00	2271	288.00	56	420.00	51
119.00	386	201.00	2392	289.00	385	421.00	1822
120.00	1110	203.00	3057	290.00	385	422.00	1094
121.00	205	204.00	14448	291.00	215	423.00	12665
122.00	4183	205.00	25880	292.00	390	424.00	3121
123.00	6062	206.00	104544	293.00	2020	425.00	289
124.00	2373	207.00	13453	294.00	600	430.00	89
125.00	2684	208.00	3358	295.00	112	431.00	56
127.00	203456	209.00	947	296.00	28216	432.00	233
128.00	16094	210.00	2037	297.00	3619	433.00	172
129.00	76416	211.00	4132	298.00	220	435.00	66
130.00	6774	213.00	383	301.00	253	436.00	124
131.00	1398	214.00	208	302.00	551	437.00	446
132.00	487	215.00	1084	303.00	3576	438.00	734
133.00	389	216.00	2290	304.00	781	439.00	1291
134.00	2240	217.00	26368	305.00	99	441.00	19728
135.00	6410	218.00	3657	308.00	384	442.00	218816
136.00	2369	219.00	327	309.00	310	443.00	41448
137.00	3469	221.00	21728	310.00	413	444.00	3923
138.00	784	222.00	1460	311.00	66	445.00	281
139.00	500	223.00	6587	312.00	63		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\Y2523.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 29-AUG-2011 19:10
Operator : TINKHAMS Inst ID: Y.i
Smp Info : DFTPP-376445,,DFTPP-28
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\DFTPPC.m
Meth Date : 11-Jul-2011 21:41 tinkhams Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC293

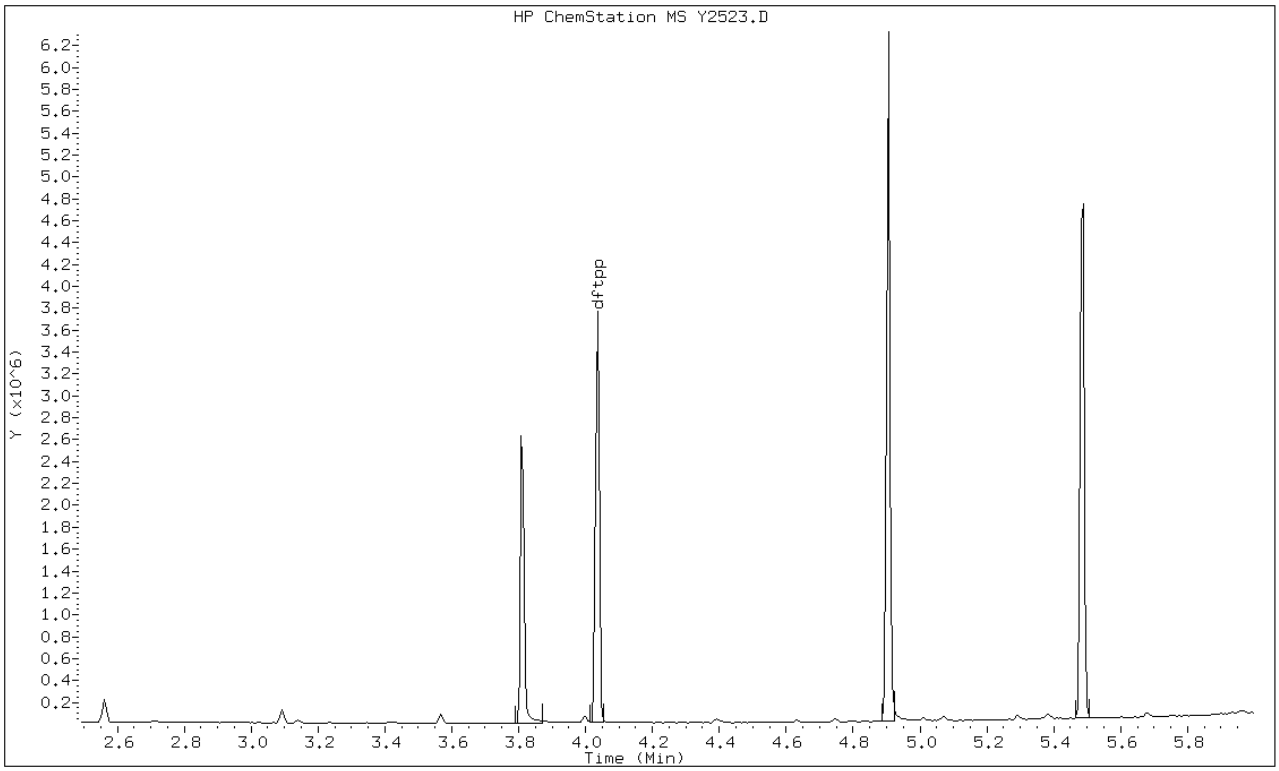
RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
4.036	4.190	-0.154	198	287360			0.00- 100.00	100.00
4.036	4.190	-0.154	51	120504			30.00- 60.00	41.93
4.036	4.190	-0.154	68	0	0.0	0.0	0.00- 2.00	0.00
4.036	4.190	-0.154	69	125720			0.00- 0.00	43.75
4.036	4.190	-0.154	70	510			0.00- 2.00	0.41
4.036	4.190	-0.154	127	147840			40.00- 60.00	51.45
4.036	4.190	-0.154	197	0	0.0	0.0	0.00- 1.00	0.00
4.036	4.190	-0.154	199	19968			5.00- 9.00	6.95
4.036	4.190	-0.154	275	79072			10.00- 30.00	27.52
4.036	4.190	-0.154	365	9875			1.00- 0.00	3.44
4.036	4.190	-0.154	441	14941			0.01- 99.99	45.28
4.036	4.190	-0.154	442	175232			40.00- 100.00	60.98
4.036	4.190	-0.154	443	33000			17.00- 23.00	18.83

Data File: Y2523.D

Date: 29-AUG-2011 19:10

Client ID: DFTPP Instrument: Y.i

Sample Info: DFTPP-376445,,DFTPP-28 Operator: TINKHAMS



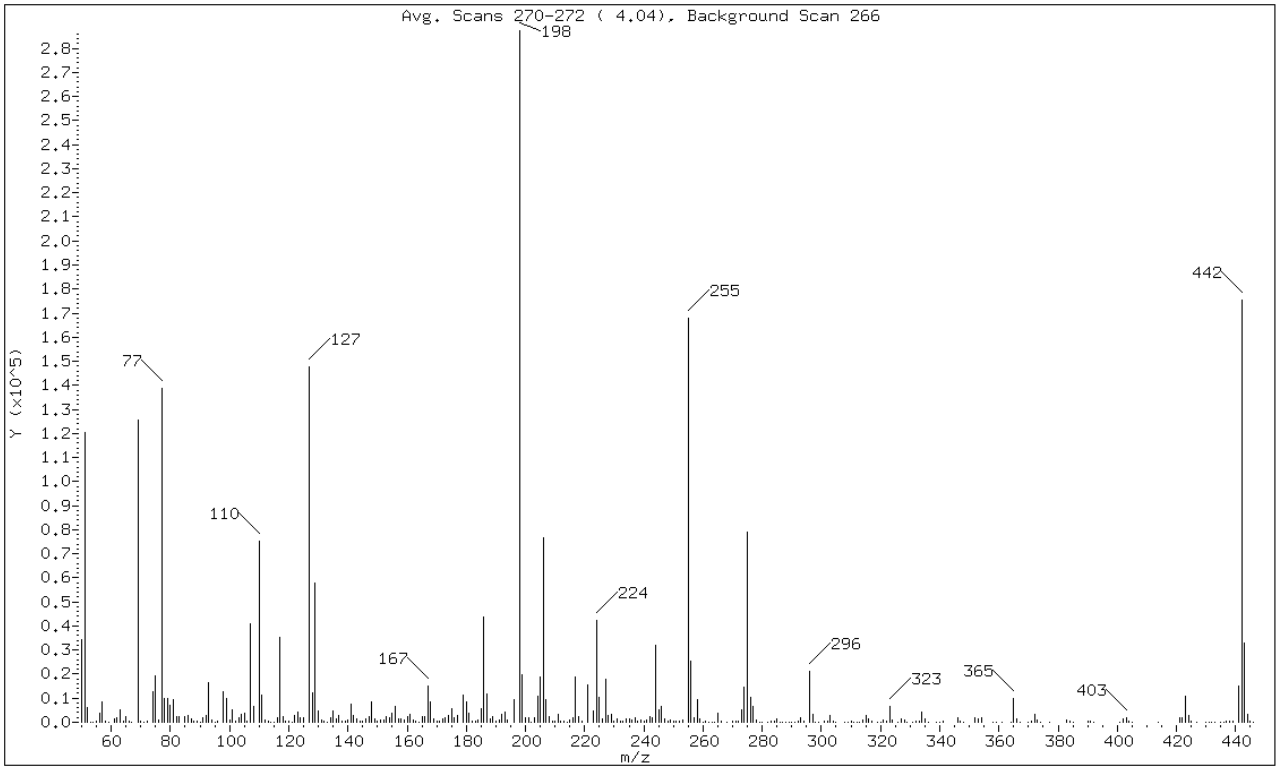
Data File: Y2523.D

Date: 29-AUG-2011 19:10

Client ID: DFTPP Instrument: Y.i

Sample Info: DFTPP-376445,,DFTPP-28 Operator: TINKHAMS

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	41.93
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	43.75
70	Less than 2.00% of mass 69	0.18 (0.41)
127	40.00 - 60.00% of mass 198	51.45
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.95
275	10.00 - 30.00% of mass 198	27.52
365	Greater than 1.00% of mass 198	3.44
441	Present, but less than mass 443	5.20
442	40.00 - 100.00% of mass 198	60.98
443	17.00 - 23.00% of mass 442	11.48 (18.83)

Data File: Y2523.D

Date: 29-AUG-2011 19:10

Client ID: DFTPP Instrument: Y.i

Sample Info: DFTPP-376445,,DFTPP-28 Operator: TINKHAMS

Data File: \\DenSvr03\Public\chem\MSS\Y.i\082911.B\Y2523.D
Spectrum: Avg. Scans 270-272 (4.04), Background Scan 266
Location of Maximum: 198.00
Number of points: 319

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	34280	137.00	2746	221.00	15392	310.00	286
51.00	120504	138.00	695	223.00	4838	311.00	86
52.00	6219	139.00	376	224.00	42352	312.00	111
53.00	205	140.00	882	225.00	10228	313.00	202
54.00	67	141.00	7439	226.00	1489	314.00	1157
55.00	643	142.00	2617	227.00	17768	315.00	2600
56.00	3737	143.00	1452	228.00	2606	316.00	1371
57.00	8297	144.00	469	229.00	3400	317.00	320
58.00	470	145.00	260	230.00	548	319.00	123
59.00	221	146.00	1379	231.00	1584	320.00	108
61.00	1582	147.00	2385	232.00	265	321.00	885
62.00	1795	148.00	8309	233.00	336	322.00	312
63.00	5017	149.00	1567	234.00	1420	323.00	6709
64.00	666	150.00	638	235.00	1211	324.00	897
65.00	2222	151.00	887	236.00	1008	326.00	180
66.00	265	152.00	810	237.00	1718	327.00	1484
67.00	121	153.00	2262	238.00	279	328.00	759
69.00	125720	154.00	1787	239.00	785	329.00	166
70.00	510	155.00	3879	240.00	697	331.00	82
71.00	135	156.00	6551	241.00	927	332.00	568
72.00	247	157.00	1228	242.00	2405	333.00	403
74.00	12688	158.00	1395	243.00	1947	334.00	4240
75.00	19296	159.00	1130	244.00	31944	335.00	1299
76.00	1035	160.00	2554	245.00	4984	336.00	108
77.00	138816	161.00	3181	246.00	6486	339.00	124
78.00	10029	162.00	726	247.00	1512	340.00	63
79.00	9954	163.00	390	248.00	471	341.00	590
80.00	7032	164.00	126	249.00	1139	346.00	1709
81.00	9218	165.00	2416	250.00	308	347.00	282
82.00	2212	166.00	2189	251.00	470	348.00	59
83.00	2229	167.00	15278	252.00	478	352.00	1978
85.00	2135	168.00	8367	253.00	789	353.00	1583
86.00	2981	169.00	1376	255.00	168128	354.00	2083
87.00	1438	170.00	546	256.00	25360	358.00	66
88.00	334	171.00	558	257.00	2108	359.00	50
89.00	360	172.00	1556	258.00	9483	361.00	73
90.00	81	173.00	1947	259.00	1517	364.00	58
91.00	2014	174.00	2851	260.00	192	365.00	9875
92.00	2770	175.00	5530	261.00	405	366.00	1393
93.00	16560	176.00	1815	262.00	51	367.00	86

94.00	884	177.00	2831	263.00	67	370.00	211
95.00	227	179.00	11251	264.00	221	371.00	485
96.00	553	180.00	8391	265.00	3697	372.00	3419
98.00	12799	181.00	3799	266.00	387	373.00	1161
99.00	9912	182.00	648	268.00	37	374.00	123
100.00	1005	183.00	518	270.00	317	377.00	60
101.00	5188	184.00	849	271.00	521	383.00	877
102.00	421	185.00	5515	272.00	539	384.00	298
103.00	1968	186.00	43888	273.00	5257	385.00	107
104.00	3385	187.00	11926	274.00	14633	390.00	399
105.00	3640	188.00	1540	275.00	79072	391.00	309
106.00	470	189.00	2377	276.00	10196	392.00	166
107.00	40912	190.00	464	277.00	6694	401.00	230
108.00	6796	191.00	1170	278.00	1051	402.00	1315
110.00	75152	192.00	3307	279.00	202	403.00	1868
111.00	11268	193.00	4401	280.00	84	404.00	616
112.00	1137	194.00	925	282.00	31	405.00	84
113.00	571	196.00	9362	283.00	423	414.00	52
114.00	234	198.00	287360	284.00	696	421.00	1727
115.00	155	199.00	19968	285.00	1186	422.00	1672
116.00	1692	200.00	1982	286.00	192	423.00	10665
117.00	35272	201.00	1825	287.00	50	424.00	2838
118.00	2443	202.00	160	288.00	57	425.00	412
119.00	385	203.00	2083	289.00	188	427.00	53
120.00	626	204.00	10929	290.00	230	430.00	58
121.00	141	205.00	18984	291.00	206	431.00	51
122.00	2997	206.00	76712	292.00	459	432.00	61
123.00	4155	207.00	9553	293.00	1711	433.00	57
124.00	2073	208.00	2501	294.00	363	435.00	96
125.00	1870	209.00	506	296.00	21136	436.00	222
127.00	147840	210.00	422	297.00	3446	437.00	574
128.00	12021	211.00	3235	298.00	205	438.00	536
129.00	57816	212.00	242	299.00	68	439.00	639
130.00	4816	213.00	287	301.00	407	441.00	14941
131.00	851	214.00	52	302.00	529	442.00	175232
132.00	291	215.00	1116	303.00	2649	443.00	33000
133.00	50	216.00	1888	304.00	542	444.00	3436
134.00	1805	217.00	18776	305.00	140	445.00	236
135.00	4740	218.00	2483	308.00	155	446.00	76
136.00	1629	219.00	404	309.00	169		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver
Job No.: 280-19386-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 280-82751/1-A
Matrix: Solid
Lab File ID: Y2527.D
Analysis Method: 8270C/DoD
Date Collected:
Extract. Method: 3550C
Date Extracted: 08/24/2011 09:40
Sample wt/vol: 30.0(g)
Date Analyzed: 08/29/2011 20:40
Con. Extract Vol.: 1000(uL)
Dilution Factor: 1
Injection Volume: 0.5(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 83782
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-12-7	Anthracene	17.0	U	330	17.0
67-72-1	Hexachloroethane	21.3	U	330	21.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	84		45-105
367-12-4	2-Fluorophenol (Surr)	84		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	80		35-100
1718-51-0	Terphenyl-d14 (Surr)	100		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	91		35-125
4165-62-2	Phenol-d5 (Surr)	83		40-100

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\Y2527.D
Lab Smp Id: MB 280-82751/1-A
Inj Date : 29-AUG-2011 20:40
Operator : TINKHAMS Inst ID: Y.i
Smp Info : mb280-82751_1-a
Misc Info : MB 280-82751_1-A
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\8270C.m
Meth Date : 29-Aug-2011 22:43 Y.i Quant Type: ISTD
Cal Date : 29-AUG-2011 20:20 Cal File: Y2526.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: H.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	30.000	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 26 1,4-Dichlorobenzene-d4	152	4.709	4.708	(1.000)	209473	40.0000	
* 58 Naphthalene-d8	136	5.931	5.936	(1.000)	819625	40.0000	
* 96 Acenaphthene-d10	164	7.641	7.646	(1.000)	485638	40.0000	
* 135 Phenanthrene-d10	188	8.904	8.903	(1.000)	849356	40.0000	
* 166 Chrysene-d12	240	10.967	10.959	(1.000)	870484	40.0000	
* 179 Perylene-d12	264	12.265	12.258	(1.000)	786679	40.0000	
$ 8 2-Fluorophenol	112	3.522	3.508	(0.748)	894847	126.017	4200.57
$ 15 Phenol-d5	99	4.327	4.324	(0.919)	1124091	124.151	4138.37
$ 43 Nitrobenzene-d5	82	5.232	5.235	(0.882)	643177	79.6623	2655.41
$ 81 2-Fluorobiphenyl	172	6.983	6.980	(0.914)	1352969	84.3273	2810.91
$ 118 2,4,6-Tribromophenol	330	8.334	8.337	(1.091)	285799	135.906	4530.19
$ 154 Terphenyl-d14	244	10.103	10.124	(0.921)	1752846	100.100	3336.68
$ 29 1,2-Dichlorobenzene-d4	152	4.856	4.853	(1.031)	429517	78.4869	2616.23
$ 22 2-Chlorophenol-d4	132	4.498	4.495	(0.955)	973065	124.690	4156.32
6 Pyridine	79	Compound Not Detected.					
5 N-Nitrosodimethylamine	74	Compound Not Detected.					
18 Aniline	93	Compound Not Detected.					
16 Phenol	94	Compound Not Detected.					
20 Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23 2-Chlorophenol	128	Compound Not Detected.					
25 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
28 Benzyl alcohol	108	Compound Not Detected.					
30 1,2-Dichlorobenzene	146	Compound Not Detected.					
32 2-Methylphenol	108	Compound Not Detected.					
35 1H-Indene	116	Compound Not Detected.					
34 2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
138 3-Methylphenol	108	Compound Not Detected.					
36 4-Methylphenol	108	Compound Not Detected.					
139 3 & 4-Methylphenol	108	Compound Not Detected.					
37 N-nitrosodi-n-propylamine	70	Compound Not Detected.					
38 Acetophenone	105	Compound Not Detected.					
41 Hexachloroethane	117	Compound Not Detected.					
44 Nitrobenzene	77	Compound Not Detected.					
47 Isophorone	82	Compound Not Detected.					
49 2-Nitrophenol	139	Compound Not Detected.					
50 2,4-Dimethylphenol	107	Compound Not Detected.					
52 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53 Benzoic acid	122	Compound Not Detected.					
54 2,4-Dichlorophenol	162	Compound Not Detected.					
57 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
59 Naphthalene	128	Compound Not Detected.					
60 4-Chloroaniline	127	Compound Not Detected.					
62 Hexachlorobutadiene	225	Compound Not Detected.					
68 4-Chloro-3-methylphenol	107	Compound Not Detected.					
71 2-Methylnaphthalene	142	Compound Not Detected.					
72 1-Methylnaphthalene	142	Compound Not Detected.					
74 Hexachlorocyclopentadiene	237	Compound Not Detected.					
78 2,4,6-Trichlorophenol	196	Compound Not Detected.					
80 2,4,5-Trichlorophenol	196	Compound Not Detected.					
86 2-Chloronaphthalene	162	Compound Not Detected.					
88 2-Nitroaniline	65	Compound Not Detected.					
91 Dimethyl phthalate	163	Compound Not Detected.					
93 2,6-Dinitrotoluene	165	Compound Not Detected.					
94 Acenaphthylene	152	Compound Not Detected.					
95 3-Nitroaniline	138	Compound Not Detected.					
97 Acenaphthene	153	Compound Not Detected.					
98 2,4-Dinitrophenol	184	Compound Not Detected.					
99 4-Nitrophenol	109	Compound Not Detected.					
101 2,4-Dinitrotoluene	165	Compound Not Detected.					
102 Dibenzofuran	168	Compound Not Detected.					
107 Diethyl phthalate	149	Compound Not Detected.					
109 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
110 Fluorene	166	Compound Not Detected.					
112 4-Nitroaniline	138	Compound Not Detected.					
113 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115 N-nitrosodiphenylamine	169	Compound Not Detected.					
116 Azobenzene	77	Compound Not Detected.					
234 1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
124 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125 Hexachlorobenzene	284	Compound Not Detected.					
129 Pentachlorophenol	266	Compound Not Detected.					
136 Phenanthrene	178	Compound Not Detected.					
137 Anthracene	178	Compound Not Detected.					
140 Carbazole	167	Compound Not Detected.					
143 Di-n-butyl phthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
149 Fluoranthene	202	Compound Not Detected.					
151 Benzidine	184	Compound Not Detected.					
152 Pyrene	202	Compound Not Detected.					
159 Butyl benzyl phthalate	149	Compound Not Detected.					
164 3 3'-Dichlorobenzidine	252	Compound Not Detected.					
165 Benzo(a)anthracene	228	Compound Not Detected.					
167 Chrysene	228	Compound Not Detected.					
162 Bis(2-ethylhexyl) phthalate	149	10.820	10.881	(0.987)	2587	2.53429	84.4763(aQ)
168 Di-n-octyl phthalate	149	Compound Not Detected.					
170 Hexachlorophene	196	Compound Not Detected.					
171 Benzo(b)fluoranthene	252	Compound Not Detected.					
172 Benzo(k)fluoranthene	252	Compound Not Detected.					
178 Benzo(a)pyrene	252	Compound Not Detected.					
186 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
185 Dibenz(a,h)anthracene	278	Compound Not Detected.					
188 Benzo(g,h,i)perylene	276	Compound Not Detected.					
19 Methyl Styrene	118	Compound Not Detected.					
141 Alachlor	188	Compound Not Detected.					
127 Atrazine	200	Compound Not Detected.					
67 Caprolactam	55	Compound Not Detected.					
79 2,3-Dichlorobenzeneamine	161	Compound Not Detected.					
21 Decane	43	Compound Not Detected.					
56 n-Dodecane	43	Compound Not Detected.					
83 Tetradecane	43	Compound Not Detected.					
105 Hexadecane	57	Compound Not Detected.					
128 n-Octadecane	85	Compound Not Detected.					
144 n-Eicosane	43	Compound Not Detected.					
150 n-docosane	43	Compound Not Detected.					
4 1,4-Dioxane	88	Compound Not Detected.					
158 Famphur	218	Compound Not Detected.					

QC Flag Legend

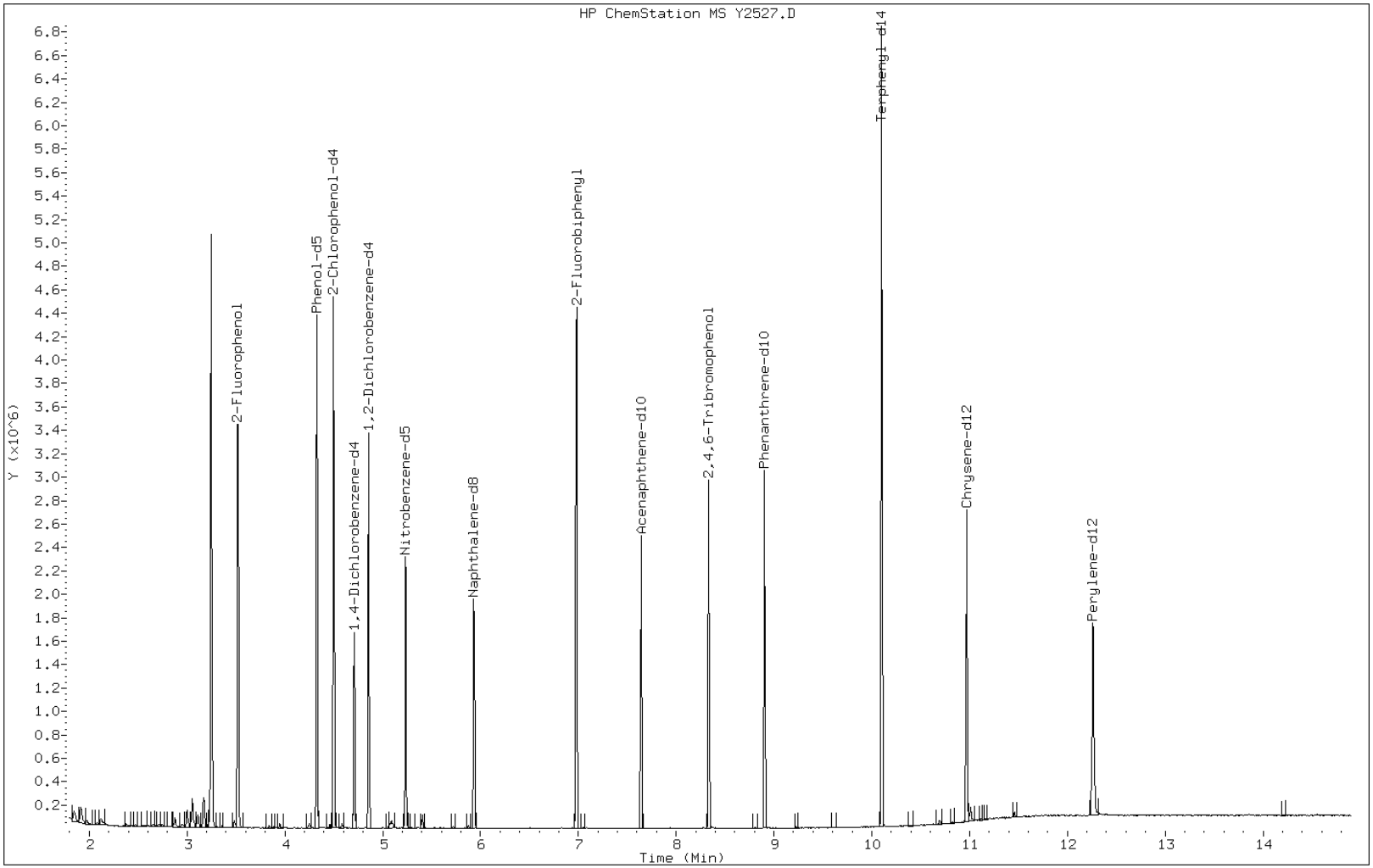
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: Y2527.D

Date: 29-AUG-2011 20:40

Client ID: Instrument: Y.i

Sample Info: mb280-82751_1-a Operator: TINKHAMS



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver
Job No.: 280-19386-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 280-82751/2-A
Matrix: Solid
Lab File ID: Y2528.D
Analysis Method: 8270C/DoD
Date Collected:
Extract. Method: 3550C
Date Extracted: 08/24/2011 09:40
Sample wt/vol: 30.1(g)
Date Analyzed: 08/29/2011 21:01
Con. Extract Vol.: 1000(uL)
Dilution Factor: 1
Injection Volume: 0.5(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 83782
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-12-7	Anthracene	2520		329	16.9
67-72-1	Hexachloroethane	2020		329	21.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	88		45-105
367-12-4	2-Fluorophenol (Surr)	83		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	83		35-100
1718-51-0	Terphenyl-d14 (Surr)	100		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	105		35-125
4165-62-2	Phenol-d5 (Surr)	86		40-100

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\Y2528.D
Lab Smp Id: LCS 280-82751/2-A
Inj Date : 29-AUG-2011 21:01
Operator : TINKHAMS Inst ID: Y.i
Smp Info : lcs280-82751_2-a
Misc Info : LCS 280-82751_2-A
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\8270C.m
Meth Date : 29-Aug-2011 22:43 Y.i Quant Type: ISTD
Cal Date : 29-AUG-2011 20:20 Cal File: Y2526.D
Als bottle: 6 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSL-9H-LCS.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	30.100	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 26 1,4-Dichlorobenzene-d4	152	4.707	4.708	(1.000)	197710	40.0000	
* 58 Naphthalene-d8	136	5.935	5.936	(1.000)	791366	40.0000	
* 96 Acenaphthene-d10	164	7.645	7.646	(1.000)	474275	40.0000	
* 135 Phenanthrene-d10	188	8.903	8.903	(1.000)	857600	40.0000	
* 166 Chrysene-d12	240	10.977	10.959	(1.000)	917116	40.0000	
* 179 Perylene-d12	264	12.275	12.258	(1.000)	817130	40.0000	
$ 8 2-Fluorophenol	112	3.521	3.508	(0.748)	838376	125.089	4155.78
$ 15 Phenol-d5	99	4.331	4.324	(0.920)	1105894	129.408	4299.28
$ 43 Nitrobenzene-d5	82	5.236	5.235	(0.882)	644172	82.6346	2745.34
$ 81 2-Fluorobiphenyl	172	6.981	6.980	(0.913)	1373121	87.6338	2911.42
$ 118 2,4,6-Tribromophenol	330	8.333	8.337	(1.090)	324167	157.844	5243.99
$ 154 Terphenyl-d14	244	10.101	10.124	(0.920)	1836236	99.5307	3306.67
$ 29 1,2-Dichlorobenzene-d4	152	4.860	4.853	(1.032)	403916	78.2000	2598.01
$ 22 2-Chlorophenol-d4	132	4.502	4.495	(0.956)	929651	126.214	4193.16
4 1,4-Dioxane	88	2.158	2.156	(0.458)	91916	31.6611	1051.86
6 Pyridine	79	2.451	2.444	(0.521)	282872	36.9734	1228.35
5 N-Nitrosodimethylamine	74	2.404	2.403	(0.511)	271837	63.3387	2104.28
18 Aniline	93	4.408	4.401	(0.936)	388640	36.3946	1209.12
16 Phenol	94	4.343	4.336	(0.923)	600423	69.2483	2300.61
20 Bis(2-chloroethyl) ether	93	4.437	4.430	(0.943)	420979	64.3005	2136.23
23 2-Chlorophenol	128	4.514	4.507	(0.959)	488933	66.5677	2211.55
25 1,3-Dichlorobenzene	146	4.660	4.653	(0.990)	498687	60.1616	1998.72

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
27 1,4-Dichlorobenzene	146	4.725	4.718	(1.004)	521424	62.1243	2063.93
28 Benzyl alcohol	108	4.819	4.818	(1.024)	311672	69.1588	2297.63
30 1,2-Dichlorobenzene	146	4.872	4.865	(1.035)	493577	62.7655	2085.23
32 2-Methylphenol	108	4.907	4.900	(1.042)	442736	67.9626	2257.89
34 2,2'-oxybis(1-chloropropane)	45	4.925	4.924	(1.046)	577448	63.9018	2122.98
138 3-Methylphenol	108	5.048	5.047	(1.072)	962871	140.285	4660.63
36 4-Methylphenol	108	5.048	5.047	(1.072)	962871	140.285	4660.63
139 3 & 4-Methylphenol	108	5.048	5.047	(1.072)	962871	140.285	4660.63
37 N-nitrosodi-n-propylamine	70	5.054	5.053	(1.074)	346256	66.1388	2197.30
41 Hexachloroethane	117	5.189	5.188	(1.102)	189450	60.7220	2017.34
44 Nitrobenzene	77	5.254	5.253	(0.885)	506585	65.8295	2187.03
47 Isophorone	82	5.465	5.458	(0.921)	878322	66.7325	2217.03
49 2-Nitrophenol	139	5.559	5.558	(0.937)	257256	66.7933	2219.05
50 2,4-Dimethylphenol	107	5.559	5.558	(0.937)	520580	72.3809	2404.68
52 Bis(2-chloroethoxy)methane	93	5.653	5.652	(0.952)	519389	65.2840	2168.90
53 Benzoic acid	122	5.624	5.629	(0.948)	235220	64.1612	2131.60
54 2,4-Dichlorophenol	162	5.783	5.776	(0.974)	431177	71.8701	2387.71
57 1,2,4-Trichlorobenzene	180	5.871	5.870	(0.989)	427430	62.4895	2076.06
59 Naphthalene	128	5.959	5.952	(1.004)	1402737	65.3431	2170.87
60 4-Chloroaniline	127	6.000	5.999	(1.011)	428175	47.6682	1583.66
62 Hexachlorobutadiene	225	6.047	6.046	(1.019)	239541	61.4552	2041.70
68 4-Chloro-3-methylphenol	107	6.452	6.451	(1.087)	469660	74.0114	2458.85
71 2-Methylnaphthalene	142	6.635	6.628	(1.118)	965989	66.1486	2197.63
72 1-Methylnaphthalene	142	6.735	6.733	(1.135)	963899	69.4520	2307.38
74 Hexachlorocyclopentadiene	237	6.776	6.769	(0.886)	239352	63.6797	2115.60
78 2,4,6-Trichlorophenol	196	6.905	6.904	(0.903)	315100	75.1784	2497.62
80 2,4,5-Trichlorophenol	196	6.946	6.945	(0.909)	349105	75.3534	2503.43
86 2-Chloronaphthalene	162	7.122	7.121	(0.932)	936256	69.9355	2323.44
88 2-Nitroaniline	65	7.222	7.221	(0.945)	317077	77.3118	2568.50
91 Dimethyl phthalate	163	7.357	7.356	(0.962)	1167857	76.0175	2525.50
93 2,6-Dinitrotoluene	165	7.434	7.433	(0.972)	274726	74.7803	2484.40
94 Acenaphthylene	152	7.522	7.521	(0.984)	1611635	76.1951	2531.40
95 3-Nitroaniline	138	7.604	7.603	(0.995)	253381	64.2007	2132.92
97 Acenaphthene	153	7.675	7.673	(1.004)	1006182	72.2086	2398.96
98 2,4-Dinitrophenol	184	7.698	7.697	(1.007)	121221	65.2779	2168.70
99 4-Nitrophenol	109	7.733	7.732	(1.012)	179591	80.2367	2665.67
101 2,4-Dinitrotoluene	165	7.804	7.803	(1.021)	365866	78.4679	2606.91
102 Dibenzofuran	168	7.827	7.826	(1.024)	1428132	74.6337	2479.53
107 Diethyl phthalate	149	7.974	7.979	(1.043)	1151574	75.8757	2520.79
109 4-Chlorophenyl phenyl ether	204	8.103	8.102	(1.060)	564705	73.9509	2456.84
110 Fluorene	166	8.127	8.126	(1.063)	1201220	74.8711	2487.41
112 4-Nitroaniline	138	8.150	8.149	(1.066)	303236	77.3347	2569.26
113 4,6-Dinitro-2-methylphenol	198	8.156	8.161	(0.916)	190174	63.7804	2118.95
115 N-nitrosodiphenylamine	169	8.203	8.208	(0.921)	886143	59.1422	1964.86
116 Azobenzene	77	8.239	8.237	(1.078)	1185491	76.7870	2551.06
234 1,2-DPH(as Azobenzene)	77	8.239	8.237	(1.078)	1185491	77.6297	2579.06
124 4-Bromophenyl phenyl ether	248	8.515	8.514	(0.956)	338007	70.6292	2346.48
125 Hexachlorobenzene	284	8.585	8.584	(0.964)	366362	71.6680	2381.00
129 Pentachlorophenol	266	8.744	8.743	(0.982)	229329	70.3002	2335.55
136 Phenanthrene	178	8.926	8.925	(1.003)	1842708	74.8540	2486.84
137 Anthracene	178	8.967	8.966	(1.007)	1878153	75.9344	2522.74
140 Carbazole	167	9.091	9.089	(1.021)	1754296	75.5661	2510.50
143 Di-n-butyl phthalate	149	9.279	9.277	(1.042)	2030894	79.4452	2639.38
149 Fluoranthene	202	9.854	9.865	(1.107)	2058595	78.3487	2602.95
151 Benzidine	184	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
152 Pyrene	202	10.037	10.059	(0.914)	2077475	79.0247	2625.41
159 Butyl benzyl phthalate	149	10.436	10.470	(0.951)	939344	79.9284	2655.43
164 3 3'-Dichlorobenzidine	252	10.918	10.970	(0.995)	442572	49.4847	1644.01
165 Benzo(a)anthracene	228	10.965	11.017	(0.999)	1875723	75.3340	2502.79(H)
167 Chrysene	228	11.000	11.052	(1.002)	1918929	75.7734	2517.39
162 Bis(2-ethylhexyl) phthalate	149	10.830	10.881	(0.987)	1176084	75.5534	2510.08(H)
168 Di-n-octyl phthalate	149	11.329	11.398	(1.032)	1948295	76.3547	2536.70
171 Benzo(b)fluoranthene	252	11.876	11.945	(0.967)	1826710	76.6377	2546.10(H)
172 Benzo(k)fluoranthene	252	11.899	11.968	(0.969)	2116683	78.2891	2600.97
178 Benzo(a)pyrene	252	12.216	12.292	(0.995)	1603414	73.2271	2432.79
186 Indeno(1,2,3-cd)pyrene	276	13.591	13.672	(1.238)	1949120	78.8493	2619.58
185 Dibenz(a,h)anthracene	278	13.579	13.661	(1.106)	1673858	83.8562	2785.92
188 Benzo(g,h,i)perylene	276	14.008	14.095	(1.141)	1696372	82.1350	2728.74

QC Flag Legend

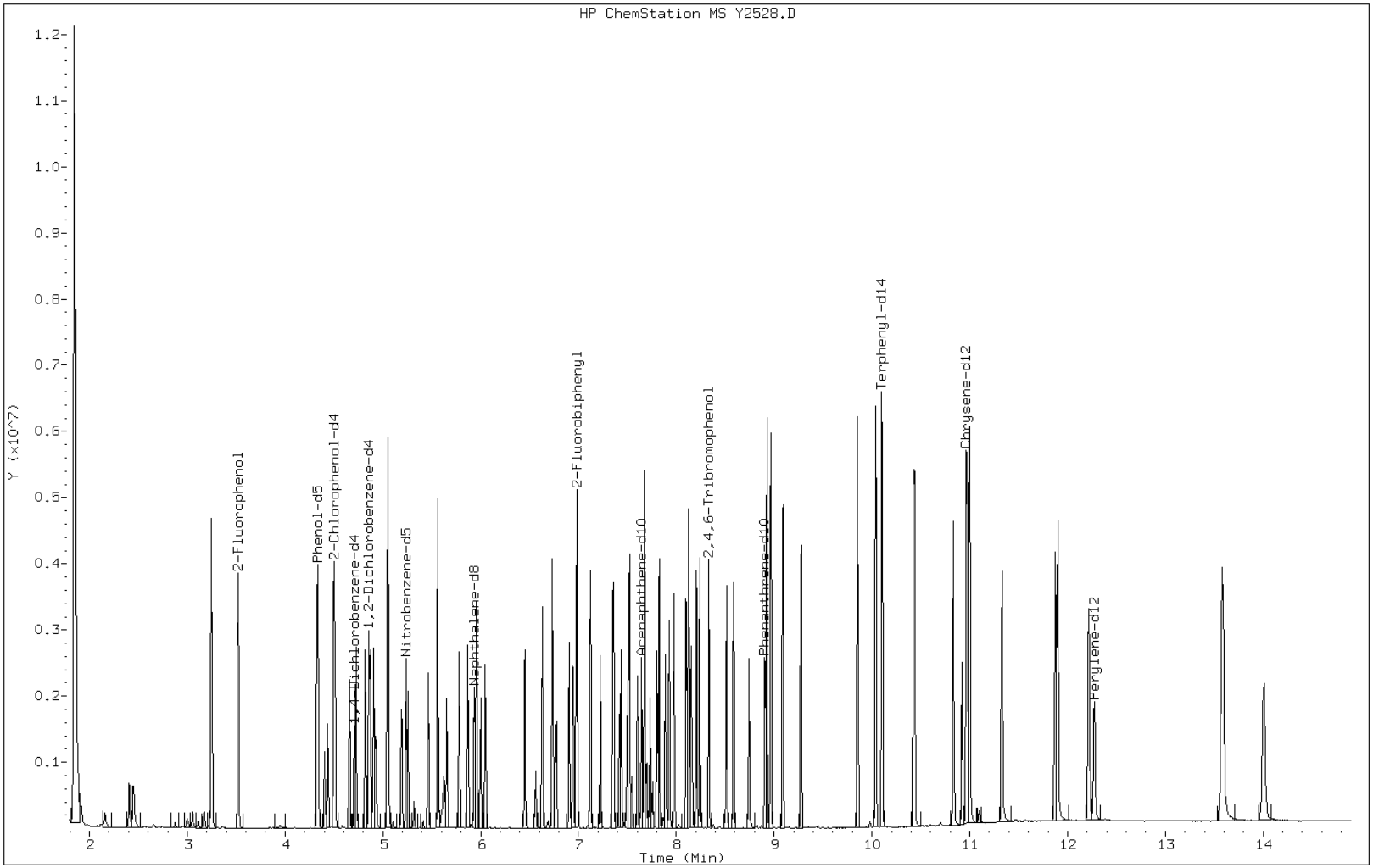
H - Operator selected an alternate compound hit.

Data File: Y2528.D

Date: 29-AUG-2011 21:01

Client ID: Instrument: Y.i

Sample Info: lcs280-82751_2-a Operator: TINKHAMS



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19386-1

SDG No.:

Client Sample ID: NWO-178-0003 MS | Lab Sample ID: 280-19386-3 MS

Matrix: Solid | Lab File ID: Y2548.D

Analysis Method: 8270C/DoD | Date Collected: 08/19/2011 15:06

Extract. Method: 3550C | Date Extracted: 08/24/2011 09:40

Sample wt/vol: 30.4(g) | Date Analyzed: 08/30/2011 03:50

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

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

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

Analysis Batch No.: 83782 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-12-7	Anthracene	2450		326	16.8
67-72-1	Hexachloroethane	1840		326	21.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	85		45-105
367-12-4	2-Fluorophenol (Surr)	82		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	80		35-100
1718-51-0	Terphenyl-d14 (Surr)	94		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	103		35-125
4165-62-2	Phenol-d5 (Surr)	85		40-100

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\Y2548.D
Lab Smp Id: 280-19386-A-3-Q MS Client Smp ID: NWO-178-0003
Inj Date : 30-AUG-2011 03:50
Operator : TINKHAMS Inst ID: Y.i
Smp Info : 280-19386-a-3-qms
Misc Info : 280-19386-A-3-Q MS
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\8270C.m
Meth Date : 29-Aug-2011 22:43 Y.i Quant Type: ISTD
Cal Date : 29-AUG-2011 20:20 Cal File: Y2526.D
Als bottle: 26 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSL-9H-LCS.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	30.400	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 26 1,4-Dichlorobenzene-d4	152	4.708	4.708	(1.000)	207139	40.0000	
* 58 Naphthalene-d8	136	5.936	5.936	(1.000)	828234	40.0000	
* 96 Acenaphthene-d10	164	7.640	7.646	(1.000)	501695	40.0000	
* 135 Phenanthrene-d10	188	8.903	8.903	(1.000)	860286	40.0000	
* 166 Chrysene-d12	240	10.965	10.959	(1.000)	952382	40.0000	
* 179 Perylene-d12	264	12.258	12.258	(1.000)	861936	40.0000	
$ 8 2-Fluorophenol	112	3.521	3.508	(0.748)	866316	123.374	4058.35
$ 15 Phenol-d5	99	4.326	4.324	(0.919)	1143958	127.769	4202.93
$ 43 Nitrobenzene-d5	82	5.237	5.235	(0.882)	651158	79.8125	2625.41
$ 81 2-Fluorobiphenyl	172	6.982	6.980	(0.914)	1410778	85.1162	2799.87
$ 118 2,4,6-Tribromophenol	330	8.333	8.337	(1.091)	337150	155.193	5105.04
$ 154 Terphenyl-d14	244	10.101	10.124	(0.921)	1793642	93.6219	3079.67
$ 29 1,2-Dichlorobenzene-d4	152	4.855	4.853	(1.031)	406122	75.0480	2468.68
$ 22 2-Chlorophenol-d4	132	4.496	4.495	(0.955)	944067	122.337	4024.24
4 1,4-Dioxane	88	2.158	2.156	(0.458)	94424	31.0444	1021.20
6 Pyridine	79	2.446	2.444	(0.520)	249648	31.1454	1024.52
5 N-Nitrosodimethylamine	74	2.405	2.403	(0.511)	255932	56.9183	1872.31
18 Aniline	93	4.402	4.401	(0.935)	557282	49.8117	1638.54
16 Phenol	94	4.343	4.336	(0.923)	602057	66.2760	2180.13
20 Bis(2-chloroethyl) ether	93	4.437	4.430	(0.943)	422066	61.5320	2024.08
23 2-Chlorophenol	128	4.514	4.507	(0.959)	489903	63.6636	2094.20
25 1,3-Dichlorobenzene	146	4.655	4.653	(0.989)	497730	57.3129	1885.29

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
27 1,4-Dichlorobenzene	146	4.725	4.718	(1.004)	507029	57.6594	1896.69
28 Benzyl alcohol	108	4.819	4.818	(1.024)	325497	68.9387	2267.72
30 1,2-Dichlorobenzene	146	4.872	4.865	(1.035)	485998	58.9885	1940.41
32 2-Methylphenol	108	4.902	4.900	(1.041)	441786	64.7297	2129.27
34 2,2'-oxybis(1-chloropropane)	45	4.925	4.924	(1.046)	571162	60.3291	1984.51
138 3-Methylphenol	108	5.049	5.047	(1.072)	978727	136.104	4477.11
36 4-Methylphenol	108	5.049	5.047	(1.072)	978727	136.104	4477.11
139 3 & 4-Methylphenol	108	5.049	5.047	(1.072)	978727	136.104	4477.11
37 N-nitrosodi-n-propylamine	70	5.054	5.053	(1.074)	345884	63.0603	2074.35
41 Hexachloroethane	117	5.190	5.188	(1.102)	183010	55.9878	1841.70
44 Nitrobenzene	77	5.254	5.253	(0.885)	503663	62.5364	2057.12
47 Isophorone	82	5.460	5.458	(0.920)	883737	64.1551	2110.36
49 2-Nitrophenol	139	5.560	5.558	(0.937)	241384	59.8826	1969.82
50 2,4-Dimethylphenol	107	5.560	5.558	(0.937)	533021	70.8117	2329.33
52 Bis(2-chloroethoxy)methane	93	5.654	5.652	(0.952)	515182	61.8726	2035.28
53 Benzoic acid	122	5.595	5.629	(0.943)	18688	13.0578	429.534
54 2,4-Dichlorophenol	162	5.783	5.776	(0.974)	430525	68.5670	2255.49
57 1,2,4-Trichlorobenzene	180	5.871	5.870	(0.989)	415477	58.0382	1909.15
59 Naphthalene	128	5.953	5.952	(1.003)	1393345	62.0164	2040.01
60 4-Chloroaniline	127	6.000	5.999	(1.011)	535008	56.9104	1872.05
62 Hexachlorobutadiene	225	6.047	6.046	(1.019)	238531	58.4720	1923.42
68 4-Chloro-3-methylphenol	107	6.447	6.451	(1.086)	489049	73.6362	2422.24
71 2-Methylnaphthalene	142	6.629	6.628	(1.117)	960881	62.8698	2068.08
72 1-Methylnaphthalene	142	6.735	6.733	(1.135)	961367	66.1861	2177.17
74 Hexachlorocyclopentadiene	237	6.770	6.769	(0.886)	178067	44.7856	1473.21
78 2,4,6-Trichlorophenol	196	6.905	6.904	(0.904)	329320	74.2768	2443.32
80 2,4,5-Trichlorophenol	196	6.940	6.945	(0.908)	355743	72.5894	2387.81
86 2-Chloronaphthalene	162	7.123	7.121	(0.932)	947878	66.9339	2201.77
88 2-Nitroaniline	65	7.222	7.221	(0.945)	338674	78.0644	2567.91
91 Dimethyl phthalate	163	7.358	7.356	(0.963)	1155194	71.0836	2338.28
93 2,6-Dinitrotoluene	165	7.434	7.433	(0.973)	275227	70.8222	2329.68
94 Acenaphthylene	152	7.516	7.521	(0.984)	1646659	73.5961	2420.92
95 3-Nitroaniline	138	7.604	7.603	(0.995)	293237	70.2385	2310.48
97 Acenaphthene	153	7.675	7.673	(1.005)	1022747	69.3859	2282.43
98 2,4-Dinitrophenol	184	7.692	7.697	(1.007)	6890	14.4853	476.490(R)
99 4-Nitrophenol	109	7.734	7.732	(1.012)	173801	73.4059	2414.67
101 2,4-Dinitrotoluene	165	7.804	7.803	(1.022)	364296	73.8609	2429.64
102 Dibenzofuran	168	7.822	7.826	(1.024)	1440361	71.1588	2340.75
107 Diethyl phthalate	149	7.975	7.979	(1.044)	1175098	73.1940	2407.70
109 4-Chlorophenyl phenyl ether	204	8.098	8.102	(1.060)	569874	70.5491	2320.69
110 Fluorene	166	8.121	8.126	(1.063)	1230899	72.5278	2385.78
112 4-Nitroaniline	138	8.145	8.149	(1.066)	299709	72.2577	2376.90
113 4,6-Dinitro-2-methylphenol	198	8.157	8.161	(0.916)	62572	20.9198	688.152(R)
115 N-nitrosodiphenylamine	169	8.204	8.208	(0.921)	901660	59.9899	1973.35
116 Azobenzene	77	8.233	8.237	(1.078)	1218560	74.6151	2454.44
234 1,2-DPH(as Azobenzene)	77	8.233	8.237	(1.078)	1218560	75.4340	2481.38
124 4-Bromophenyl phenyl ether	248	8.515	8.514	(0.956)	344507	71.7626	2360.61
125 Hexachlorobenzene	284	8.586	8.584	(0.964)	364575	71.0958	2338.68
129 Pentachlorophenol	266	8.744	8.743	(0.982)	176257	53.8624	1771.79
136 Phenanthrene	178	8.926	8.925	(1.003)	1805600	73.1176	2405.18
137 Anthracene	178	8.962	8.966	(1.007)	1846663	74.4281	2448.29
140 Carbazole	167	9.085	9.089	(1.020)	1691642	72.6398	2389.47
143 Di-n-butyl phthalate	149	9.273	9.277	(1.042)	2016697	78.6436	2586.96
149 Fluoranthene	202	9.849	9.865	(1.106)	2037457	77.3021	2542.83
151 Benzidine	184	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
152 Pyrene	202	10.037	10.059	(0.915)	2020978	74.0290	2435.16
159 Butyl benzyl phthalate	149	10.430	10.470	(0.951)	931295	76.3092	2510.17
164 3 3'-Dichlorobenzidine	252	10.906	10.970	(0.995)	521976	56.2018	1848.74
165 Benzo(a)anthracene	228	10.953	11.017	(0.999)	1909134	73.8366	2428.84(H)
167 Chrysene	228	10.989	11.052	(1.002)	1884980	71.6767	2357.78
162 Bis(2-ethylhexyl) phthalate	149	10.818	10.881	(0.987)	1390977	85.7210	2819.77(H)
168 Di-n-octyl phthalate	149	11.312	11.398	(1.032)	2144038	80.7535	2656.37(H)
171 Benzo(b)fluoranthene	252	11.858	11.945	(0.967)	1800045	71.5933	2355.04(H)
172 Benzo(k)fluoranthene	252	11.882	11.968	(0.969)	2098972	73.5984	2421.00
178 Benzo(a)pyrene	252	12.199	12.292	(0.995)	1618369	70.0680	2304.87
186 Indeno(1,2,3-cd)pyrene	276	13.568	13.672	(1.237)	1874013	73.0037	2401.44
185 Dibenz(a,h)anthracene	278	13.562	13.661	(1.106)	1631769	77.4981	2549.28
188 Benzo(g,h,i)perylene	276	13.991	14.095	(1.141)	1641425	75.3433	2478.40

QC Flag Legend

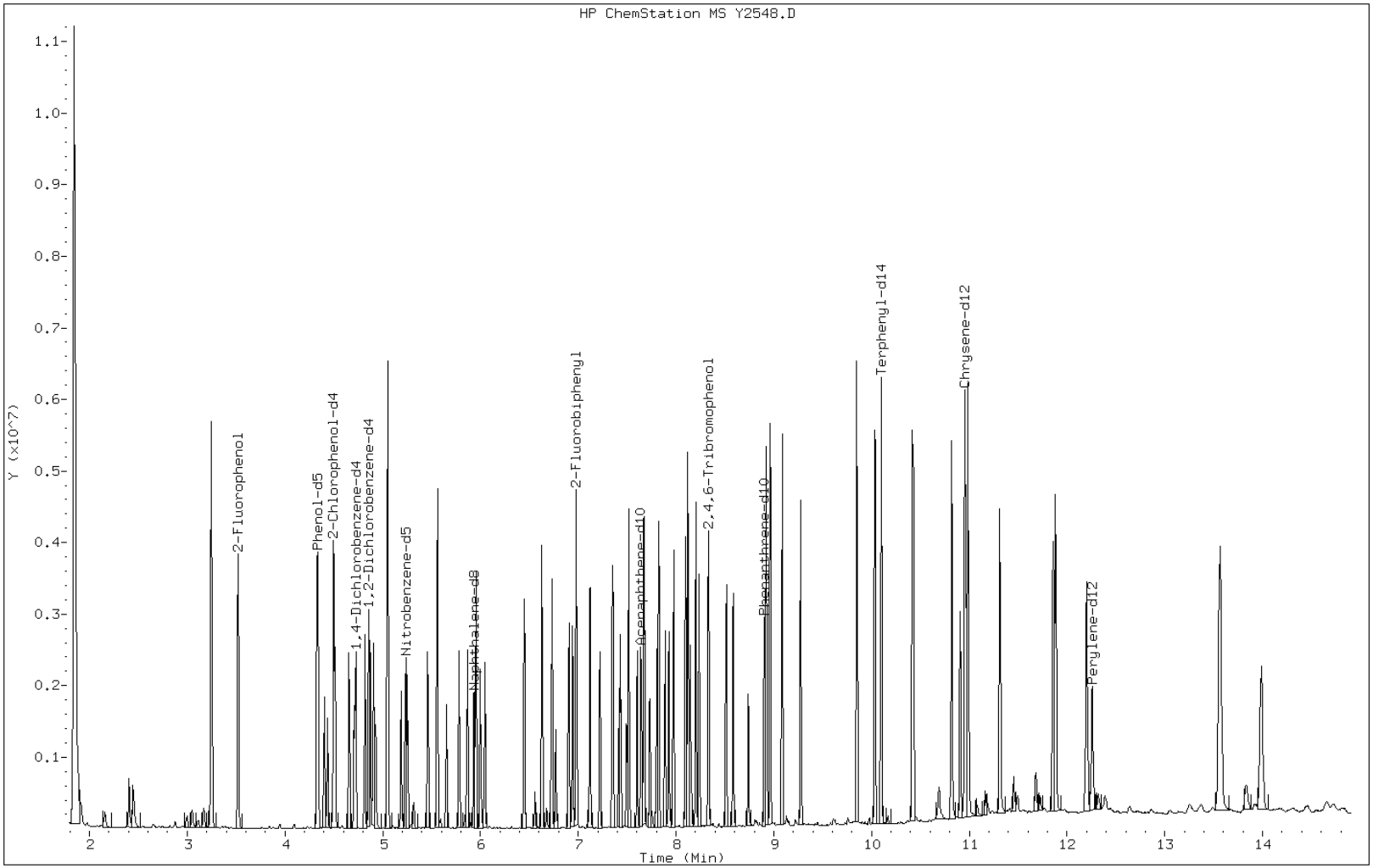
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: Y2548.D

Date: 30-AUG-2011 03:50

Client ID: NWO-178-0003 Instrument: Y.i

Sample Info: 280-19386-a-3-qms Operator: TINKHAMS



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19386-1

SDG No.:

Client Sample ID: NWO-178-0003 MSD | Lab Sample ID: 280-19386-3 MSD

Matrix: Solid | Lab File ID: Y2549.D

Analysis Method: 8270C/DoD | Date Collected: 08/19/2011 15:06

Extract. Method: 3550C | Date Extracted: 08/24/2011 09:40

Sample wt/vol: 30.2(g) | Date Analyzed: 08/30/2011 04:10

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

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

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

Analysis Batch No.: 83782 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-12-7	Anthracene	2410		328	16.9
67-72-1	Hexachloroethane	1840		328	21.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	82		45-105
367-12-4	2-Fluorophenol (Surr)	82		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	79		35-100
1718-51-0	Terphenyl-d14 (Surr)	94		30-125
118-79-6	2,4,6-Tribromophenol (Surr)	102		35-125
4165-62-2	Phenol-d5 (Surr)	83		40-100

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\Y2549.D
Lab Smp Id: 280-19386-A-3-R MSD Client Smp ID: NWO-178-0003
Inj Date : 30-AUG-2011 04:10
Operator : TINKHAMS Inst ID: Y.i
Smp Info : 280-19386-a-3-rmsd
Misc Info : 280-19386-A-3-R MSD
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\Y.i\082911.B\8270C.m
Meth Date : 29-Aug-2011 22:43 Y.i Quant Type: ISTD
Cal Date : 29-AUG-2011 20:20 Cal File: Y2526.D
Als bottle: 27 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSL-9H-LCS.sub
Target Version: 4.14
Processing Host: DENPC293

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	30.200	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 26 1,4-Dichlorobenzene-d4	152	4.708	4.708	(1.000)	202346	40.0000	
* 58 Naphthalene-d8	136	5.935	5.936	(1.000)	811693	40.0000	
* 96 Acenaphthene-d10	164	7.645	7.646	(1.000)	498188	40.0000	
* 135 Phenanthrene-d10	188	8.903	8.903	(1.000)	849845	40.0000	
* 166 Chrysene-d12	240	10.965	10.959	(1.000)	913846	40.0000	
* 179 Perylene-d12	264	12.252	12.258	(1.000)	827476	40.0000	
$ 8 2-Fluorophenol	112	3.521	3.508	(0.748)	841248	122.642	4060.99
$ 15 Phenol-d5	99	4.326	4.324	(0.919)	1091221	124.766	4131.32
$ 43 Nitrobenzene-d5	82	5.236	5.235	(0.882)	629586	78.7410	2607.32
$ 81 2-Fluorobiphenyl	172	6.981	6.980	(0.913)	1353112	82.2117	2722.24
$ 118 2,4,6-Tribromophenol	330	8.333	8.337	(1.090)	329083	152.546	5051.20
$ 154 Terphenyl-d14	244	10.095	10.124	(0.921)	1727374	93.9651	3111.42
$ 29 1,2-Dichlorobenzene-d4	152	4.854	4.853	(1.031)	391488	74.0574	2452.23
$ 22 2-Chlorophenol-d4	132	4.496	4.495	(0.955)	919087	121.921	4037.12
4 1,4-Dioxane	88	2.158	2.156	(0.458)	89951	30.2743	1002.46
6 Pyridine	79	2.445	2.444	(0.520)	234229	29.9140	990.529
5 N-Nitrosodimethylamine	74	2.404	2.403	(0.511)	253027	57.6052	1907.46
18 Aniline	93	4.402	4.401	(0.935)	508277	46.5076	1539.98
16 Phenol	94	4.343	4.336	(0.923)	581350	65.5124	2169.28
20 Bis(2-chloroethyl) ether	93	4.437	4.430	(0.943)	404071	60.3039	1996.82
23 2-Chlorophenol	128	4.514	4.507	(0.959)	477597	63.5345	2103.79
25 1,3-Dichlorobenzene	146	4.655	4.653	(0.989)	482851	56.9166	1884.65

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
27 1,4-Dichlorobenzene	146	4.725	4.718	(1.004)	497279	57.8902	1916.89
28 Benzyl alcohol	108	4.819	4.818	(1.024)	311826	67.6077	2238.66
30 1,2-Dichlorobenzene	146	4.872	4.865	(1.035)	473938	58.8873	1949.91
32 2-Methylphenol	108	4.907	4.900	(1.042)	436396	65.4545	2167.37
34 2,2'-oxybis(1-chloropropane)	45	4.925	4.924	(1.046)	556906	60.2166	1993.93
138 3-Methylphenol	108	5.048	5.047	(1.072)	927063	131.973	4369.98
36 4-Methylphenol	108	5.048	5.047	(1.072)	927063	131.973	4369.98
139 3 & 4-Methylphenol	108	5.048	5.047	(1.072)	927063	131.973	4369.98
37 N-nitrosodi-n-propylamine	70	5.054	5.053	(1.074)	332007	61.9641	2051.79
41 Hexachloroethane	117	5.189	5.188	(1.102)	177316	55.5308	1838.77
44 Nitrobenzene	77	5.254	5.253	(0.885)	482828	61.1711	2025.53
47 Isophorone	82	5.460	5.458	(0.920)	843345	62.4705	2068.56
49 2-Nitrophenol	139	5.559	5.558	(0.937)	230543	58.3586	1932.40
50 2,4-Dimethylphenol	107	5.559	5.558	(0.937)	510757	69.2367	2292.61
52 Bis(2-chloroethoxy)methane	93	5.653	5.652	(0.952)	497687	60.9896	2019.52
53 Benzoic acid	122	5.595	5.629	(0.943)	14109	12.0938	400.457
54 2,4-Dichlorophenol	162	5.783	5.776	(0.974)	415302	67.4904	2234.78
57 1,2,4-Trichlorobenzene	180	5.871	5.870	(0.989)	411236	58.6164	1940.94
59 Naphthalene	128	5.953	5.952	(1.003)	1356852	61.6228	2040.49
60 4-Chloroaniline	127	6.000	5.999	(1.011)	502589	54.5514	1806.34
62 Hexachlorobutadiene	225	6.047	6.046	(1.019)	238026	59.5373	1971.43
68 4-Chloro-3-methylphenol	107	6.447	6.451	(1.086)	478319	73.4883	2433.39
71 2-Methylnaphthalene	142	6.629	6.628	(1.117)	929200	62.0359	2054.17
72 1-Methylnaphthalene	142	6.735	6.733	(1.135)	920328	64.6519	2140.79
74 Hexachlorocyclopentadiene	237	6.770	6.769	(0.886)	167235	42.3573	1402.56
78 2,4,6-Trichlorophenol	196	6.905	6.904	(0.903)	318518	72.3462	2395.57
80 2,4,5-Trichlorophenol	196	6.940	6.945	(0.908)	355285	73.0063	2417.43
86 2-Chloronaphthalene	162	7.122	7.121	(0.932)	913870	64.9867	2151.88
88 2-Nitroaniline	65	7.222	7.221	(0.945)	331559	76.9624	2548.42
91 Dimethyl phthalate	163	7.357	7.356	(0.962)	1110455	68.8116	2278.53
93 2,6-Dinitrotoluene	165	7.434	7.433	(0.972)	264647	68.5791	2270.83
94 Acenaphthylene	152	7.516	7.521	(0.983)	1585347	71.3546	2362.73
95 3-Nitroaniline	138	7.604	7.603	(0.995)	276523	66.7013	2208.65
97 Acenaphthene	153	7.675	7.673	(1.004)	974236	66.5600	2203.97
98 2,4-Dinitrophenol	184	7.692	7.697	(1.006)	5972	14.1186	467.504(R)
99 4-Nitrophenol	109	7.733	7.732	(1.012)	167288	71.1525	2356.04
101 2,4-Dinitrotoluene	165	7.804	7.803	(1.021)	349280	71.3150	2361.42
102 Dibenzofuran	168	7.822	7.826	(1.023)	1399333	69.6185	2305.25
107 Diethyl phthalate	149	7.974	7.979	(1.043)	1137565	71.3549	2362.74
109 4-Chlorophenyl phenyl ether	204	8.098	8.102	(1.059)	563900	70.3009	2327.84
110 Fluorene	166	8.121	8.126	(1.062)	1188961	70.5499	2336.09
112 4-Nitroaniline	138	8.145	8.149	(1.065)	280092	68.0035	2251.77
113 4,6-Dinitro-2-methylphenol	198	8.156	8.161	(0.916)	54541	18.4588	611.220(R)
115 N-nitrosodiphenylamine	169	8.203	8.208	(0.921)	872805	58.7836	1946.48
116 Azobenzene	77	8.239	8.237	(1.078)	1188223	73.2697	2426.15
234 1,2-DPH(as Azobenzene)	77	8.239	8.237	(1.078)	1188223	74.0738	2452.77
124 4-Bromophenyl phenyl ether	248	8.515	8.514	(0.956)	332145	70.0376	2319.12
125 Hexachlorobenzene	284	8.585	8.584	(0.964)	352597	69.6047	2304.79
129 Pentachlorophenol	266	8.744	8.743	(0.982)	167848	51.9229	1719.30
136 Phenanthrene	178	8.920	8.925	(1.002)	1748090	71.6585	2372.80
137 Anthracene	178	8.961	8.966	(1.007)	1783438	72.7630	2409.37
140 Carbazole	167	9.085	9.089	(1.020)	1628558	70.7901	2344.04
143 Di-n-butyl phthalate	149	9.273	9.277	(1.042)	1942470	76.6796	2539.06
149 Fluoranthene	202	9.849	9.865	(1.106)	1949123	74.8592	2478.78
151 Benzidine	184	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
152 Pyrene	202	10.031	10.059	(0.915)	1972104	75.2850	2492.88
159 Butyl benzyl phthalate	149	10.424	10.470	(0.951)	880744	75.2104	2490.41
164 3 3'-Dichlorobenzidine	252	10.906	10.970	(0.995)	471220	52.8764	1750.87
165 Benzo(a)anthracene	228	10.953	11.017	(0.999)	1837924	74.0800	2452.98(H)
167 Chrysene	228	10.983	11.052	(1.002)	1804748	71.5197	2368.20
162 Bis(2-ethylhexyl) phthalate	149	10.818	10.881	(0.987)	1342033	86.1793	2853.62(H)
168 Di-n-octyl phthalate	149	11.306	11.398	(1.031)	2057601	80.7656	2674.36(H)
171 Benzo(b)fluoranthene	252	11.852	11.945	(0.967)	1667279	69.0744	2287.23(H)
172 Benzo(k)fluoranthene	252	11.876	11.968	(0.969)	2060237	75.2486	2491.68
178 Benzo(a)pyrene	252	12.193	12.292	(0.995)	1533185	69.1443	2289.55
186 Indeno(1,2,3-cd)pyrene	276	13.562	13.672	(1.237)	1783046	72.3891	2396.99
185 Dibenz(a,h)anthracene	278	13.556	13.661	(1.106)	1562532	77.3003	2559.61
188 Benzo(g,h,i)perylene	276	13.979	14.095	(1.141)	1562392	74.7021	2473.58

QC Flag Legend

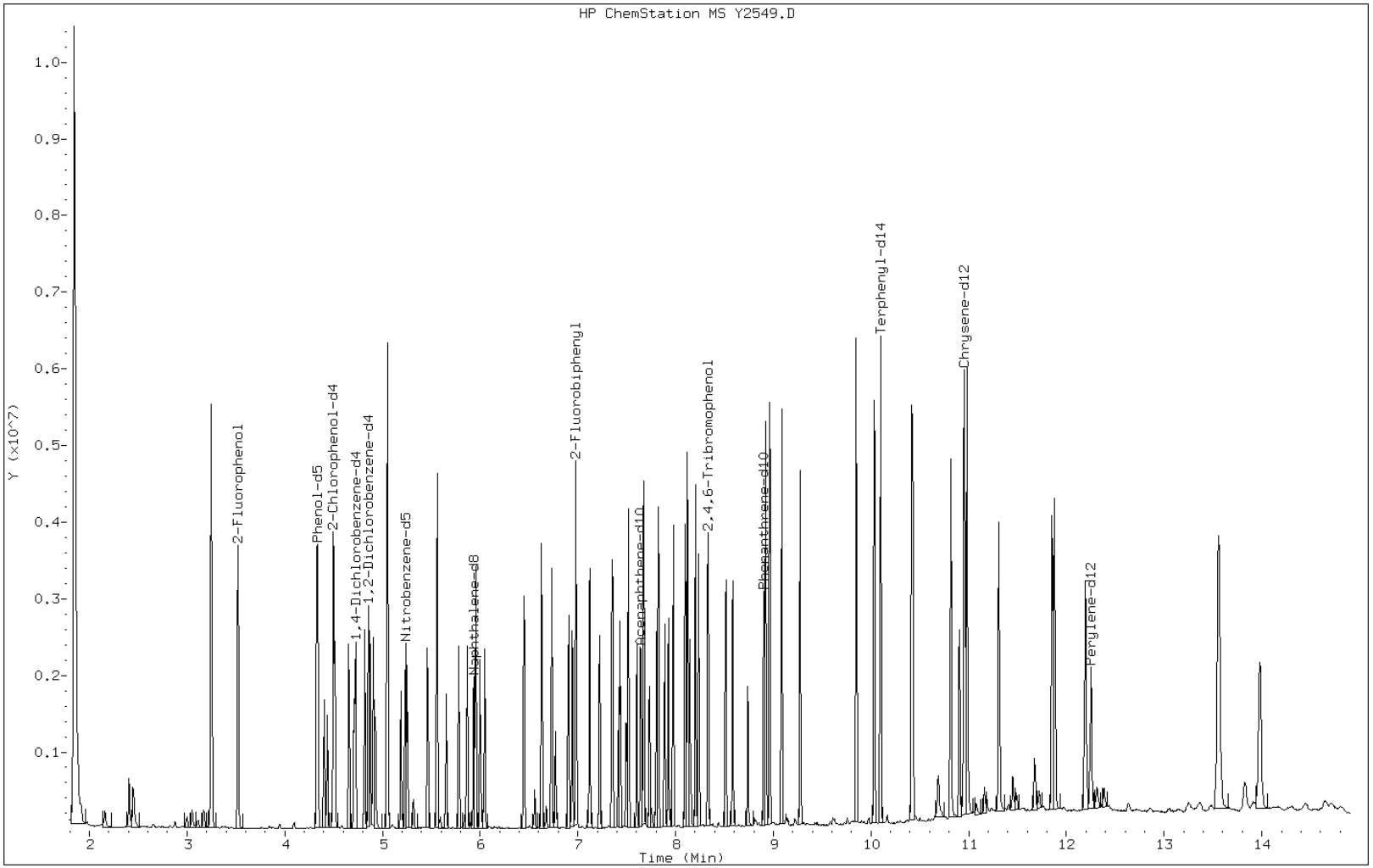
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: Y2549.D

Date: 30-AUG-2011 04:10

Client ID: NWO-178-0003 Instrument: Y.i

Sample Info: 280-19386-a-3-rmsd Operator: TINKHAMS



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Instrument ID: MSS_Y Start Date: 08/15/2011 09:55

Analysis Batch Number: 81442 End Date: 08/15/2011 13:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-81442/1		08/15/2011 09:55	1	Y2252.D	Vf-5MS (30.25) 0.25(mm)
IC 280-81442/2		08/15/2011 10:06	1	Y2253.D	Vf-5MS (30.25) 0.25(mm)
IC 280-81442/3		08/15/2011 10:26	1	Y2254.D	Vf-5MS (30.25) 0.25(mm)
IC 280-81442/4		08/15/2011 10:47	1	Y2255.D	Vf-5MS (30.25) 0.25(mm)
ICIS 280-81442/5		08/15/2011 11:07	1	Y2256.D	Vf-5MS (30.25) 0.25(mm)
IC 280-81442/6		08/15/2011 11:28	1	Y2257.D	Vf-5MS (30.25) 0.25(mm)
IC 280-81442/7		08/15/2011 11:49	1	Y2258.D	Vf-5MS (30.25) 0.25(mm)
IC 280-81442/8		08/15/2011 12:09	1	Y2259.D	Vf-5MS (30.25) 0.25(mm)
IC 280-81442/9		08/15/2011 12:30	1	Y2260.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-81442/10		08/15/2011 13:08	1	Y2261.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-81442/11		08/15/2011 13:29	1	Y2262.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-81442/12		08/15/2011 13:49	1	Y2263.D	Vf-5MS (30.25) 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Instrument ID: MSS_Y Start Date: 08/29/2011 19:10

Analysis Batch Number: 83782 End Date: 08/30/2011 06:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-83782/1		08/29/2011 19:10	1	Y2523.D	Vf-5MS (30.25) 0.25(mm)
CCV 280-83782/2		08/29/2011 19:39	1	Y2524.D	Vf-5MS (30.25) 0.25(mm)
CCV 280-83782/3		08/29/2011 19:59	1		Vf-5MS (30.25) 0.25(mm)
IC 280-83782/4		08/29/2011 20:20	1		Vf-5MS (30.25) 0.25(mm)
MB 280-82751/1-A		08/29/2011 20:40	1	Y2527.D	Vf-5MS (30.25) 0.25(mm)
LCS 280-82751/2-A		08/29/2011 21:01	1	Y2528.D	Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/29/2011 21:21	70		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/29/2011 21:42	50		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/29/2011 22:03	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/29/2011 22:23	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/29/2011 22:44	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/29/2011 23:04	20		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/29/2011 23:24	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/29/2011 23:45	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 00:05	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 00:26	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 00:46	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 01:07	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 01:27	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 01:47	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 02:08	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 02:28	1		Vf-5MS (30.25) 0.25(mm)
280-19386-1	NWO-178-0001	08/30/2011 02:49	1	Y2545.D	Vf-5MS (30.25) 0.25(mm)
280-19386-2	NWO-178-0002	08/30/2011 03:09	1	Y2546.D	Vf-5MS (30.25) 0.25(mm)
280-19386-3	NWO-178-0003	08/30/2011 03:29	1	Y2547.D	Vf-5MS (30.25) 0.25(mm)
280-19386-3 MS	NWO-178-0003 MS	08/30/2011 03:50	1	Y2548.D	Vf-5MS (30.25) 0.25(mm)
280-19386-3 MSD	NWO-178-0003 MSD	08/30/2011 04:10	1	Y2549.D	Vf-5MS (30.25) 0.25(mm)
280-19386-4	NWO-178-0004	08/30/2011 04:30	1	Y2550.D	Vf-5MS (30.25) 0.25(mm)
280-19386-5	NWO-178-0005	08/30/2011 04:51	1	Y2551.D	Vf-5MS (30.25) 0.25(mm)
280-19386-6	NWO-178-0006	08/30/2011 05:11	1	Y2552.D	Vf-5MS (30.25) 0.25(mm)
280-19386-7	NWO-178-0009	08/30/2011 05:31	1	Y2553.D	Vf-5MS (30.25) 0.25(mm)
280-19386-8	NWO-178-0010	08/30/2011 05:51	1	Y2554.D	Vf-5MS (30.25) 0.25(mm)
280-19386-9	NWO-178-5001	08/30/2011 06:12	1	Y2555.D	Vf-5MS (30.25) 0.25(mm)

8270C/DoD

GC/MS SVOAContinuing Calibration Review Checklist *TestAmerica*

Denver

Instrument ID and Date: Y 08/29/11 HSL/AP9/HEX

Check Method Used: Analysis ☐ 625 ☑ 8270 ☐ Other SV _____

Review Items	----- Level 1 ----- Yes	No	N/A	Level 2	Comments
Continuing Calibration					
1. DFTPP meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Do SPCC RRFs and CCC %Ds meet method criteria?	✓			✓	
4. Does %D meet criteria for non-CCC compounds?	✓			✓	
5. Isomeric pairs checked for correct peak assignment?	✓			✓	
6. Standards traceability properly documented?	✓			✓	
7. Manual integrations documented and checked?	✓			✓	
8. Do the Internal Standards meet criteria for %D against ICAL?	✓			✓	

1st Level Reviewer: [signature] Date: 8/29/11

2nd Level Reviewer: [signature] Date: 8/30/11

Revision 0
9/28/10
G:\QA\Edit\Forms\Data Review\GCMS SVOA CCV

Injection Log

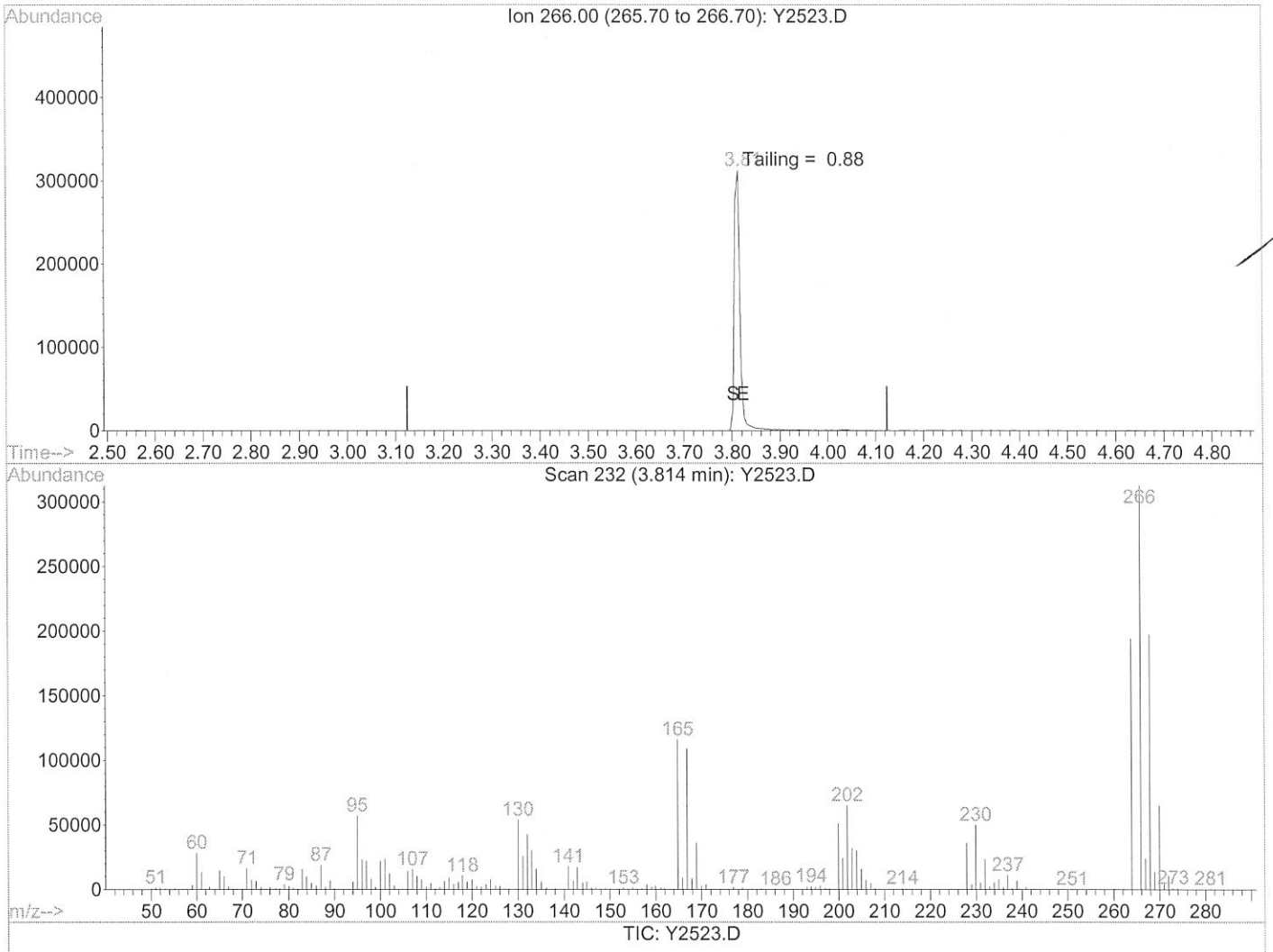
Directory: C:\HPCHEM\1\DATA\082911.B

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	100	Y2522.d	1.	RINSE		29 Aug 2011 18:52
2	1	Y2523.d	1.	DFTPP-376445,,DFTPP-28		29 Aug 2011 19:10
3	2	Y2524.d	1.	CCV-921008,,MS-HSL080		29 Aug 2011 19:39
4	3	Y2525.d	1.	CCV-909140,,MS-AP9080		29 Aug 2011 19:59
5	4	Y2526.d	1.	IC-407895,,MS-HEX1000		29 Aug 2011 20:20
6	5	Y2527.d	1.	mb280-82751_1-a	82751 H	29 Aug 2011 20:40
7	6	Y2528.d	1.	lcs280-82751_2-a	82751 H	29 Aug 2011 21:01
8	7	Y2529.d	1.	ok 280-19254-c-1-a,70, 4-chloraniline ??	82032 HAHEX	29 Aug 2011 21:21
9	8	Y2530.d	1.	280-19254-b-3-b,50, 4-chloroaniline ??	82032 HAHEX	29 Aug 2011 21:42
10	9	Y2531.d	1.	280-19356-b-2-a	82531 HAHEX	29 Aug 2011 22:03
11	10	Y2532.d	1.	280-19359-a-1-a 4-chloroaniline-??	82531 HAHEX	29 Aug 2011 22:23
12	11	Y2533.d	1.	280-19359-b-5-a	82531 HAHEX	29 Aug 2011 22:44
13	12	Y2534.d	1.	280-19359-a-6-a,20, 4-chloroaniline-??	82531 HAHEX	29 Aug 2011 23:04
14	13	Y2535.d	1.	280-19315-a-1-c	82751 H	29 Aug 2011 23:24
15	14	Y2536.d	1.	280-19315-a-2-c	82751 H	29 Aug 2011 23:45
16	15	Y2537.d	1.	280-19315-a-3-g	82751 H	30 Aug 2011 00:05
17	16	Y2538.d	1.	280-19315-a-3-hms	82751 H	30 Aug 2011 00:26
18	17	Y2539.d	1.	280-19315-a-3-imsd	82751 H	30 Aug 2011 00:46
19	18	Y2540.d	1.	280-19315-a-4-c	82751 H	30 Aug 2011 01:07
20	19	Y2541.d	1.	280-19315-a-5-c	82751 H	30 Aug 2011 01:27
21	20	Y2542.d	1.	280-19315-a-6-c	82751 H	30 Aug 2011 01:47
22	21	Y2543.d	1.	280-19315-a-7-c	82751 H	30 Aug 2011 02:08
23	22	Y2544.d	1.	280-19315-a-8-b	82751 H	30 Aug 2011 02:28
24	23	Y2545.d	1.	280-19386-a-1-f	82751 H	30 Aug 2011 02:49
25	24	Y2546.d	1.	280-19386-a-2-f	82751 H	30 Aug 2011 03:09
26	25	Y2547.d	1.	280-19386-a-3-p	82751 H	30 Aug 2011 03:29
27	26	Y2548.d	1.	280-19386-a-3-qms	82751 H	30 Aug 2011 03:50
28	27	Y2549.d	1.	280-19386-a-3-rmsd	82751 H	30 Aug 2011 04:10
29	28	Y2550.d	1.	280-19386-a-4-f	82751 H	30 Aug 2011 04:30
30	29	Y2551.d	1.	280-19386-a-5-f	82751 H	30 Aug 2011 04:51
31	30	Y2552.d	1.	280-19386-a-6-f	82751 H	30 Aug 2011 05:11
32	31	Y2553.d	1.	280-19386-a-7-f	82751 H	30 Aug 2011 05:31
33	32	Y2554.d	1.	280-19386-a-8-f	82751 H	30 Aug 2011 05:51
34	33	Y2555.d	1.	280-19386-a-9-f	82751 H	30 Aug 2011 06:12
35	98	Y2556.d	1.	RINSE		30 Aug 2011 06:32
36	99	Y2557.d	1.	RINSE		30 Aug 2011 06:53
37	100	Y2558.d	1.	RINSE		30 Aug 2011 07:13
38	98	Y2559.d	1.	RINSE		30 Aug 2011 07:33
39	99	Y2560.d	1.	RINSE		30 Aug 2011 07:54
40	100	Y2561.d	1.	RINSE		30 Aug 2011 08:14

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\082911.B\Y2523.D Vial: 1
Acq On : 29 Aug 2011 7:10 pm Operator: TINKHAMS
Sample : DFTPP-376445,,DFTPP-28 Inst : GC/MS Y
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Aug 29 19:38 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 01 12:03:46 2010
Response via : Single Level Calibration



(1) Pentachlorophenol (tailing <5.0)

3.81min 0.00

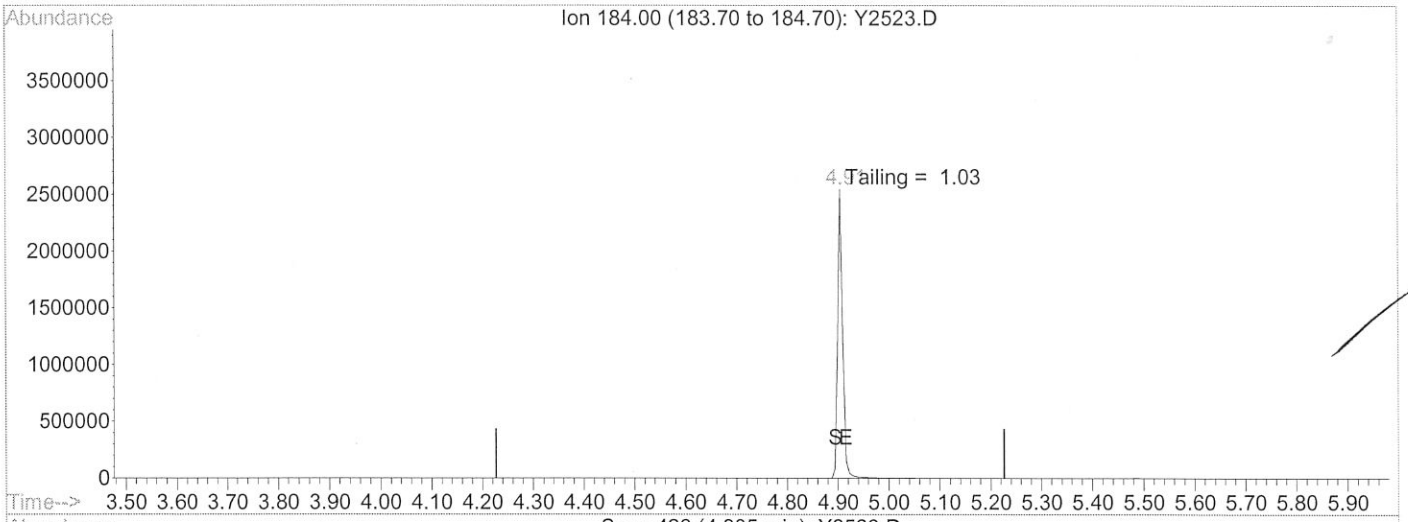
response 2500247

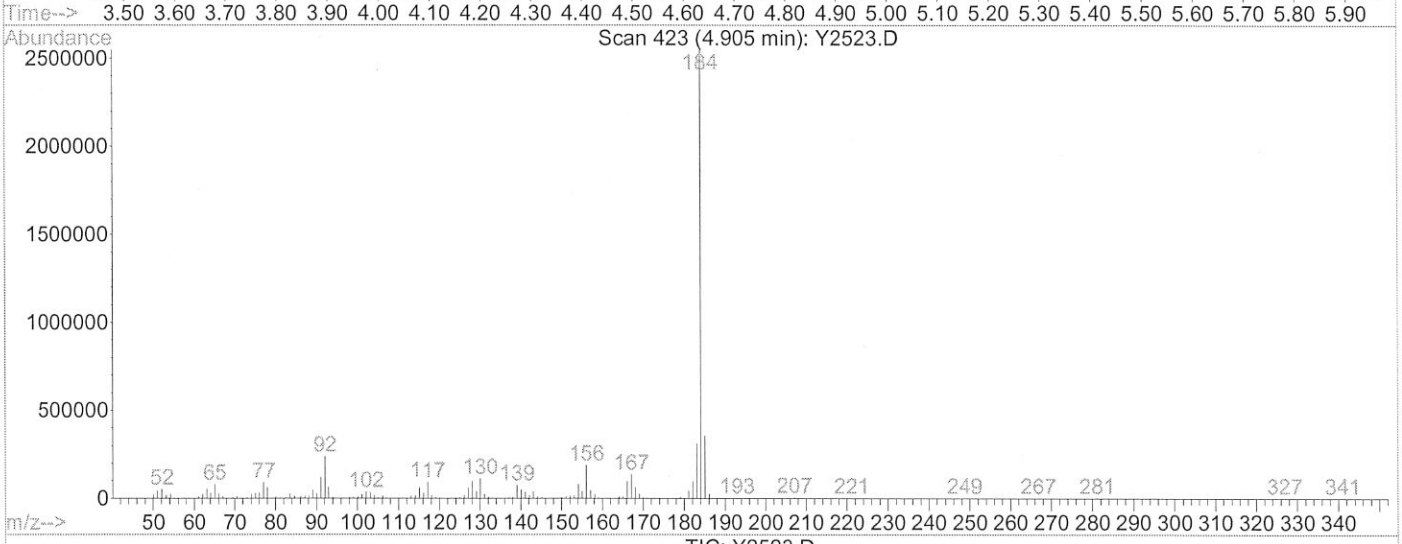
Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\082911.B\Y2523.D Vial: 1
Acq On : 29 Aug 2011 7:10 pm Operator: TINKHAMS
Sample : DFTPP-376445,,DFTPP-28 Inst : GC/MS Y
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Aug 29 19:38 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 01 12:03:46 2010
Response via : Single Level Calibration





TIC: Y2523.D

(2) Benzidine (tailing <3.0)

4.91min 0.00

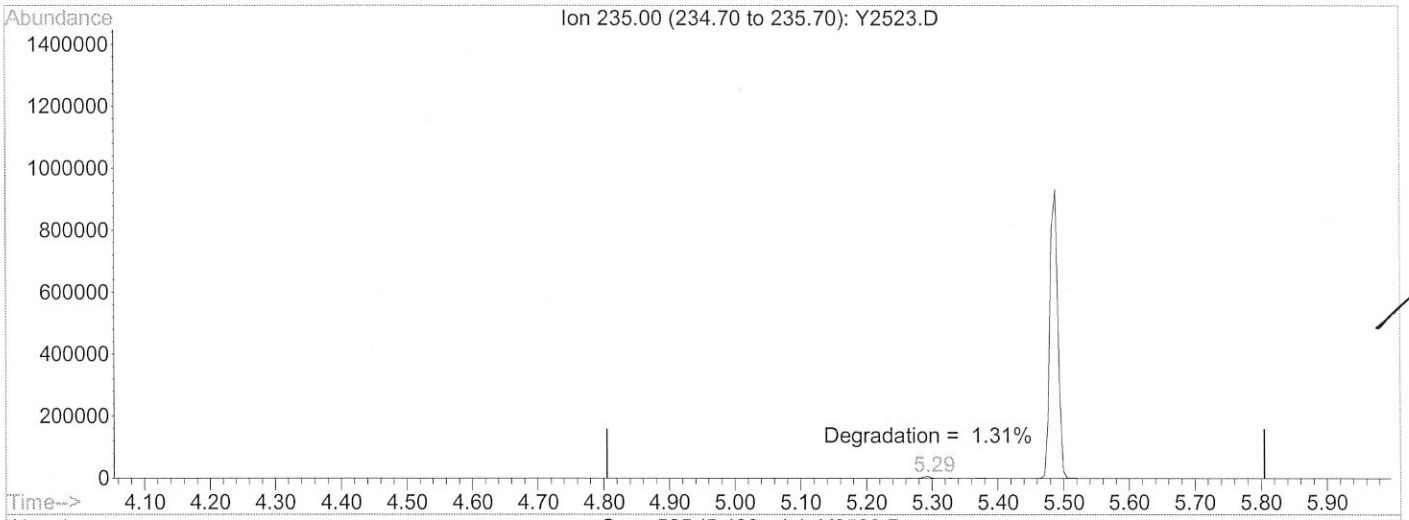
response 17540891

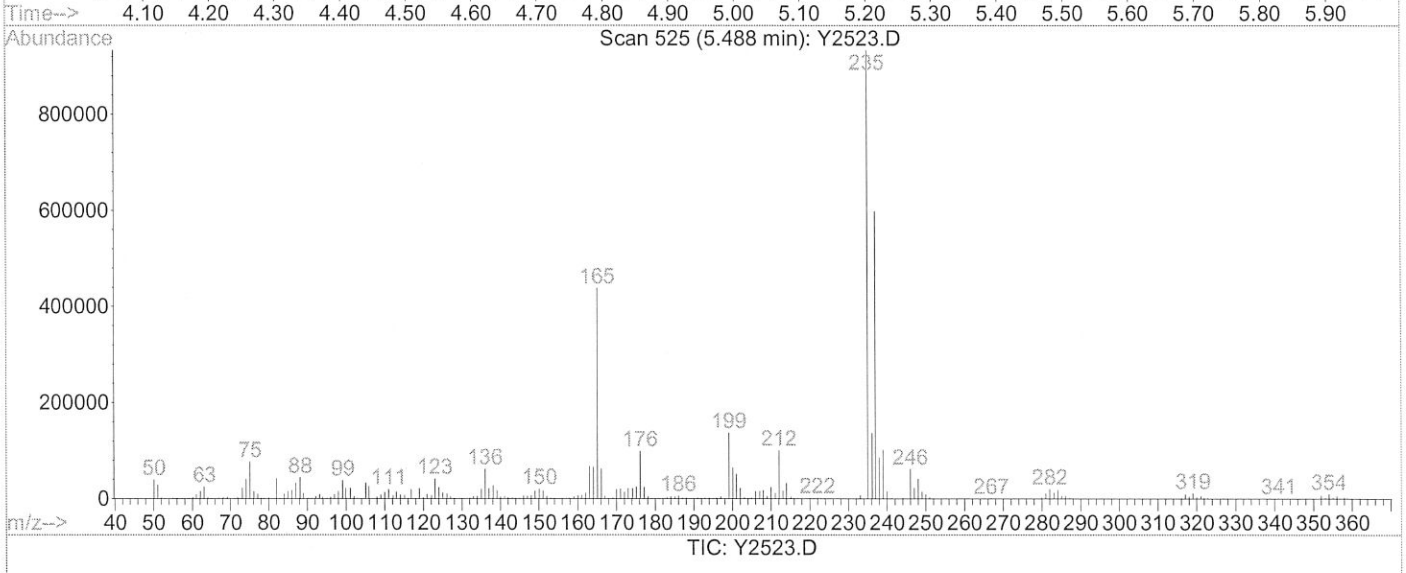
Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\082911.B\Y2523.D Vial: 1
Acq On : 29 Aug 2011 7:10 pm Operator: TINKHAMS
Sample : DFTPP-376445,,DFTPP-28 Inst : GC/MS Y
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Aug 29 19:38 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 01 12:03:46 2010
Response via : Single Level Calibration





TIC: Y2523.D

(3) DDT (degradation <20%)

5.49min 0.00

response 7696664

Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

TestAmerica Denver
GC/MS SVOA Initial Calibration Review Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument ID and Date: **Y HSL 081511**
Calibration Event 6838 Batch 81442

Check Method Used: Analysis ☒ 625 ☒ 8270 ☐ Other SV _____

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Initial Calibration					
1. DFTPP meets criteria?	X			✓	
2. ICAL date and instrument ID verified?	X			✓	
3. Does the Form VI match the data in the Target source method?	X			✓	
4. Sufficient number of calibration points used?	X			✓	
5. Reasons for removal of points documented?	X			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	X			✓	
7. If RRF used for ICAL, were all compounds within 15% RSD?			X	N/A	List all exceptions below (cpd & RSD)
8. Response factors meet criteria?	X			✓	
9. Isomeric pairs checked for correct peak assignment?	X			✓	
10. Data checked for detector saturation?	X			✓	
11. Standards traceability properly documented?	X			✓	
12. Manual integrations documented and checked?			X	N/A	
13. 2nd source ICV recovery 75-125% (±25%drift)for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.	X			✓	

1st Level Reviewer: _____ Date: 08/15/11

2nd Level Reviewer: _____ Date: 8/16/11

Revision 0
09/28/2010
G:\QA\Edit\Forms|GCMS SVOA ICAL

Injection Log

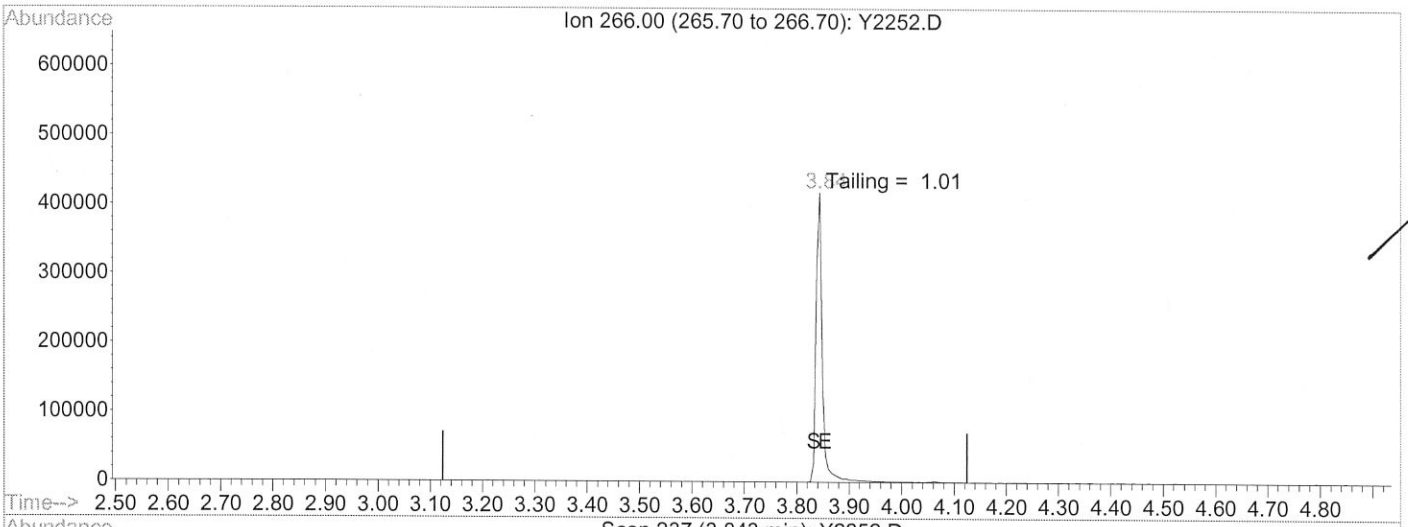
Directory: C:\HPCHEM\1\DATA\081511.B

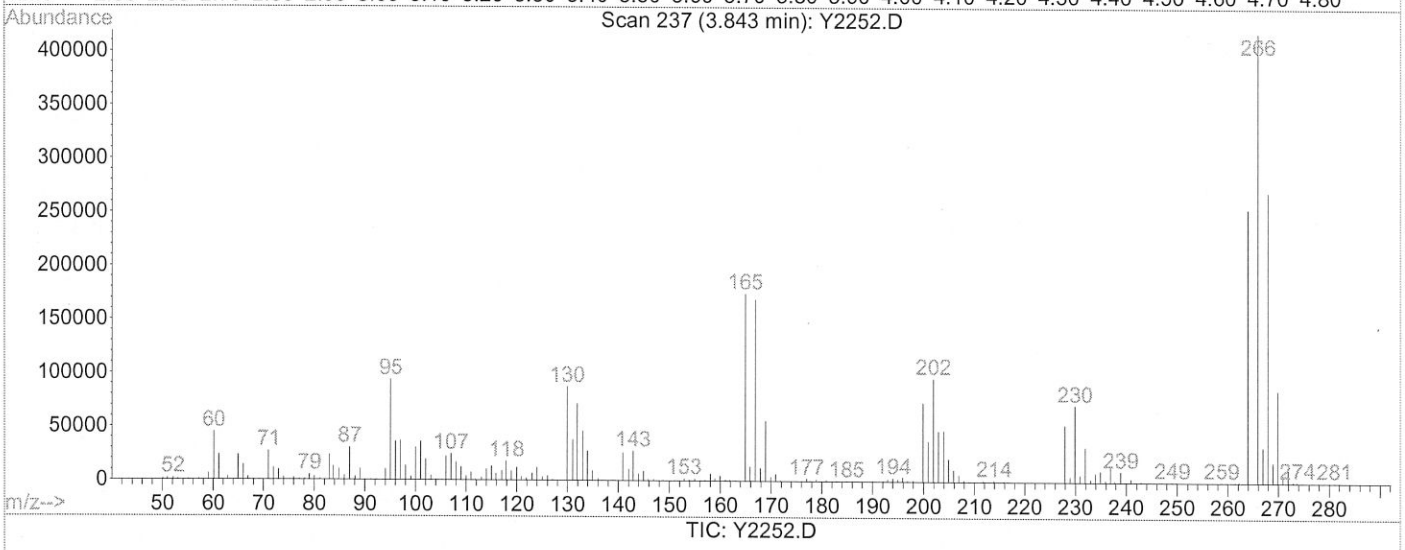
Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	Y2251.d	1.	RINSE		15 Aug 2011 09:44
2	1	Y2252.d	1.	DFTPP-376445,,DFTPP-28		15 Aug 2011 09:55
3	2	Y2253.d	1.	IC-921007,,MS-HSL200		15 Aug 2011 10:06
4	3	Y2254.d	1.	IC-921006,,MS-HSL160		15 Aug 2011 10:26
5	4	Y2255.d	1.	IC-921005,,MS-HSL120		15 Aug 2011 10:47
6	5	Y2256.d	1.	ICIS-921004,,MS-HSL080		15 Aug 2011 11:07
7	6	Y2257.d	1.	IC-921003,,MS-HSL050		15 Aug 2011 11:28
8	7	Y2258.d	1.	IC-921002,,MS-HSL020		15 Aug 2011 11:49
9	8	Y2259.d	1.	IC-921001,,MS-HSL010		15 Aug 2011 12:09
10	9	Y2260.d	1.	IC-921000,,MS-HSL004		15 Aug 2011 12:30
11	10	Y2261.d	1.	ICV-885219,,MS-HSLSSV		15 Aug 2011 13:08
12	11	Y2262.d	1.	ICV-840626,,MS-BENZSSV		15 Aug 2011 13:29
13	12	Y2263.d	1.	ICV-840612,,MS-FAMSSV		15 Aug 2011 13:49

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\081511.B\Y2252.D Vial: 1
Acq On : 15 Aug 2011 9:55 am Operator: TINKHAMS
Sample : DFTPP-376445,,DFTPP-28 Inst : GC/MS Y
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Aug 15 14:05 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 01 12:03:46 2010
Response via : Single Level Calibration





(1) Pentachlorophenol (tailing <5.0)

3.84min 0.00

response 3419110

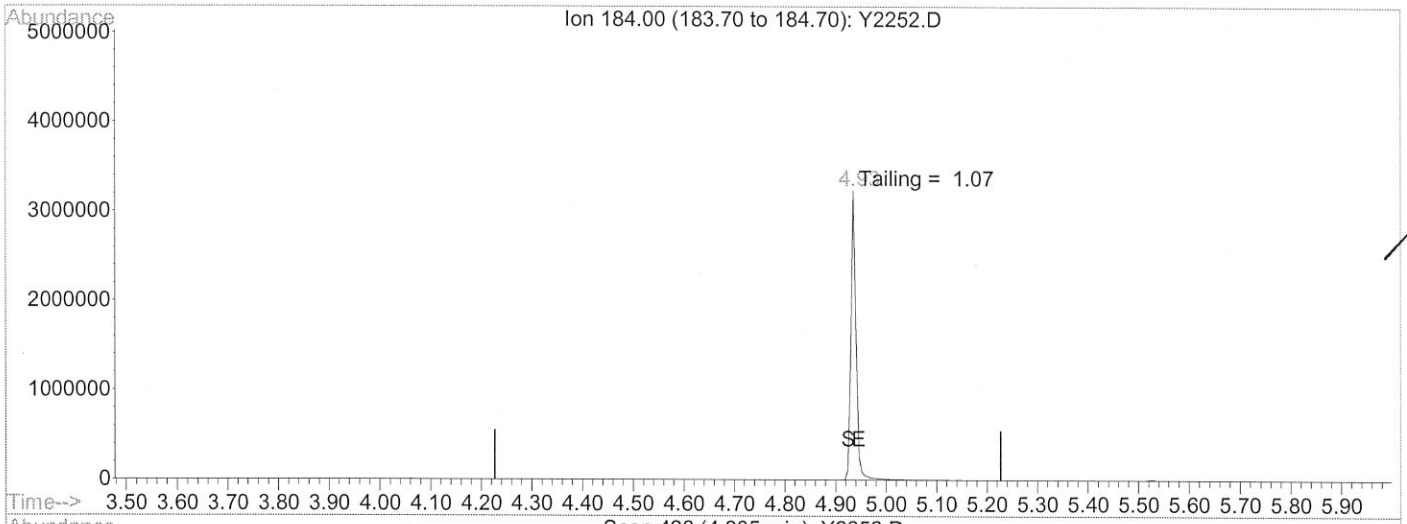
Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

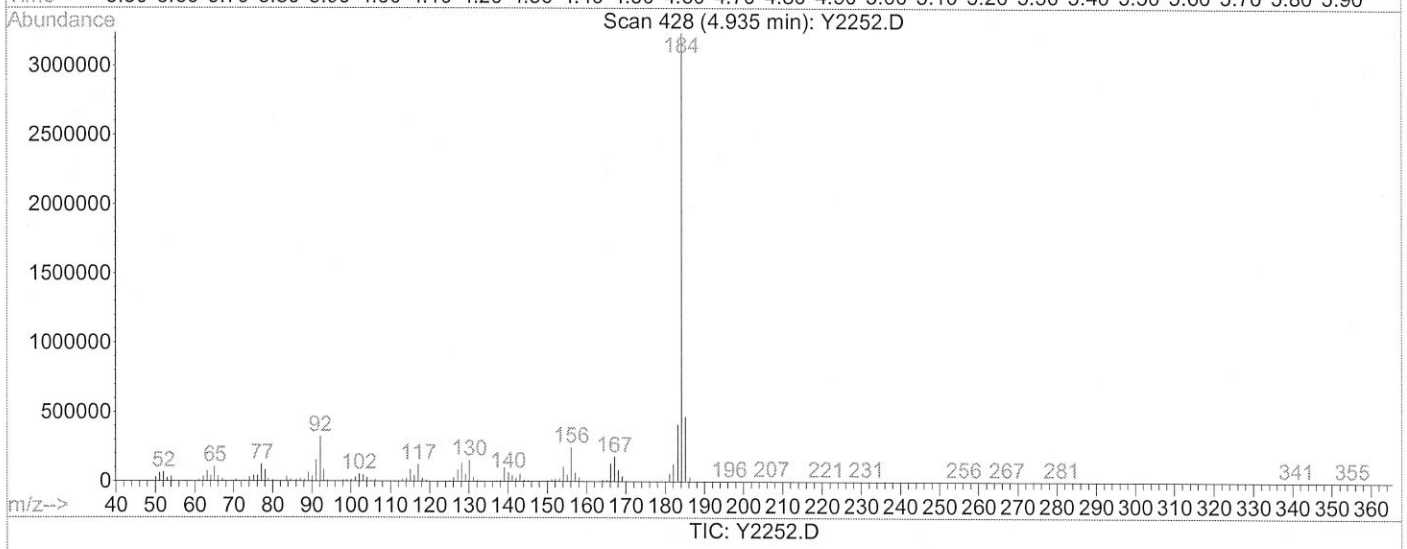
Y2252.D DFTPPC.M Mon Aug 15 14:05:19 2011

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\081511.B\Y2252.D Vial: 1
Acq On : 15 Aug 2011 9:55 am Operator: TINKHAMS
Sample : DFTPP-376445,,DFTPP-28 Inst : GC/MS Y
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Aug 15 14:05 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 01 12:03:46 2010
Response via : Single Level Calibration





(2) Benzidine (tailing <3.0)

4.94min 0.00

response 23148981

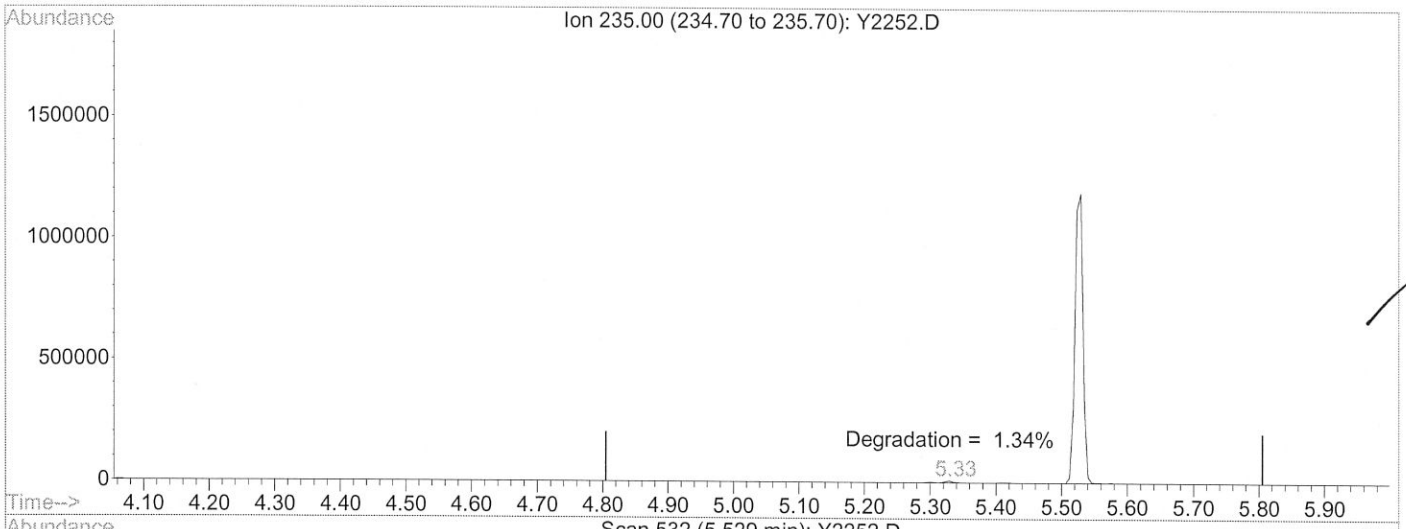
Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

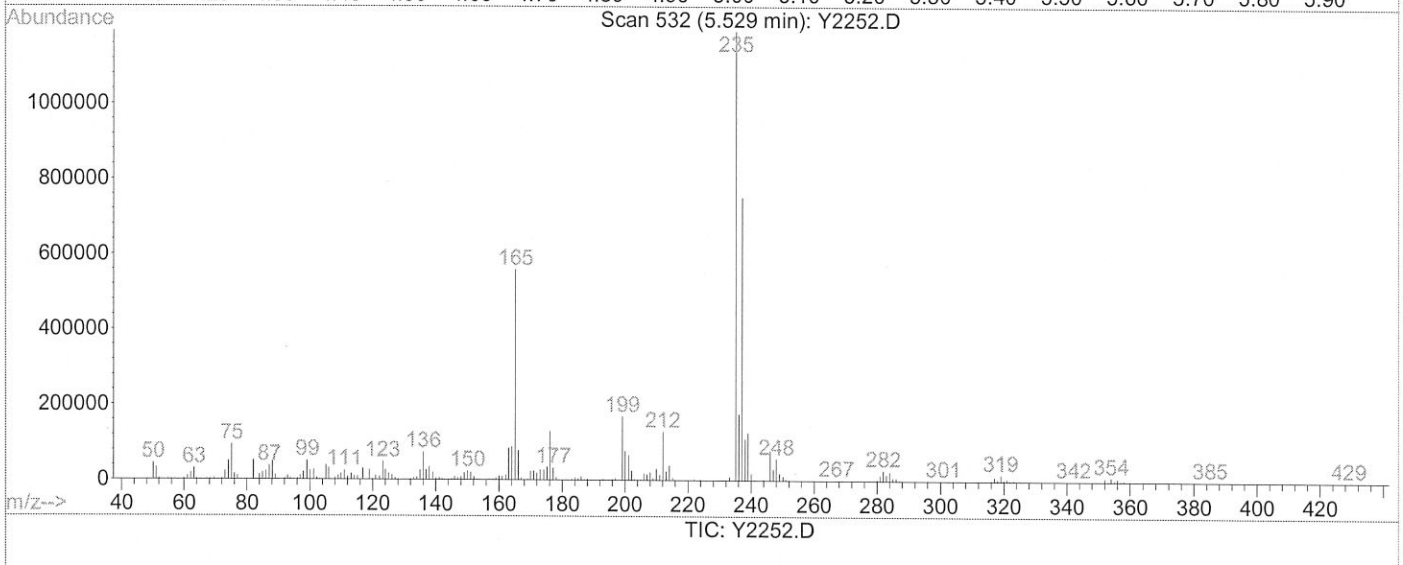
Y2252.D DFTPPC.M Mon Aug 15 14:05:25 2011

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\081511.B\Y2252.D Vial: 1
Acq On : 15 Aug 2011 9:55 am Operator: TINKHAMS
Sample : DFTPP-376445,,DFTPP-28 Inst : GC/MS Y
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Aug 15 14:05 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Tue Jun 01 12:03:46 2010
Response via : Single Level Calibration





(3) DDT (degradation <20%)

5.53min 0.00

response 10220887

Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Batch Number: 82751 Batch Start Date: 08/24/11 09:40 Batch Analyst: Vu, John Dat C

Batch Method: 3550C Batch End Date: 08/24/11 19:54

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8270LCS80ppm 00026	8270Surrogate 00031		
MB 280-82751/1		3550C, 8270C/DoD		30.0 g	1000 uL		1 mL		
LCS 280-82751/2		3550C, 8270C/DoD		30.1 g	1000 uL	1 mL	1 mL		
280-19386-A-1-B	NWO-178-0001	3550C, 8270C/DoD	T	31 g	1000 uL		1 mL		
280-19386-A-2-B	NWO-178-0002	3550C, 8270C/DoD	T	30.2 g	1000 uL		1 mL		
280-19386-A-3-D	NWO-178-0003	3550C, 8270C/DoD	T	33 g	1000 uL		1 mL		
280-19386-A-3-E MS	NWO-178-0003	3550C, 8270C/DoD	T	30.4 g	1000 uL	1 mL	1 mL		
280-19386-A-3-F MSD	NWO-178-0003	3550C, 8270C/DoD	T	30.2 g	1000 uL	1 mL	1 mL		
280-19386-A-4-B	NWO-178-0004	3550C, 8270C/DoD	T	30.8 g	1000 uL		1 mL		
280-19386-A-5-B	NWO-178-0005	3550C, 8270C/DoD	T	30.1 g	1000 uL		1 mL		
280-19386-A-6-B	NWO-178-0006	3550C, 8270C/DoD	T	31.0 g	1000 uL		1 mL		
280-19386-A-7-B	NWO-178-0009	3550C, 8270C/DoD	T	30.4 g	1000 uL		1 mL		
280-19386-A-8-B	NWO-178-0010	3550C, 8270C/DoD	T	30.9 g	1000 uL		1 mL		
280-19386-A-9-B	NWO-178-5001	3550C, 8270C/DoD	T	30.9 g	1000 uL		1 mL		

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Batch Number: 82751 Batch Start Date: 08/24/11 09:40 Batch Analyst: Vu, John Dat C

Batch Method: 3550C Batch End Date: 08/24/11 19:54

Batch Notes	
Balance ID	24750402
Batch Comment	DV-OP-0016/7
Blank Soil Lot Number	2AB0606
Person's name who did the concentration	Smiley, K/ Hubbs, L
Na2SO4 Lot Number	K10624A_00001
Nominal Amount Used	30 g
Prep Solvent Lot #	K25E22
Prep Solvent Name	1:1 MeCl2/Acetone
Prep Solvent Volume Used	300 mL
Person's name who witnessed reagent drop	Reviewer:CLUKEY.L S/S:VU.D-E
Water Bath ID	A/B
Water Bath Temperature	88 Degrees C

Basis	Basis Description
T	Total/NA

Method 8330B

Nitroaromatics and Nitramines (HPLC) by Method 8330B

FORM II
HPLC/IC SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): UltraCarb5u ID: 4.6 (mm)

Client Sample ID	Lab Sample ID	12DNB1 #
NWO-178-0001	280-19386-1	98
NWO-178-0002	280-19386-2	96
NWO-178-0003	280-19386-3	95
NWO-178-0004	280-19386-4	101
NWO-178-0005	280-19386-5	94
NWO-178-0006	280-19386-6	89
NWO-178-0009	280-19386-7	98
NWO-178-0010	280-19386-8	98
	MB 280-82896/1-A	96
	PB 280-82481/20-B	92
	LCS 280-82896/4-A	111
	LCSSRM 280-82481/21-B	107
NWO-178-0003 MS	280-19386-3 MS	102
NWO-178-0003 MSD	280-19386-3 MSD	104

	QC LIMITS
12DNB = 1,2-Dinitrobenzene	83-122

Column to be used to flag recovery values

FORM II 8330B

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 08260030.D

Lab ID: LCS 280-82896/4-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
2-Amino-4,6-dinitrotoluene	0.963	1.00	104	80-125	
4-Amino-2,6-dinitrotoluene	0.963	1.03	106	80-125	
2,4-Dinitrotoluene	0.963	1.02	106	80-125	
2,6-Dinitrotoluene	0.963	0.981	102	80-120	
Nitroglycerin	9.63	9.63	100	68-131	
2-Nitrotoluene	0.963	1.01	104	80-125	
3-Nitrotoluene	0.963	1.04	108	75-120	
Nitrobenzene	0.963	1.08	112	75-125	
4-Nitrotoluene	0.963	0.999	104	75-125	
1,3,5-Trinitrobenzene	0.963	1.01	105	75-125	
1,3-Dinitrobenzene	0.963	1.03	107	80-125	
HMX	0.963	1.08	112	75-125	
RDX	0.963	1.16	120	70-135	
Tetryl	0.963	1.07	111	10-150	
PETN	9.63	9.75	101	69-132	
2,4,6-Trinitrotoluene	0.963	1.04	108	55-140	

Column to be used to flag recovery and RPD values

FORM III 8330B

FORM III
HPLC/IC LCS-CERTIFIED REFERENCE MATERIAL RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 08260029.D

Lab ID: LCSSRM 280-82481/21-B Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCSSRM CONCENTRATION (mg/Kg)	LCSSR % REC	QC LIMITS REC	#
2-Amino-4,6-dinitrotoluene	0.600	0.544	91	47-132	
4-Amino-2,6-dinitrotoluene	0.600	0.468	78	10-125	
2,4-Dinitrotoluene	0.600	0.609	101	56-140	
2,6-Dinitrotoluene	0.602	0.615	102	54-143	
Nitroglycerin	0.600	0.450 J	75	10-150	M
2-Nitrotoluene	0.604	0.563	93	52-141	
3-Nitrotoluene	0.599	0.522	87	41-129	
Nitrobenzene	0.602	0.495	82	35-130	
4-Nitrotoluene	0.603	0.565	94	51-143	
1,3,5-Trinitrobenzene	0.600	0.507	85	43-130	
1,3-Dinitrobenzene	0.602	0.574	95	42-140	
HMX	0.600	0.581	97	58-134	
RDX	0.600	0.555	93	41-123	
PETN	0.600	0.470 U	44	60-115	Q
2,4,6-Trinitrotoluene	0.600	0.531	89	17-145	

Column to be used to flag recovery and RPD values

FORM III 8330B

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 08260036.D

Lab ID: 280-19386-3 MS Client ID: NWO-178-0003 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
2-Amino-4,6-dinitrotoluene	0.987	0.0325 U	0.977	99	66-131	
4-Amino-2,6-dinitrotoluene	0.987	0.0296 U	0.917	93	38-120	
2,4-Dinitrotoluene	0.987	0.0145 U	1.03	104	72-125	
2,6-Dinitrotoluene	0.987	0.0189 U	0.997	101	67-130	
Nitroglycerin	9.87	0.213 U	9.91	100	61-160	
2-Nitrotoluene	0.987	0.0467 U	1.05	107	71-124	
3-Nitrotoluene	0.987	0.0633 U	1.11	112	69-122	
Nitrobenzene	0.987	0.0841 U	1.03	104	76-122	
4-Nitrotoluene	0.987	0.0361 U	1.09	110	73-132	
1,3,5-Trinitrobenzene	0.987	0.0136 U	0.980	99	67-132	
1,3-Dinitrobenzene	0.987	0.0164 U	0.994	101	72-126	
HMX	0.987	0.0225 U	0.845	86	60-127	
RDX	0.987	0.0425 U	0.973	99	52-124	
Tetryl	0.987	0.0434 U	1.05	106	63-140	
PETN	9.87	0.488 U	9.75	99	55-129	
2,4,6-Trinitrotoluene	0.987	0.0304 U	1.04	105	66-125	

Column to be used to flag recovery and RPD values

FORM III 8330B

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 08260037.D

Lab ID: 280-19386-3 MSD Client ID: NWO-178-0003 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2-Amino-4,6-dinitrotoluene	0.955	0.320	33	101	30	66-131	J
4-Amino-2,6-dinitrotoluene	0.955	0.0286 U	0	200	30	38-120	J
2,4-Dinitrotoluene	0.955	1.26	132	20	30	72-125	J
2,6-Dinitrotoluene	0.955	0.943	99	6	30	67-130	
Nitroglycerin	9.55	9.09	95	9	30	61-160	
2-Nitrotoluene	0.955	0.986	103	7	30	71-124	
3-Nitrotoluene	0.955	1.04	109	6	30	69-122	
Nitrobenzene	0.955	0.967	101	6	30	76-122	
4-Nitrotoluene	0.955	1.05	110	3	30	73-132	
1,3,5-Trinitrobenzene	0.955	1.12	117	13	30	67-132	
1,3-Dinitrobenzene	0.955	0.928	97	7	30	72-126	
HMX	0.955	0.931	97	10	30	60-127	
RDX	0.955	1.04	109	6	30	52-124	
Tetryl	0.955	0.970	102	8	30	63-140	
PETN	9.55	9.13	96	7	30	55-129	
2,4,6-Trinitrotoluene	0.955	0.990	104	5	30	66-125	M

Column to be used to flag recovery and RPD values

FORM III 8330B

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Lab Sample ID: MB 280-82896/1-A

Matrix: Solid Date Extracted: 08/24/2011 20:28

Lab File ID:(1) 08260027.D Lab File ID:(2)

Date Analyzed:(1) 08/26/2011 21:04 Date Analyzed:(2)

Instrument ID:(1) CHHPLCX4_C18 Instrument ID:(2)

GC Column:(1) UltraCarb5uO ID: 4.6(mm) GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	PB 280-82481/20-B	08/26/2011 21:31	
	LCSSRM 280-82481/21-B	08/26/2011 21:57	
	LCS 280-82896/4-A	08/26/2011 22:23	
NWO-178-0001	280-19386-1	08/26/2011 23:42	
NWO-178-0002	280-19386-2	08/27/2011 00:08	
NWO-178-0003	280-19386-3	08/27/2011 00:35	
NWO-178-0003 MS	280-19386-3 MS	08/27/2011 01:01	
NWO-178-0003 MSD	280-19386-3 MSD	08/27/2011 01:27	
NWO-178-0004	280-19386-4	08/27/2011 01:54	
NWO-178-0005	280-19386-5	08/27/2011 02:20	
NWO-178-0006	280-19386-6	08/27/2011 02:46	
NWO-178-0009	280-19386-7	08/27/2011 03:13	
NWO-178-0010	280-19386-8	08/27/2011 03:39	

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19386-1

SDG No.:

Client Sample ID: NWO-178-0001 | Lab Sample ID: 280-19386-1

Matrix: Solid | Lab File ID: 08260033.D

Analysis Method: 8330B | Date Collected: 08/18/2011 15:51

Extraction Method: 8330B | Date Extracted: 08/24/2011 20:28

Sample wt/vol: 10.61(g) | Date Analyzed: 08/26/2011 23:42

Con. Extract Vol.: 40000(uL) | Dilution Factor: 1

Injection Volume: 100(uL) | GC Column: UltraCarb5uODS ID: 4.6(mm)

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

Analysis Batch No.: 83223 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.0310	U	0.0943	0.0310
19406-51-0	4-Amino-2,6-dinitrotoluene	0.0282	U	0.0943	0.0282
121-14-2	2,4-Dinitrotoluene	0.0139	U	0.0943	0.0139
606-20-2	2,6-Dinitrotoluene	0.0180	U	0.0943	0.0180
55-63-0	Nitroglycerin	0.203	U	1.89	0.203
88-72-2	2-Nitrotoluene	0.0445	U	0.189	0.0445
99-08-1	3-Nitrotoluene	0.0603	U	0.189	0.0603
98-95-3	Nitrobenzene	0.0801	U	0.283	0.0801
99-99-0	4-Nitrotoluene	0.0344	U	0.189	0.0344
99-35-4	1,3,5-Trinitrobenzene	0.0130	U	0.0943	0.0130
99-65-0	1,3-Dinitrobenzene	0.0156	U	0.0943	0.0156
2691-41-0	HMX	0.0214	U	0.0943	0.0214
121-82-4	RDX	0.0405	U	0.189	0.0405
479-45-8	Tetryl	0.0414	U	0.189	0.0414
78-11-5	PETN	0.465	U	1.89	0.465
118-96-7	2,4,6-Trinitrotoluene	0.0289	U	0.0943	0.0289

CAS NO.	SURROGATE	%REC	Q	LIMITS
528-29-0	1,2-Dinitrobenzene	98		83-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260033.D		
Lims ID:	280-19386-A-1-G	Client ID:	NWO-178-0001
Inject. Date:	26-Aug-2011 23:42:42	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-19386-A-1-G		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	33
Lims Batch ID:	83223	Lims Sample ID:	33
Method:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\8330_X4.m		
Last Update:	29-Aug-2011 08:28:06	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

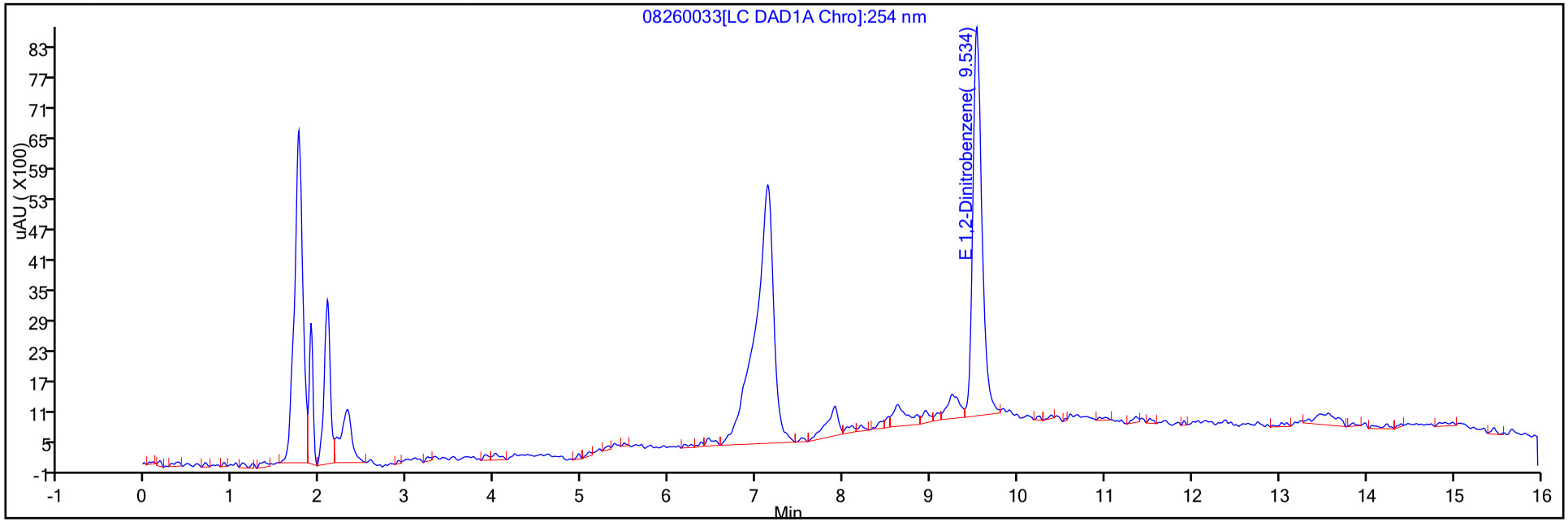
First Level Reviewer: kellisonm Date: 29-Aug-2011 13:06:33

Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
E 8 1,2-Dinitrobenzene	1	9.534	9.537	-0.003	56238	0.2438	

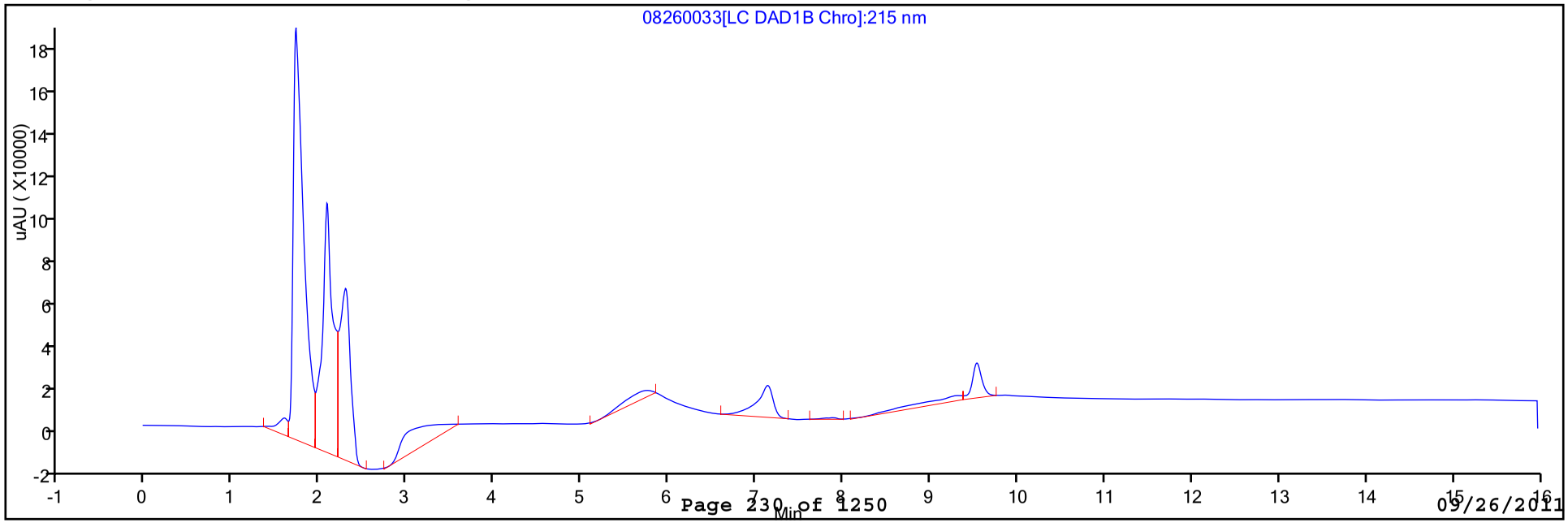
Report Date: 29-Aug-2011 13:06:33 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260033.D		
Injection Date:	26-Aug-2011 23:42:42	Limit Group:	GCSV - 8330B
Client ID:	NWO-178-0001	Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	83223	Lims Sample ID:	33
Operator ID:	mpk	Injection Vol:	100.00 ul

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



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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19386-1

SDG No.:

Client Sample ID: NWO-178-0002 | Lab Sample ID: 280-19386-2

Matrix: Solid | Lab File ID: 08260034.D

Analysis Method: 8330B | Date Collected: 08/19/2011 16:17

Extraction Method: 8330B | Date Extracted: 08/24/2011 20:28

Sample wt/vol: 10.60(g) | Date Analyzed: 08/27/2011 00:08

Con. Extract Vol.: 40000(uL) | Dilution Factor: 1

Injection Volume: 100(uL) | GC Column: UltraCarb5uODS ID: 4.6(mm)

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

Analysis Batch No.: 83223 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.0310	U	0.0943	0.0310
19406-51-0	4-Amino-2,6-dinitrotoluene	0.0282	U	0.0943	0.0282
121-14-2	2,4-Dinitrotoluene	0.0139	U	0.0943	0.0139
606-20-2	2,6-Dinitrotoluene	0.0180	U	0.0943	0.0180
55-63-0	Nitroglycerin	0.203	U	1.89	0.203
88-72-2	2-Nitrotoluene	0.0445	U	0.189	0.0445
99-08-1	3-Nitrotoluene	0.0604	U	0.189	0.0604
98-95-3	Nitrobenzene	0.0802	U	0.283	0.0802
99-99-0	4-Nitrotoluene	0.0344	U	0.189	0.0344
99-35-4	1,3,5-Trinitrobenzene	0.0130	U	0.0943	0.0130
99-65-0	1,3-Dinitrobenzene	0.0157	U	0.0943	0.0157
2691-41-0	HMX	0.0214	U	0.0943	0.0214
121-82-4	RDX	0.0406	U	0.189	0.0406
479-45-8	Tetryl	0.0414	U	0.189	0.0414
78-11-5	PETN	0.465	U	1.89	0.465
118-96-7	2,4,6-Trinitrotoluene	0.0290	U	0.0943	0.0290

CAS NO.	SURROGATE	%REC	Q	LIMITS
528-29-0	1,2-Dinitrobenzene	96		83-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260034.D		
Lims ID:	280-19386-A-2-G	Client ID:	NWO-178-0002
Inject. Date:	27-Aug-2011 00:08:58	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-19386-A-2-G		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	34
Lims Batch ID:	83223	Lims Sample ID:	34
Method:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\8330_X4.m		
Last Update:	29-Aug-2011 08:28:06	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

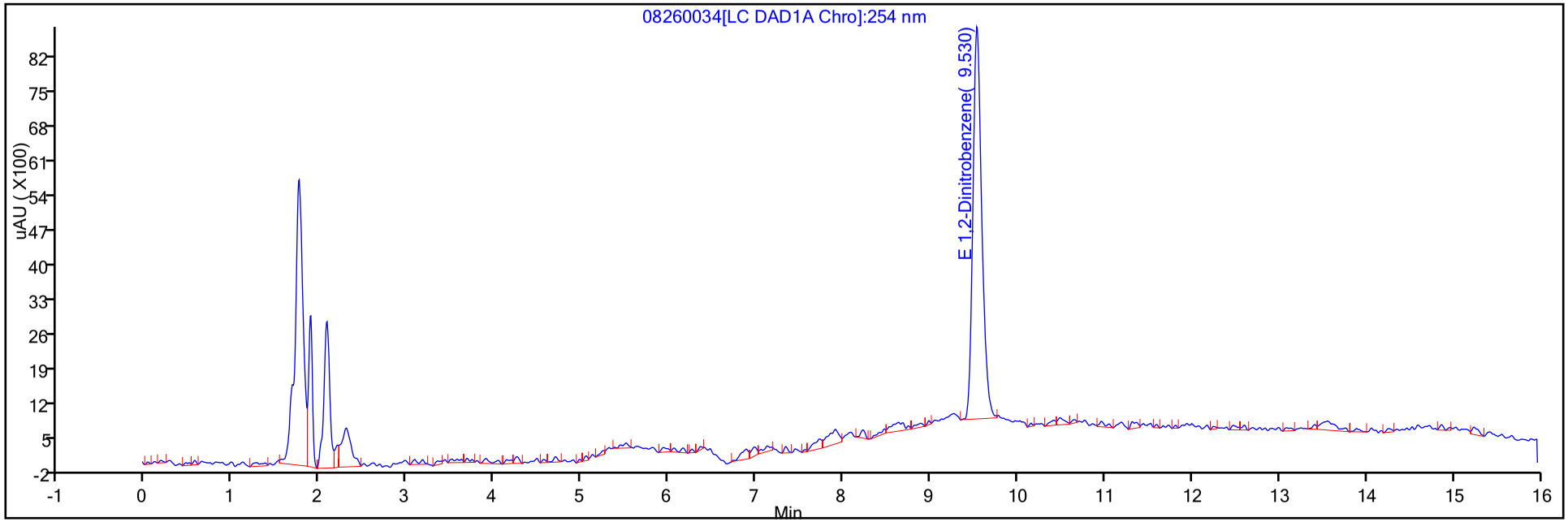
First Level Reviewer: kellisonm Date: 29-Aug-2011 13:06:35

Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
E 8 1,2-Dinitrobenzene	1	9.530	9.537	-0.007	55503	0.2406	

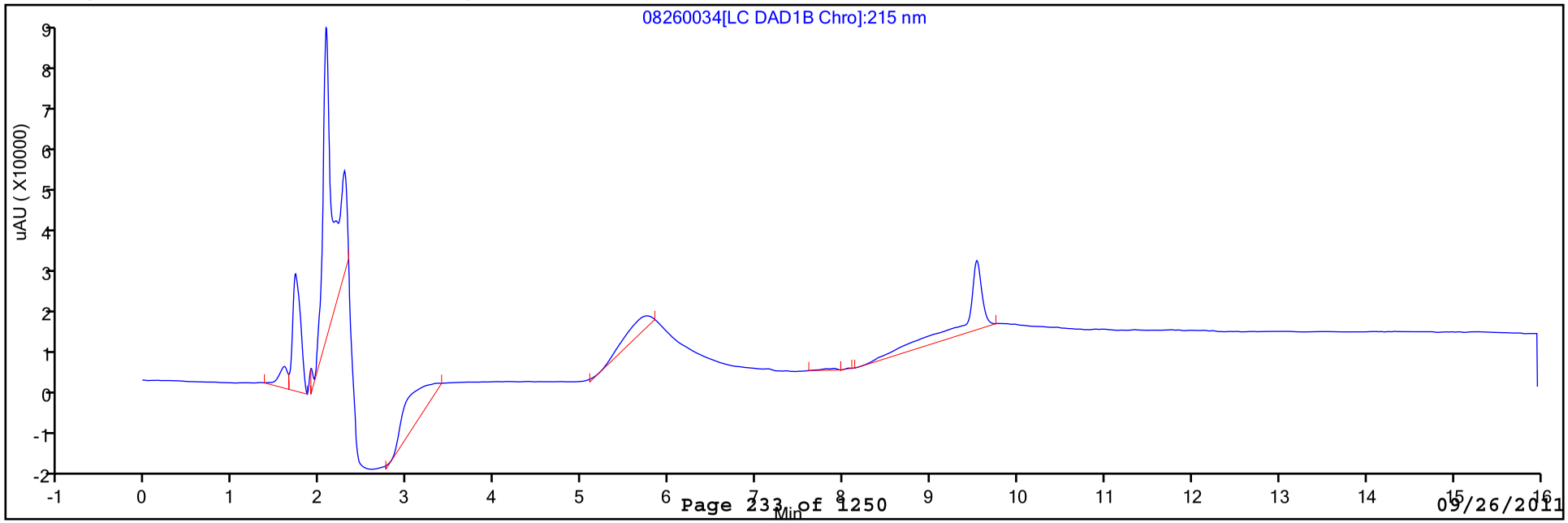
Report Date: 29-Aug-2011 13:06:35 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260034.D		
Injection Date:	27-Aug-2011 00:08:58	Limit Group:	GCSV - 8330B
Client ID:	NWO-178-0002	Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	83223	Lims Sample ID:	34
Operator ID:	mpk	Injection Vol:	100.00 ul

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



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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19386-1

SDG No.:

Client Sample ID: NWO-178-0003 | Lab Sample ID: 280-19386-3

Matrix: Solid | Lab File ID: 08260035.D

Analysis Method: 8330B | Date Collected: 08/19/2011 15:06

Extraction Method: 8330B | Date Extracted: 08/24/2011 20:28

Sample wt/vol: 10.11(g) | Date Analyzed: 08/27/2011 00:35

Con. Extract Vol.: 40000(uL) | Dilution Factor: 1

Injection Volume: 100(uL) | GC Column: UltraCarb5uODS ID: 4.6(mm)

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

Analysis Batch No.: 83223 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.0325	U J	0.0989	0.0325
19406-51-0	4-Amino-2,6-dinitrotoluene	0.0296	U J	0.0989	0.0296
121-14-2	2,4-Dinitrotoluene	0.0145	U J	0.0989	0.0145
606-20-2	2,6-Dinitrotoluene	0.0189	U	0.0989	0.0189
55-63-0	Nitroglycerin	0.213	U	1.98	0.213
88-72-2	2-Nitrotoluene	0.0467	U	0.198	0.0467
99-08-1	3-Nitrotoluene	0.0633	U	0.198	0.0633
98-95-3	Nitrobenzene	0.0841	U	0.297	0.0841
99-99-0	4-Nitrotoluene	0.0361	U	0.198	0.0361
99-35-4	1,3,5-Trinitrobenzene	0.0136	U	0.0989	0.0136
99-65-0	1,3-Dinitrobenzene	0.0164	U	0.0989	0.0164
2691-41-0	HMX	0.0225	U	0.0989	0.0225
121-82-4	RDX	0.0425	U	0.198	0.0425
479-45-8	Tetryl	0.0434	U	0.198	0.0434
78-11-5	PETN	0.488	U	1.98	0.488
118-96-7	2,4,6-Trinitrotoluene	0.0304	U	0.0989	0.0304

CAS NO.	SURROGATE	%REC	Q	LIMITS
528-29-0	1,2-Dinitrobenzene	95		83-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260035.D		
Lims ID:	280-19386-A-3-S	Client ID:	NWO-178-0003
Inject. Date:	27-Aug-2011 00:35:17	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-19386-A-3-S		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	35
Lims Batch ID:	83223	Lims Sample ID:	35

Method:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\8330_X4.m		
Last Update:	29-Aug-2011 08:28:06	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

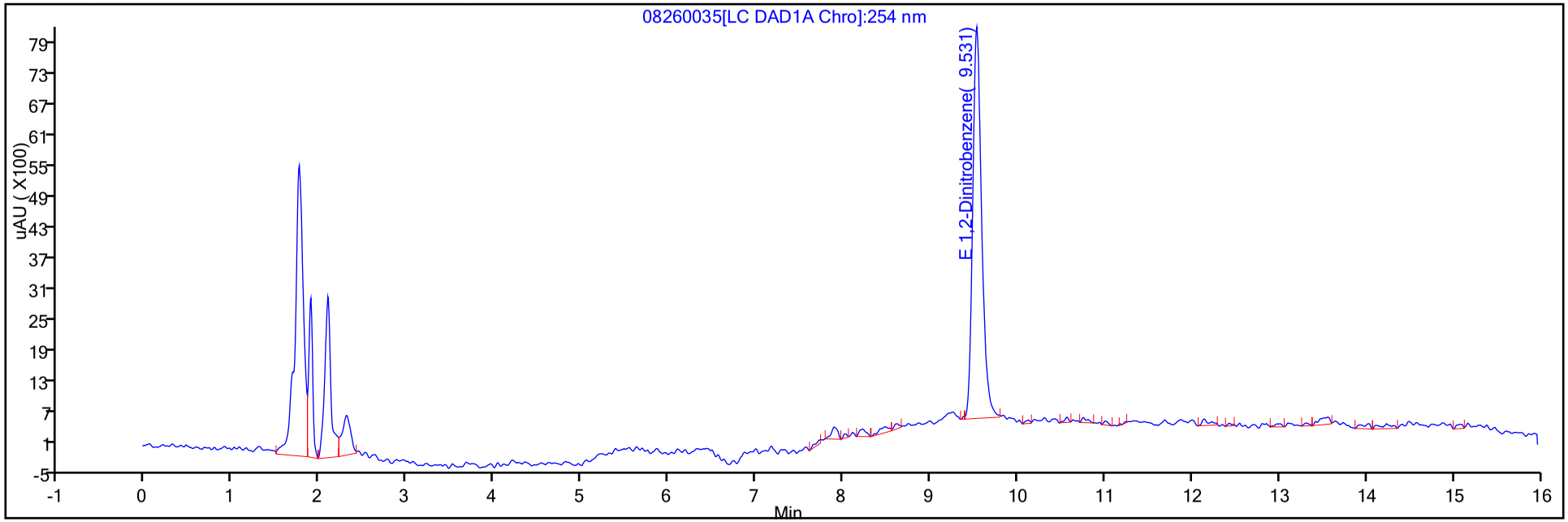
First Level Reviewer: kellisonm Date: 29-Aug-2011 13:06:37

Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
E 8 1,2-Dinitrobenzene	1	9.531	9.537	-0.006	54798	0.2375	

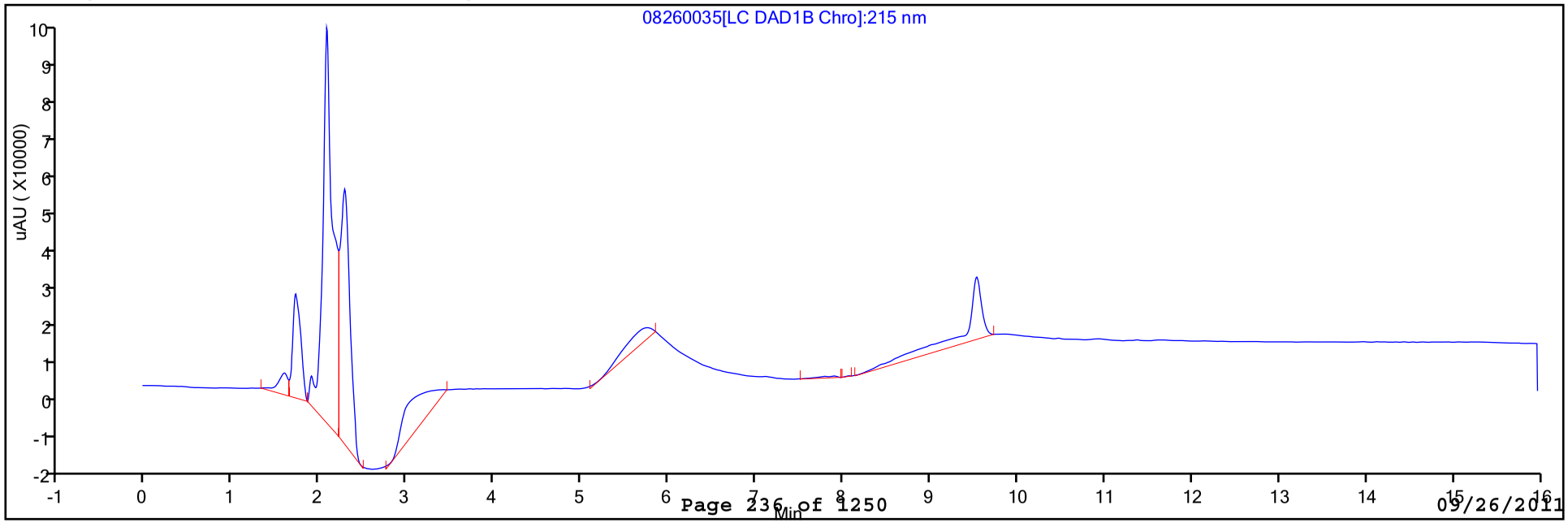
Report Date: 29-Aug-2011 13:06:38 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260035.D		
Injection Date:	27-Aug-2011 00:35:17	Limit Group:	GCSV - 8330B
Client ID:	NWO-178-0003	Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	83223	Lims Sample ID:	35
Operator ID:	mpk	Injection Vol:	100.00 ul

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



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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19386-1

SDG No.:

Client Sample ID: NWO-178-0004 | Lab Sample ID: 280-19386-4

Matrix: Solid | Lab File ID: 08260038.D

Analysis Method: 8330B | Date Collected: 08/20/2011 09:38

Extraction Method: 8330B | Date Extracted: 08/24/2011 20:28

Sample wt/vol: 10.47(g) | Date Analyzed: 08/27/2011 01:54

Con. Extract Vol.: 40000(uL) | Dilution Factor: 1

Injection Volume: 100(uL) | GC Column: UltraCarb5uODS ID: 4.6(mm)

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

Analysis Batch No.: 83223 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.0314	U	0.0955	0.0314
19406-51-0	4-Amino-2,6-dinitrotoluene	0.0286	U	0.0955	0.0286
121-14-2	2,4-Dinitrotoluene	0.0140	U	0.0955	0.0140
606-20-2	2,6-Dinitrotoluene	0.0182	U	0.0955	0.0182
55-63-0	Nitroglycerin	0.205	U	1.91	0.205
88-72-2	2-Nitrotoluene	0.0451	U	0.191	0.0451
99-08-1	3-Nitrotoluene	0.0611	U	0.191	0.0611
98-95-3	Nitrobenzene	0.0812	U	0.287	0.0812
99-99-0	4-Nitrotoluene	0.0349	U	0.191	0.0349
99-35-4	1,3,5-Trinitrobenzene	0.0132	U	0.0955	0.0132
99-65-0	1,3-Dinitrobenzene	0.0159	U	0.0955	0.0159
2691-41-0	HMX	0.0217	U	0.0955	0.0217
121-82-4	RDX	0.0411	U	0.191	0.0411
479-45-8	Tetryl	0.0419	U	0.191	0.0419
78-11-5	PETN	0.471	U	1.91	0.471
118-96-7	2,4,6-Trinitrotoluene	0.0293	U	0.0955	0.0293

CAS NO.	SURROGATE	%REC	Q	LIMITS
528-29-0	1,2-Dinitrobenzene	101		83-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260038.D		
Lims ID:	280-19386-A-4-G	Client ID:	NWO-178-0004
Inject. Date:	27-Aug-2011 01:54:14	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-19386-A-4-G		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	38
Lims Batch ID:	83223	Lims Sample ID:	38
Method:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\8330_X4.m		
Last Update:	29-Aug-2011 08:28:06	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

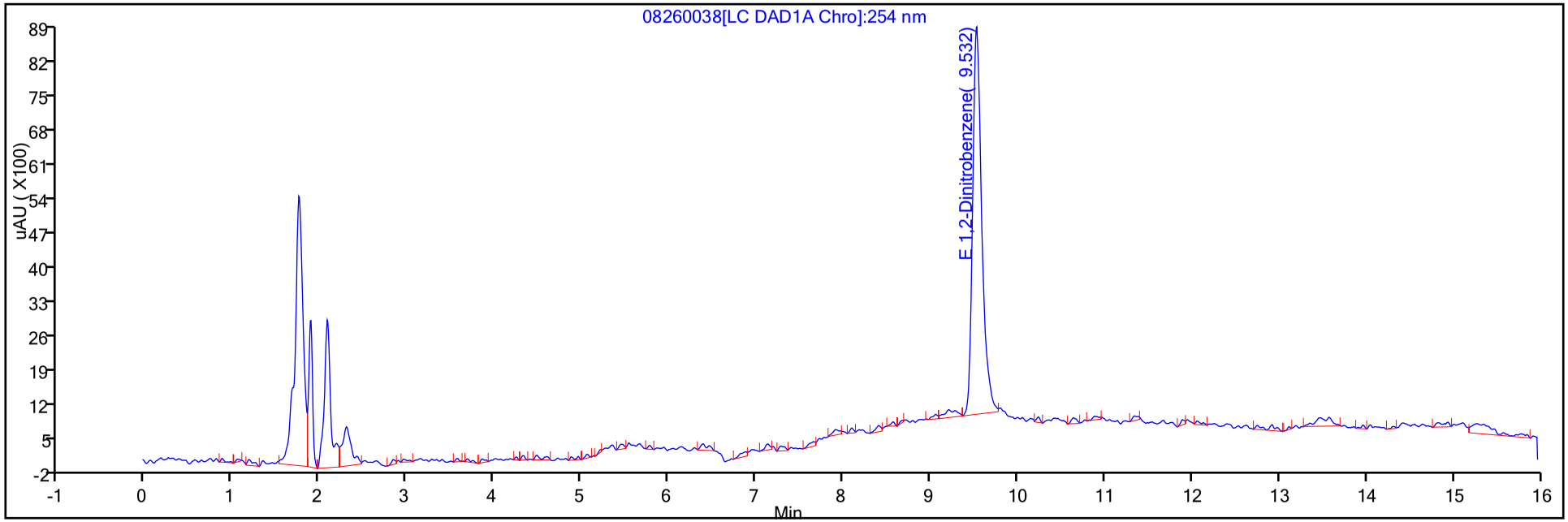
First Level Reviewer: kellisonm Date: 29-Aug-2011 13:06:53

Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
E 8 1,2-Dinitrobenzene	1	9.532	9.537	-0.005	58024	0.2515	

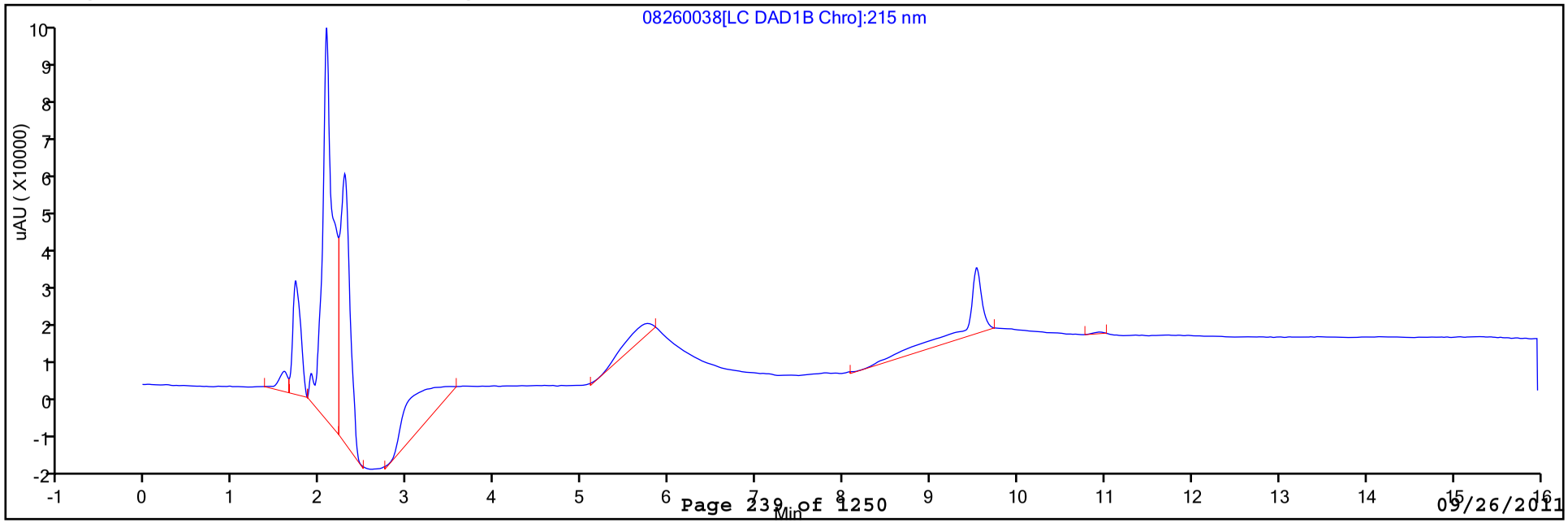
Report Date: 29-Aug-2011 13:06:53 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260038.D		
Injection Date:	27-Aug-2011 01:54:14	Limit Group:	GCSV - 8330B
Client ID:	NWO-178-0004	Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	83223	Lims Sample ID:	38
Operator ID:	mpk	Injection Vol:	100.00 ul

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



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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19386-1

SDG No.:

Client Sample ID: NWO-178-0005 | Lab Sample ID: 280-19386-5

Matrix: Solid | Lab File ID: 08260039.D

Analysis Method: 8330B | Date Collected: 08/19/2011 10:51

Extraction Method: 8330B | Date Extracted: 08/24/2011 20:28

Sample wt/vol: 10.61(g) | Date Analyzed: 08/27/2011 02:20

Con. Extract Vol.: 40000(uL) | Dilution Factor: 1

Injection Volume: 100(uL) | GC Column: UltraCarb5uODS ID: 4.6(mm)

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

Analysis Batch No.: 83223 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.0310	U	0.0943	0.0310
19406-51-0	4-Amino-2,6-dinitrotoluene	0.0282	U	0.0943	0.0282
121-14-2	2,4-Dinitrotoluene	0.0139	U	0.0943	0.0139
606-20-2	2,6-Dinitrotoluene	0.0180	U	0.0943	0.0180
55-63-0	Nitroglycerin	0.203	U	1.89	0.203
88-72-2	2-Nitrotoluene	0.0445	U	0.189	0.0445
99-08-1	3-Nitrotoluene	0.0603	U	0.189	0.0603
98-95-3	Nitrobenzene	0.0801	U	0.283	0.0801
99-99-0	4-Nitrotoluene	0.0344	U	0.189	0.0344
99-35-4	1,3,5-Trinitrobenzene	0.0130	U	0.0943	0.0130
99-65-0	1,3-Dinitrobenzene	0.0156	U	0.0943	0.0156
2691-41-0	HMX	0.0214	U	0.0943	0.0214
121-82-4	RDX	0.0405	U	0.189	0.0405
479-45-8	Tetryl	0.0414	U	0.189	0.0414
78-11-5	PETN	0.465	U	1.89	0.465
118-96-7	2,4,6-Trinitrotoluene	0.0289	U	0.0943	0.0289

CAS NO.	SURROGATE	%REC	Q	LIMITS
528-29-0	1,2-Dinitrobenzene	94		83-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260039.D		
Lims ID:	280-19386-A-5-G	Client ID:	NWO-178-0005
Inject. Date:	27-Aug-2011 02:20:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-19386-A-5-G		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	39
Lims Batch ID:	83223	Lims Sample ID:	39
Method:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\8330_X4.m		
Last Update:	29-Aug-2011 08:28:06	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

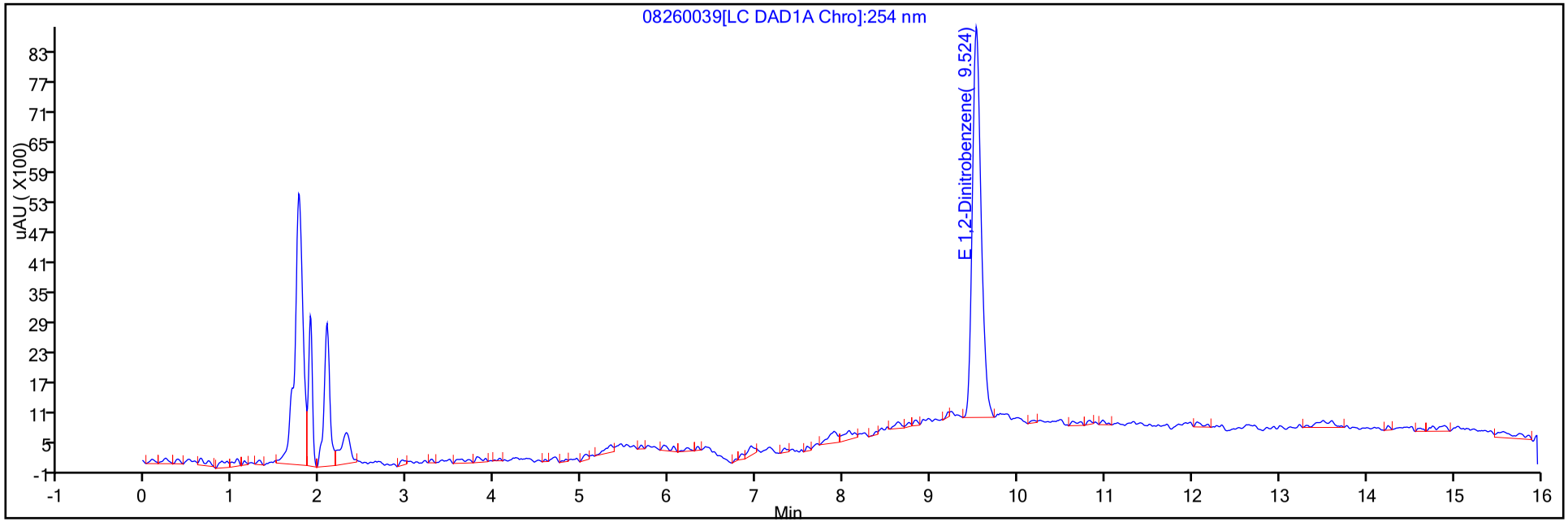
First Level Reviewer: kellisonm Date: 29-Aug-2011 13:06:56

Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
E 8 1,2-Dinitrobenzene	1	9.524	9.537	-0.013	54472	0.2361	

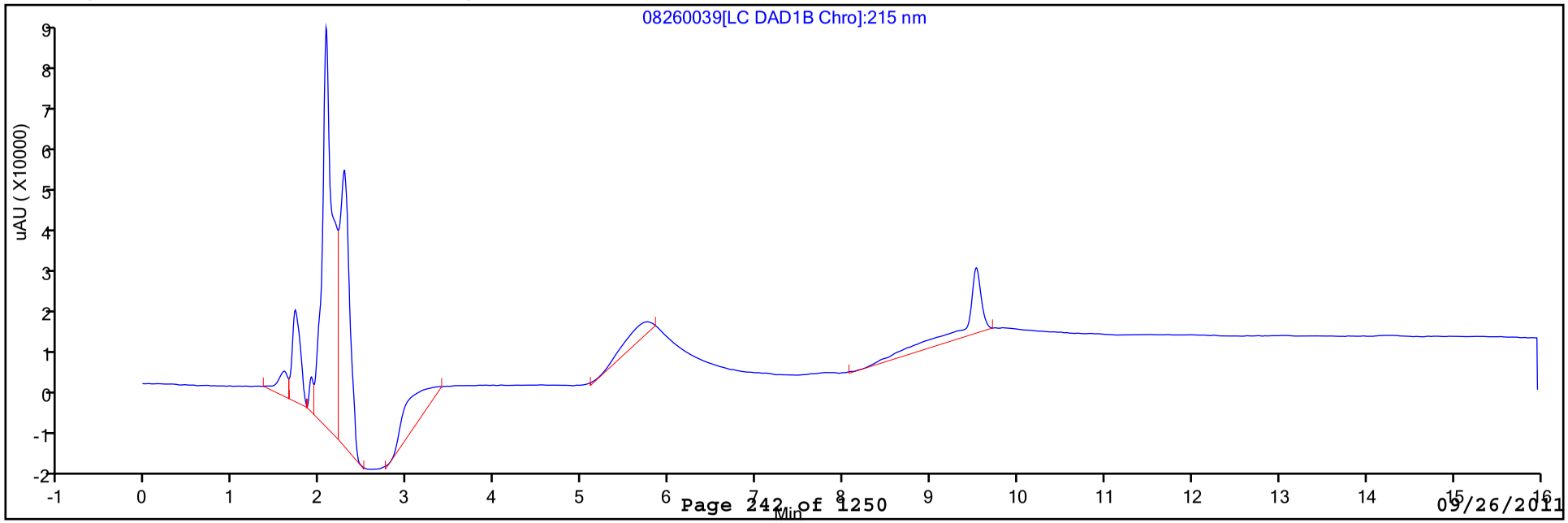
Report Date: 29-Aug-2011 13:06:56 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260039.D		
Injection Date:	27-Aug-2011 02:20:30	Limit Group:	GCSV - 8330B
Client ID:	NWO-178-0005	Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	83223	Lims Sample ID:	39
Operator ID:	mpk	Injection Vol:	100.00 ul

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



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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19386-1

SDG No.:

Client Sample ID: NWO-178-0006 | Lab Sample ID: 280-19386-6

Matrix: Solid | Lab File ID: 08260040.D

Analysis Method: 8330B | Date Collected: 08/18/2011 17:35

Extraction Method: 8330B | Date Extracted: 08/24/2011 20:28

Sample wt/vol: 10.34(g) | Date Analyzed: 08/27/2011 02:46

Con. Extract Vol.: 40000(uL) | Dilution Factor: 1

Injection Volume: 100(uL) | GC Column: UltraCarb5uODS ID: 4.6(mm)

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

Analysis Batch No.: 83223 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.0318	U	0.0967	0.0318
19406-51-0	4-Amino-2,6-dinitrotoluene	0.0289	U	0.0967	0.0289
121-14-2	2,4-Dinitrotoluene	0.0142	U	0.0967	0.0142
606-20-2	2,6-Dinitrotoluene	0.0185	U	0.0967	0.0185
55-63-0	Nitroglycerin	0.208	U	1.93	0.208
88-72-2	2-Nitrotoluene	0.0456	U	0.193	0.0456
99-08-1	3-Nitrotoluene	0.0619	U	0.193	0.0619
98-95-3	Nitrobenzene	0.0822	U	0.290	0.0822
99-99-0	4-Nitrotoluene	0.0353	U	0.193	0.0353
99-35-4	1,3,5-Trinitrobenzene	0.0133	U	0.0967	0.0133
99-65-0	1,3-Dinitrobenzene	0.0161	U	0.0967	0.0161
2691-41-0	HMX	0.0220	U	0.0967	0.0220
121-82-4	RDX	0.0416	U	0.193	0.0416
479-45-8	Tetryl	0.0425	U	0.193	0.0425
78-11-5	PETN	0.477	U	1.93	0.477
118-96-7	2,4,6-Trinitrotoluene	0.0297	U	0.0967	0.0297

CAS NO.	SURROGATE	%REC	Q	LIMITS
528-29-0	1,2-Dinitrobenzene	89		83-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260040.D		
Lims ID:	280-19386-A-6-G	Client ID:	NWO-178-0006
Inject. Date:	27-Aug-2011 02:46:48	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-19386-A-6-G		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	40
Lims Batch ID:	83223	Lims Sample ID:	40

Method:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\8330_X4.m		
Last Update:	29-Aug-2011 08:28:06	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

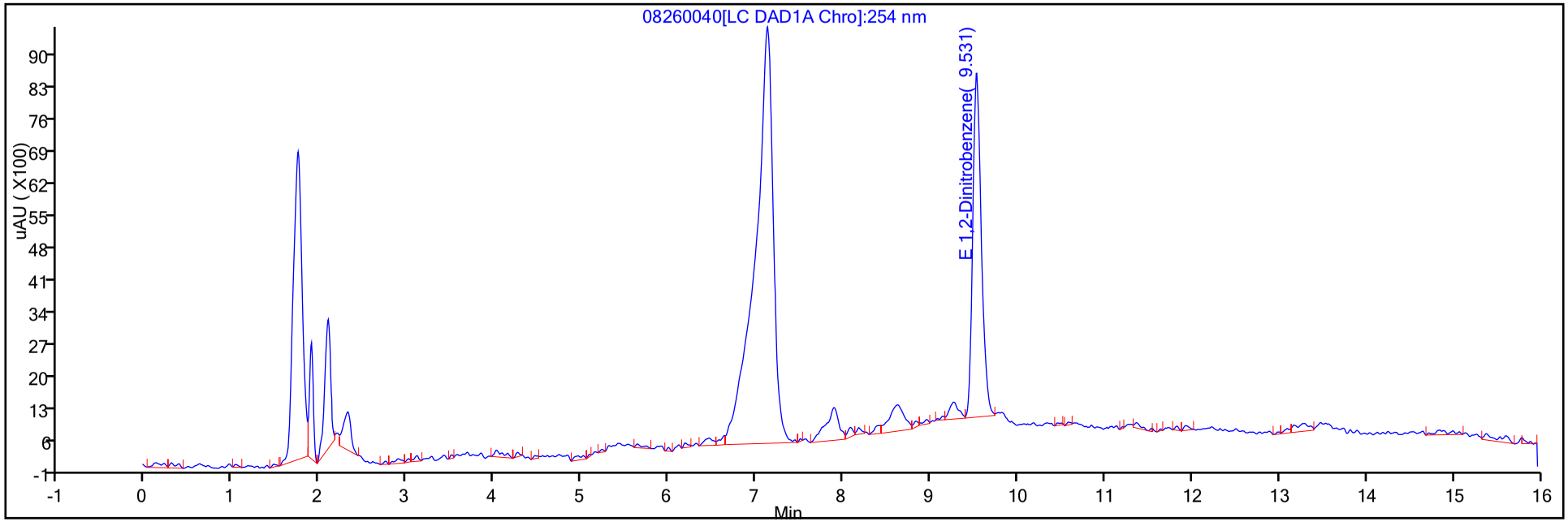
First Level Reviewer: kellisonm Date: 29-Aug-2011 13:06:58

Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
E 8 1,2-Dinitrobenzene	1	9.531	9.537	-0.006	51264	0.2222	

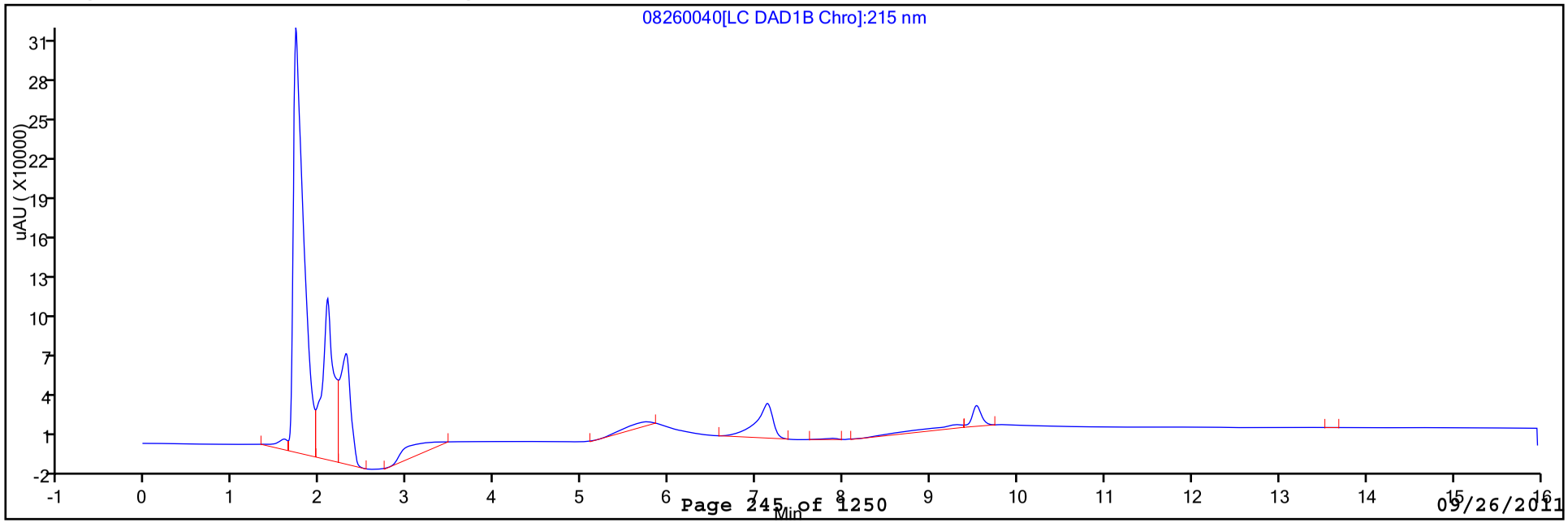
Report Date: 29-Aug-2011 13:06:58 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260040.D		
Injection Date:	27-Aug-2011 02:46:48	Limit Group:	GCSV - 8330B
Client ID:	NWO-178-0006	Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	83223	Lims Sample ID:	40
Operator ID:	mpk	Injection Vol:	100.00 ul

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



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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19386-1

SDG No.:

Client Sample ID: NWO-178-0009 | Lab Sample ID: 280-19386-7

Matrix: Solid | Lab File ID: 08260041.D

Analysis Method: 8330B | Date Collected: 08/18/2011 16:49

Extraction Method: 8330B | Date Extracted: 08/24/2011 20:28

Sample wt/vol: 10.46(g) | Date Analyzed: 08/27/2011 03:13

Con. Extract Vol.: 40000(uL) | Dilution Factor: 1

Injection Volume: 100(uL) | GC Column: UltraCarb5uODS ID: 4.6(mm)

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

Analysis Batch No.: 83223 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.0315	U	0.0956	0.0315
19406-51-0	4-Amino-2,6-dinitrotoluene	0.0286	U	0.0956	0.0286
121-14-2	2,4-Dinitrotoluene	0.0141	U	0.0956	0.0141
606-20-2	2,6-Dinitrotoluene	0.0183	U	0.0956	0.0183
55-63-0	Nitroglycerin	0.206	U	1.91	0.206
88-72-2	2-Nitrotoluene	0.0451	U	0.191	0.0451
99-08-1	3-Nitrotoluene	0.0612	U	0.191	0.0612
98-95-3	Nitrobenzene	0.0813	U	0.287	0.0813
99-99-0	4-Nitrotoluene	0.0349	U	0.191	0.0349
99-35-4	1,3,5-Trinitrobenzene	0.0132	U	0.0956	0.0132
99-65-0	1,3-Dinitrobenzene	0.0159	U	0.0956	0.0159
2691-41-0	HMX	0.0217	U	0.0956	0.0217
121-82-4	RDX	0.0411	U	0.191	0.0411
479-45-8	Tetryl	0.0420	U	0.191	0.0420
78-11-5	PETN	0.471	U	1.91	0.471
118-96-7	2,4,6-Trinitrotoluene	0.0293	U	0.0956	0.0293

CAS NO.	SURROGATE	%REC	Q	LIMITS
528-29-0	1,2-Dinitrobenzene	98		83-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260041.D		
Lims ID:	280-19386-A-7-G	Client ID:	NWO-178-0009
Inject. Date:	27-Aug-2011 03:13:10	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-19386-A-7-G		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	41
Lims Batch ID:	83223	Lims Sample ID:	41

Method:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\8330_X4.m		
Last Update:	29-Aug-2011 08:28:06	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

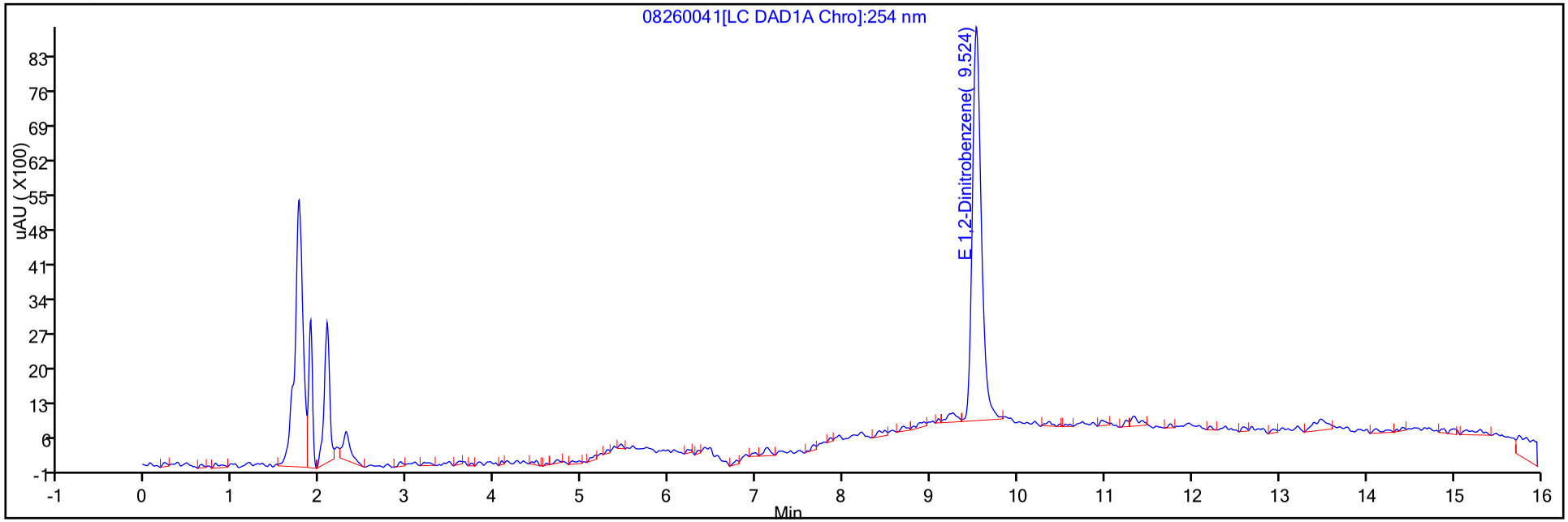
First Level Reviewer: kellisonm Date: 29-Aug-2011 13:07:00

Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
E 8 1,2-Dinitrobenzene	1	9.524	9.537	-0.013	56752	0.2460	

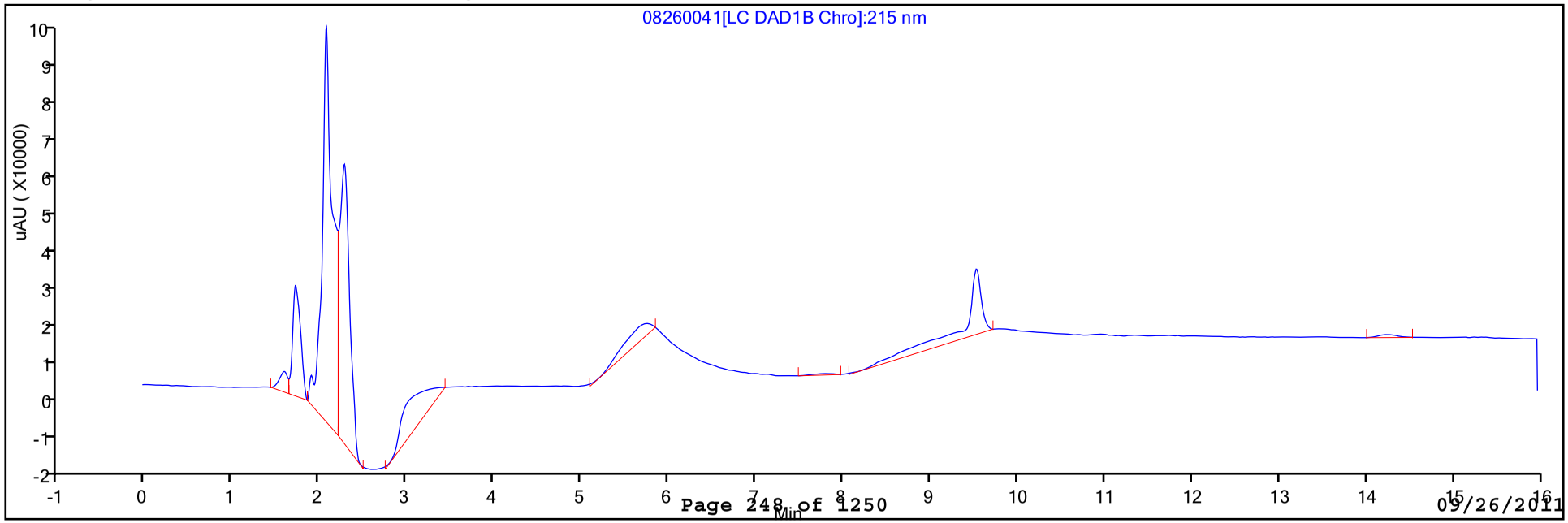
Report Date: 29-Aug-2011 13:07:01 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260041.D		
Injection Date:	27-Aug-2011 03:13:10	Limit Group:	GCSV - 8330B
Client ID:	NWO-178-0009	Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	83223	Lims Sample ID:	41
Operator ID:	mpk	Injection Vol:	100.00 ul

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



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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19386-1

SDG No.:

Client Sample ID: NWO-178-0010 | Lab Sample ID: 280-19386-8

Matrix: Solid | Lab File ID: 08260042.D

Analysis Method: 8330B | Date Collected: 08/19/2011 09:21

Extraction Method: 8330B | Date Extracted: 08/24/2011 20:28

Sample wt/vol: 10.02(g) | Date Analyzed: 08/27/2011 03:39

Con. Extract Vol.: 40000(uL) | Dilution Factor: 1

Injection Volume: 100(uL) | GC Column: UltraCarb5uODS ID: 4.6(mm)

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

Analysis Batch No.: 83223 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.0328	U	0.0998	0.0328
19406-51-0	4-Amino-2,6-dinitrotoluene	0.0298	U	0.0998	0.0298
121-14-2	2,4-Dinitrotoluene	0.0147	U	0.0998	0.0147
606-20-2	2,6-Dinitrotoluene	0.0191	U	0.0998	0.0191
55-63-0	Nitroglycerin	0.215	U	2.00	0.215
88-72-2	2-Nitrotoluene	0.0471	U	0.200	0.0471
99-08-1	3-Nitrotoluene	0.0639	U	0.200	0.0639
98-95-3	Nitrobenzene	0.0848	U	0.299	0.0848
99-99-0	4-Nitrotoluene	0.0364	U	0.200	0.0364
99-35-4	1,3,5-Trinitrobenzene	0.0138	U	0.0998	0.0138
99-65-0	1,3-Dinitrobenzene	0.0166	U	0.0998	0.0166
2691-41-0	HMX	0.0227	U	0.0998	0.0227
121-82-4	RDX	0.0429	U	0.200	0.0429
479-45-8	Tetryl	0.0438	U	0.200	0.0438
78-11-5	PETN	0.492	U	2.00	0.492
118-96-7	2,4,6-Trinitrotoluene	0.0306	U	0.0998	0.0306

CAS NO.	SURROGATE	%REC	Q	LIMITS
528-29-0	1,2-Dinitrobenzene	98		83-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260042.D		
Lims ID:	280-19386-A-8-G	Client ID:	NWO-178-0010
Inject. Date:	27-Aug-2011 03:39:27	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-19386-A-8-G		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	42
Lims Batch ID:	83223	Lims Sample ID:	42

Method:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\8330_X4.m		
Last Update:	29-Aug-2011 08:28:06	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

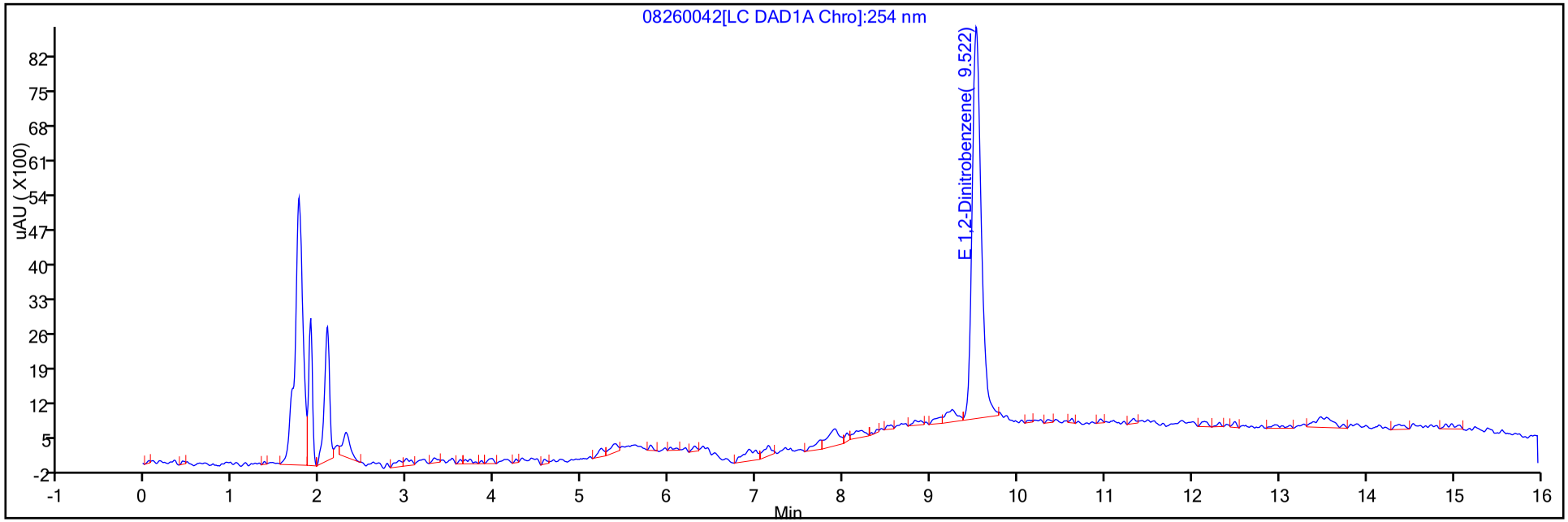
First Level Reviewer: kellisonm Date: 29-Aug-2011 13:07:02

Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
E 8 1,2-Dinitrobenzene	1	9.522	9.537	-0.015	56421	0.2446	

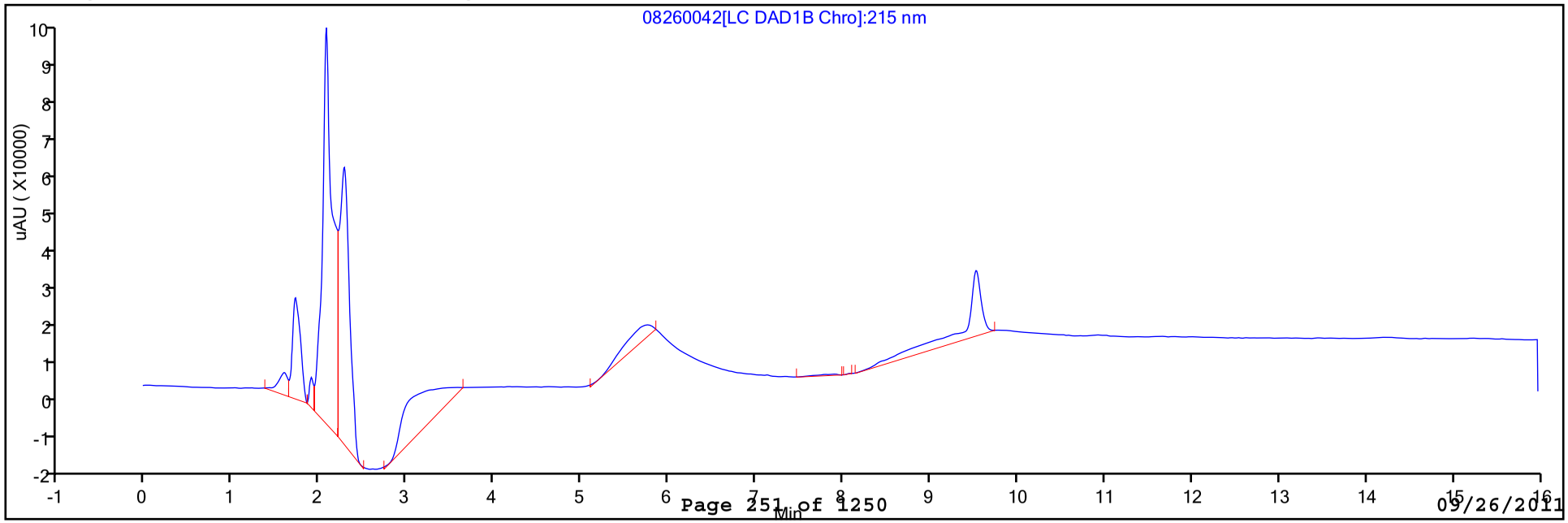
Report Date: 29-Aug-2011 13:07:03 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260042.D		
Injection Date:	27-Aug-2011 03:39:27	Limit Group:	GCSV - 8330B
Client ID:	NWO-178-0010	Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	83223	Lims Sample ID:	42
Operator ID:	mpk	Injection Vol:	100.00 ul

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



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



FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-19386-1 Analy Batch No.: 78309

SDG No.:

Instrument ID: CHHPLCX4_C18 GC Column: UltraCarb5u ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/26/2011 19:29 Calibration End Date: 07/26/2011 22:33 Calibration ID: 6557

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-78309/14	07260014.D
Level 2	IC 280-78309/13	07260013.D
Level 3	IC 280-78309/12	07260012.D
Level 4	IC 280-78309/11	07260011.D
Level 5	IC 280-78309/10	07260010.D
Level 6	IC 280-78309/9	07260009.D
Level 7	IC 280-78309/8	07260008.D
Level 8	IC 280-78309/7	07260007.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8			RT WINDOW	AVG RT
2,6-diamino-4-nitrotoluene	7.112	7.108	7.107	7.108	7.105	7.105	7.101	7.100			7.008 - 7.208	7.106
HMX	7.312	7.315	7.307	7.308	7.312	7.312	7.308	7.313			7.208 - 7.408	7.311
2,4-diamino-6-nitrotoluene	7.432	7.428	7.427	7.421	7.425	7.419	7.421	7.420			7.321 - 7.521	7.424
MNX	8.132	8.128	8.127	8.128	8.132	8.125	8.128	8.127			8.028 - 8.228	8.128
RDX	8.512	8.515	8.514	8.514	8.512	8.512	8.515	8.513			8.414 - 8.614	8.513
Picric acid	8.766	8.755	8.747	8.741	8.732	8.712	8.708	8.667			8.641 - 8.841	8.729
1,3,5-Trinitrobenzene	9.466	9.461	9.454	9.454	9.452	9.452	9.448	9.453			9.354 - 9.554	9.455
1,3-Dinitrobenzene	10.246	10.248	10.241	10.241	10.239	10.239	10.241	10.233			10.141 - 10.341	10.241
Tetryl	10.526	10.541	10.534	10.534	10.532	10.539	10.534	10.533			10.434 - 10.634	10.534
Nitrobenzene	10.732	10.741	10.741	10.741	10.739	10.739	10.734	10.740			10.641 - 10.841	10.738
Nitroglycerin	10.919	10.921	10.921	10.921	10.919	10.919	10.914	10.913			10.821 - 11.021	10.918
2,4,6-Trinitrotoluene	11.412	11.428	11.421	11.421	11.419	11.419	11.421	11.420			11.321 - 11.521	11.420
4-Amino-2,6-dinitrotoluene	11.592	11.608	11.607	11.607	11.605	11.605	11.608	11.606			11.507 - 11.707	11.605
2-Amino-4,6-dinitrotoluene	11.946	11.961	11.954	11.954	11.952	11.952	11.954	11.953			11.854 - 12.054	11.953
2,6-Dinitrotoluene	12.186	12.208	12.194	12.201	12.199	12.205	12.208	12.206			12.101 - 12.301	12.201
2,4-Dinitrotoluene	12.459	12.461	12.454	12.454	12.452	12.459	12.454	12.453			12.354 - 12.554	12.456
2-Nitrotoluene	13.319	13.348	13.354	13.354	13.352	13.359	13.354	13.353			13.254 - 13.454	13.349
4-Nitrotoluene	13.772	13.828	13.814	13.827	13.819	13.825	13.828	13.826			13.727 - 13.927	13.817
PETN	14.172	14.188	14.181	14.187	14.185	14.192	14.194	14.193			14.087 - 14.287	14.187
3-Nitrotoluene	14.326	14.381	14.367	14.374	14.372	14.379	14.381	14.380			14.274 - 14.474	14.370
1,2-Dinitrobenzene	9.572	9.581	9.581	9.581	9.579	9.579	9.574	9.573			9.481 - 9.681	9.578

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Denver Job No.: 280-19386-1 Analy Batch No.: 78309

SDG No.:

Instrument ID: CHHPLCX4_C18 GC Column: UltraCarb5u ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/26/2011 19:29 Calibration End Date: 07/26/2011 22:33 Calibration ID: 6557

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-78309/14	07260014.D
Level 2	IC 280-78309/13	07260013.D
Level 3	IC 280-78309/12	07260012.D
Level 4	IC 280-78309/11	07260011.D
Level 5	IC 280-78309/10	07260010.D
Level 6	IC 280-78309/9	07260009.D
Level 7	IC 280-78309/8	07260008.D
Level 8	IC 280-78309/7	07260007.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
2,6-diamino-4-nitrotoluene	343900 303713	315320 305714	309440 305088	308936 306413	Ave		312315.498				4.2		20.0			
HMX	166100 131868	143560 129213	136630 133340	130248 177855	Ave		143601.645				13.0		20.0			
2,4-diamino-6-nitrotoluene	226400 203140	224220 205321	208800 202554	199956 160234	Ave		203828.179				9.9		20.0			
MNX	305500 200570	228340 203000	209340 200961	206336 200374	Lin2	1056.06574	200910.059							1.0000		0.9900
RDX	187400 159390	170460 160580	161200 158519	160584 155684	Ave		164227.175				6.3		20.0			
Picric acid	138500 130685	137860 133729	130420 131597	129868 132808	Ave		133183.321				2.5		20.0			
1,3,5-Trinitrobenzene	361300 330868	362920 339644	338150 343608	337940 344247	Ave		344834.573				3.3		20.0			
1,3-Dinitrobenzene	474600 467273	481160 476879	472810 474056	476488 474421	Ave		474710.784				0.8		20.0			
Tetryl	245800 236560	246720 244823	236010 243346	242212 240692	Ave		242020.307				1.7		20.0			
Nitrobenzene	307700 350620	365400 356439	336360 356435	356508 354288	Ave		347968.646				5.2		20.0			
Nitroglycerin	105480 109038	106298 112979	103038 112953	111206 114014	Ave		109375.907				3.7		20.0			
2,4,6-Trinitrotoluene	309300 309585	330820 315164	316010 323157	317900 314373	Ave		317038.636				2.2		20.0			
4-Amino-2,6-dinitrotoluene	242200 235220	241100 241966	233530 239399	238220 235598	Ave		238404.089				1.4		20.0			
2-Amino-4,6-dinitrotoluene	339700 306193	318180 312591	307380 315127	312644 305628	Ave		314680.316				3.5		20.0			

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

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Denver Job No.: 280-19386-1 Analy Batch No.: 78309

SDG No.:

Instrument ID: CHHPLCX4_C18 GC Column: UltraCarb5u ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/26/2011 19:29 Calibration End Date: 07/26/2011 22:33 Calibration ID: 6557

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
2,6-Dinitrotoluene	278900 216613	222560 221190	223560 223322	219900 223215	Lin2	588.724088	218404.152							1.0000		0.9900
2,4-Dinitrotoluene	515400 444963	464480 457997	457100 465323	454616 450280	Ave		463769.830				4.7		20.0			
2-Nitrotoluene	265400 195760	215100 200947	200200 209287	199408 198873	Lin2	661.978191	199092.808							0.9990		0.9900
4-Nitrotoluene	254400 171728	202500 179846	177890 172130	178132 177271	Lin2	808.083922	175163.354							0.9990		0.9900
PETN	176900 151911	153242 156149	154448 153835	154540 155375	Ave		157050.063				5.2		20.0			
3-Nitrotoluene	303900 231310	256700 239414	227810 231216	235784 236494	Lin2	717.391420	232834.345							0.9990		0.9900
1,2-Dinitrobenzene	246200 224773	238880 230391	231280 221635	228528 223983	Ave		230708.716				3.6		20.0			

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

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-19386-1 Analy Batch No.: 78309

SDG No.:

Instrument ID: CHHPLCX4_C18 GC Column: UltraCarb5u ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/26/2011 19:29 Calibration End Date: 07/26/2011 22:33 Calibration ID: 6557

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-78309/14	07260014.D
Level 2	IC 280-78309/13	07260013.D
Level 3	IC 280-78309/12	07260012.D
Level 4	IC 280-78309/11	07260011.D
Level 5	IC 280-78309/10	07260010.D
Level 6	IC 280-78309/9	07260009.D
Level 7	IC 280-78309/8	07260008.D
Level 8	IC 280-78309/7	07260007.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,6-diamino-4-nitrotoluene	Ave	3439 214000	15766 305088	30944 766033	77234	121485	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
HMX	Ave	1661 90449	7178 133340	13663 444637	32562	52747	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
2,4-diamino-6-nitrotoluene	Ave	2264 143725	11211 202554	20880 400585	49989	81256	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
MNX	Lin2	3055 142100	11417 200961	20934 500934	51584	80228	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
RDX	Ave	1874 112406	8523 158519	16120 389211	40146	63756	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
Picric acid	Ave	1385 93610	6893 131597	13042 332020	32467	52274	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
1,3,5-Trinitrobenzene	Ave	3613 237751	18146 343608	33815 860617	84485	132347	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
1,3-Dinitrobenzene	Ave	4746 333815	24058 474056	47281 1186053	119122	186909	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
Tetryl	Ave	2458 171376	12336 243346	23601 601729	60553	94624	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
Nitrobenzene	Ave	3077 249507	18270 356435	33636 885719	89127	140248	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
Nitroglycerin	Ave	10548 790855	53149 1129530	103038 2850358	278016	436153	0.100 7.00	0.500 10.0	1.00 25.0	2.50	4.00
2,4,6-Trinitrotoluene	Ave	3093 220615	16541 323157	31601 785932	79475	123834	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
4-Amino-2,6-dinitrotoluene	Ave	2422 169376	12055 239399	23353 588995	59555	94088	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
2-Amino-4,6-dinitrotoluene	Ave	3397 218814	15909 315127	30738 764069	78161	122477	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
2,6-Dinitrotoluene	Lin2	2789 154833	11128 223322	22356 558037	54975	86645	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-19386-1 Analy Batch No.: 78309

SDG No.:

Instrument ID: CHHPLCX4_C18 GC Column: UltraCarb5u ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/26/2011 19:29 Calibration End Date: 07/26/2011 22:33 Calibration ID: 6557

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,4-Dinitrotoluene	Ave	5154 320598	23224 465323	45710 1125700	113654	177985	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
2-Nitrotoluene	Lin2	2654 140663	10755 209287	20020 497182	49852	78304	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
4-Nitrotoluene	Lin2	2544 125892	10125 172130	17789 443177	44533	68691	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
PETN	Ave	17690 1093044	76621 1538350	154448 3884384	386350	607644	0.100 7.00	0.500 10.0	1.00 25.0	2.50	4.00
3-Nitrotoluene	Lin2	3039 167590	12835 231216	22781 591234	58946	92524	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
1,2-Dinitrobenzene	Ave	2462 161274	11944 221635	23128 559957	57132	89909	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400

Curve Type Legend:

Ave = Average
Lin2 = Linear 1/conc^2

TestAmerica Laboratories
Target Compound Quantitation Report

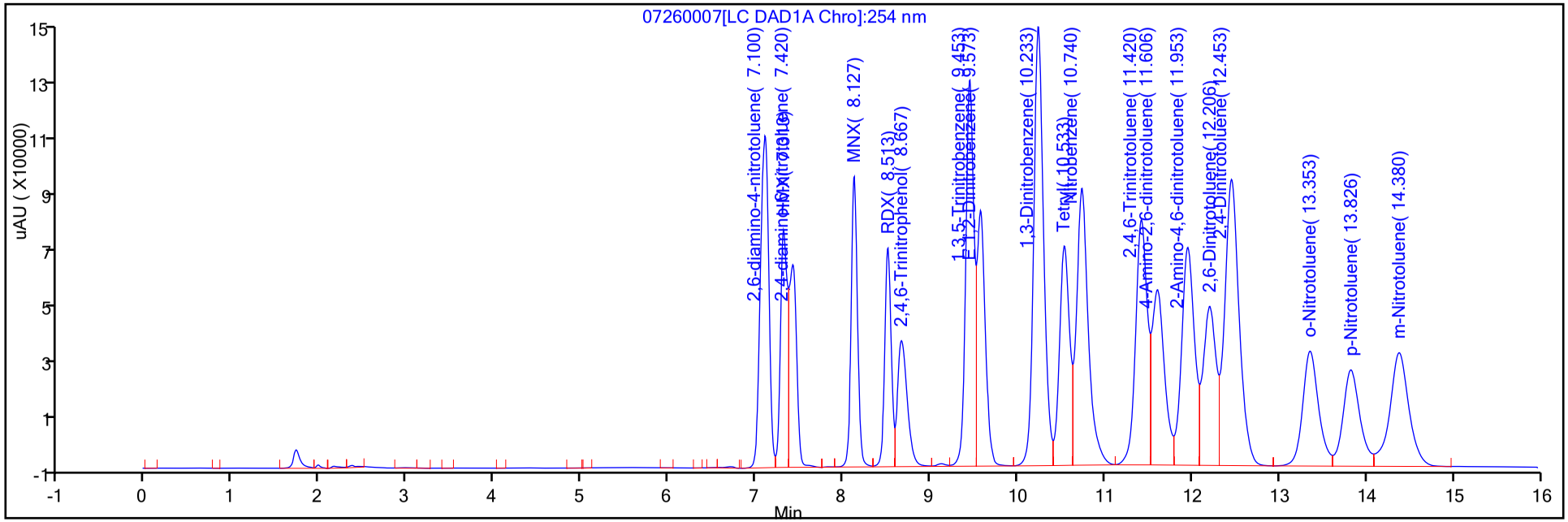
Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260007.D		
Lims ID:	IC 8330 L8	Client ID:	
Inject. Date:	26-Jul-2011 19:29:20	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	IC 8330 L8		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	7
Lims Batch ID:	78309	Lims Sample ID:	7
Sublist:	chrom-8330_X4*sub1		

Method:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\8330_X4.m		
Last Update:	27-Jul-2011 10:51:41	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

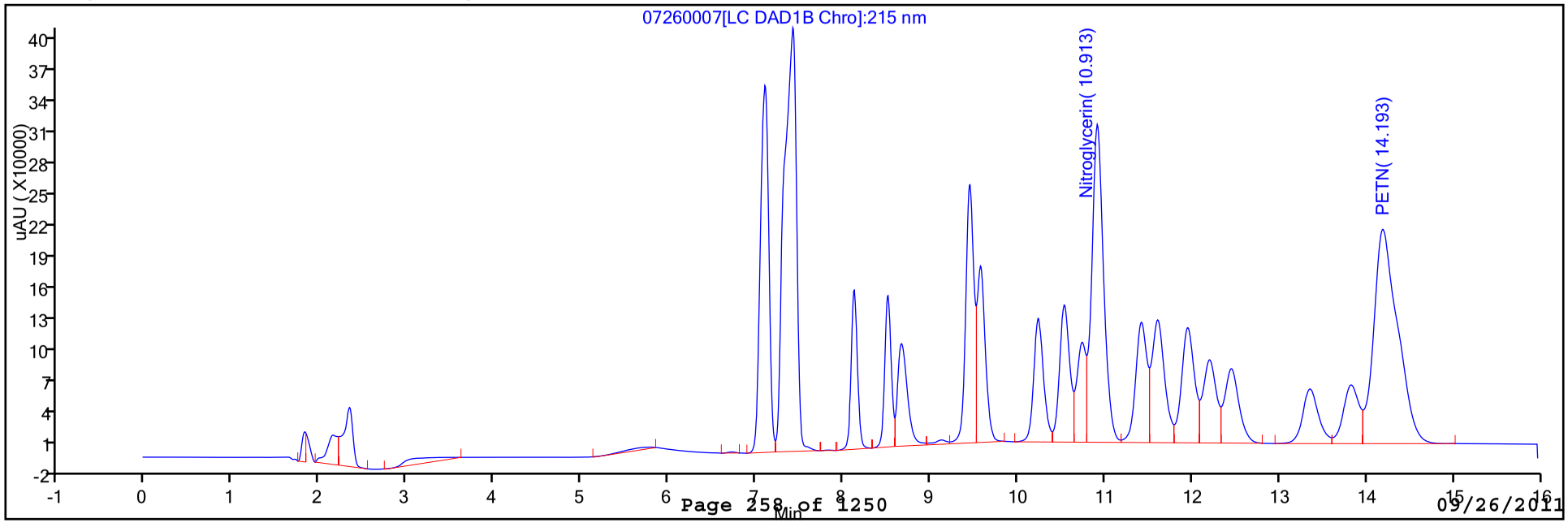
First Level Reviewer: kellisonm Date: 27-Jul-2011 10:51:41

	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	1 2,6-diamino-4-nitrotoluene	1	7.100	7.108	-0.008	766033	2.45	
	2 HMX	1	7.313	7.308	0.005	444637	3.10	
	3 2,4-diamino-6-nitrotoluene	1	7.420	7.421	-0.001	400585	1.97	
	4 MNX	1	8.127	8.128	-0.001	500934	2.49	
	5 RDX	1	8.513	8.514	-0.001	389211	2.37	
	6 2,4,6-Trinitrophenol	1	8.667	8.741	-0.074	332020	2.49	
	7 1,3,5-Trinitrobenzene	1	9.453	9.454	-0.001	860617	2.50	
E	8 1,2-Dinitrobenzene	1	9.573	9.581	-0.008	559957	2.43	
	9 1,3-Dinitrobenzene	1	10.233	10.241	-0.008	1186053	2.50	
	10 Tetryl	1	10.533	10.534	-0.001	601729	2.49	
	12 Nitrobenzene	1	10.740	10.741	-0.001	885719	2.55	
	13 Nitroglycerin	2	10.913	10.921	-0.008	2850358	26.1	
	14 2,4,6-Trinitrotoluene	1	11.420	11.421	-0.001	785932	2.48	
	15 4-Amino-2,6-dinitrotoluene	1	11.606	11.607	-0.001	588995	2.47	
	16 2-Amino-4,6-dinitrotoluene	1	11.953	11.954	-0.001	764069	2.43	
	17 2,6-Dinitrotoluene	1	12.206	12.201	0.005	558037	2.55	
	18 2,4-Dinitrotoluene	1	12.453	12.454	-0.001	1125700	2.43	
	19 o-Nitrotoluene	1	13.353	13.354	-0.001	497182	2.49	
	20 p-Nitrotoluene	1	13.826	13.827	-0.001	443177	2.53	
	21 PETN	2	14.193	14.187	0.006	3884384	24.7	
	22 m-Nitrotoluene	1	14.380	14.374	0.006	591234	2.54	

Report Date: 27-Jul-2011 10:51:42 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Denchrom\chromdata\X4_C18\20110726-2256.b\07260007.D
Injection Date: 26-Jul-2011 19:29:20 Limit Group: GCSV - 8330B
Client ID: Instrument ID: CHHPLCX4_C18
Lims Batch ID: 78309 Lims Sample ID: 7
Operator ID: mpk Injection Vol: 100.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



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



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260008.D		
Lims ID:	IC 8330 L7	Client ID:	
Inject. Date:	26-Jul-2011 19:55:39	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	IC 8330 L7		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	8
Lims Batch ID:	78309	Lims Sample ID:	8
Sublist:	chrom-8330_X4*sub1		
Method:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\8330_X4.m		
Last Update:	27-Jul-2011 10:50:48	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

First Level Reviewer: kellisonm Date: 27-Jul-2011 10:50:48

	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	1 2,6-diamino-4-nitrotoluene	1	7.101	7.108	-0.007	305088	0.9769	
	2 HMX	1	7.308	7.308	0.0	133340	0.9285	
	3 2,4-diamino-6-nitrotoluene	1	7.421	7.421	0.0	202554	0.99	
	4 MNX	1	8.128	8.132	-0.004	200961	0.99	
	5 RDX	1	8.515	8.514	0.001	158519	0.9652	
	6 2,4,6-Trinitrophenol	1	8.708	8.741	-0.033	131597	0.9881	
	7 1,3,5-Trinitrobenzene	1	9.448	9.454	-0.006	343608	1.00	
E	8 1,2-Dinitrobenzene	1	9.574	9.581	-0.007	221635	0.9607	
	9 1,3-Dinitrobenzene	1	10.241	10.241	0.0	474056	1.00	
	10 Tetryl	1	10.534	10.534	0.0	243346	1.01	
	12 Nitrobenzene	1	10.734	10.741	-0.007	356435	1.02	
	13 Nitroglycerin	2	10.914	10.921	-0.007	1129530	10.3	
	14 2,4,6-Trinitrotoluene	1	11.421	11.421	0.0	323157	1.02	
	15 4-Amino-2,6-dinitrotoluene	1	11.608	11.607	0.001	239399	1.00	
	16 2-Amino-4,6-dinitrotoluene	1	11.954	11.954	0.0	315127	1.00	
	17 2,6-Dinitrotoluene	1	12.208	12.201	0.007	223322	1.02	
	18 2,4-Dinitrotoluene	1	12.454	12.454	0.0	465323	1.00	
	19 o-Nitrotoluene	1	13.354	13.354	0.0	209287	1.05	
	20 p-Nitrotoluene	1	13.828	13.827	0.001	172130	0.9781	
	21 PETN	2	14.194	14.172	0.022	1538350	9.80	
	22 m-Nitrotoluene	1	14.381	14.374	0.007	231216	0.9900	

Report Date: 27-Jul-2011 10:50:48 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Denchrom\chromdata\X4_C18\20110726-2256.b\07260008.D

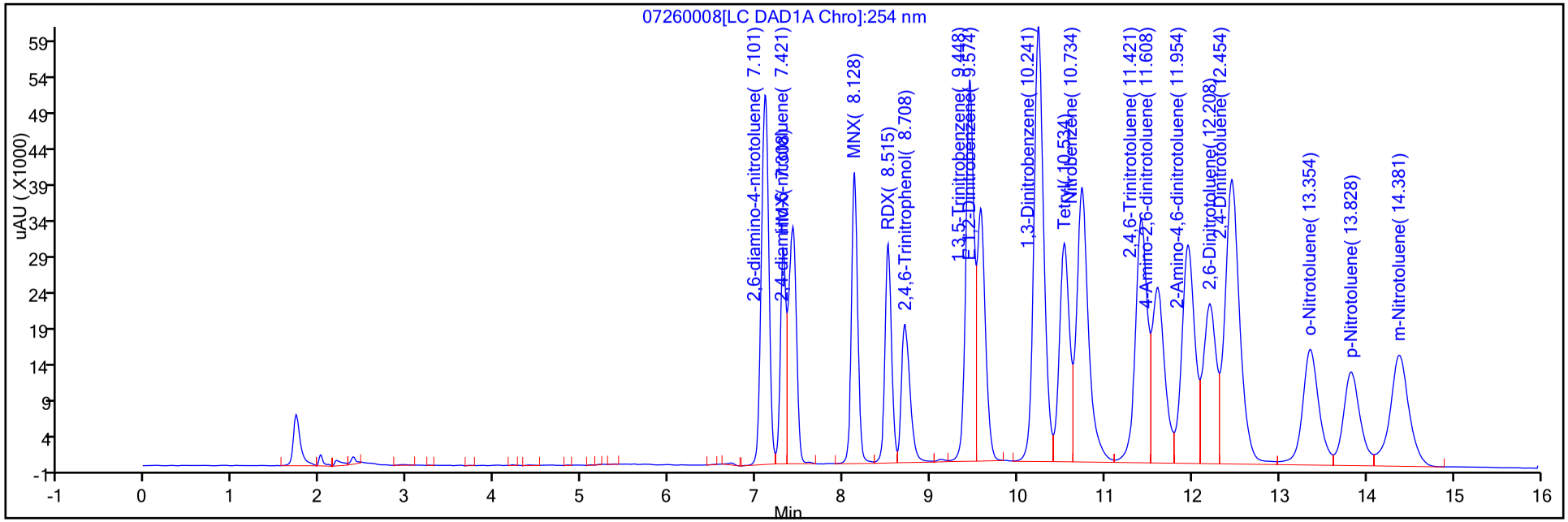
Injection Date: 26-Jul-2011 19:55:39 Limit Group: GCSV - 8330B

Client ID: Instrument ID: CHHPLCX4_C18

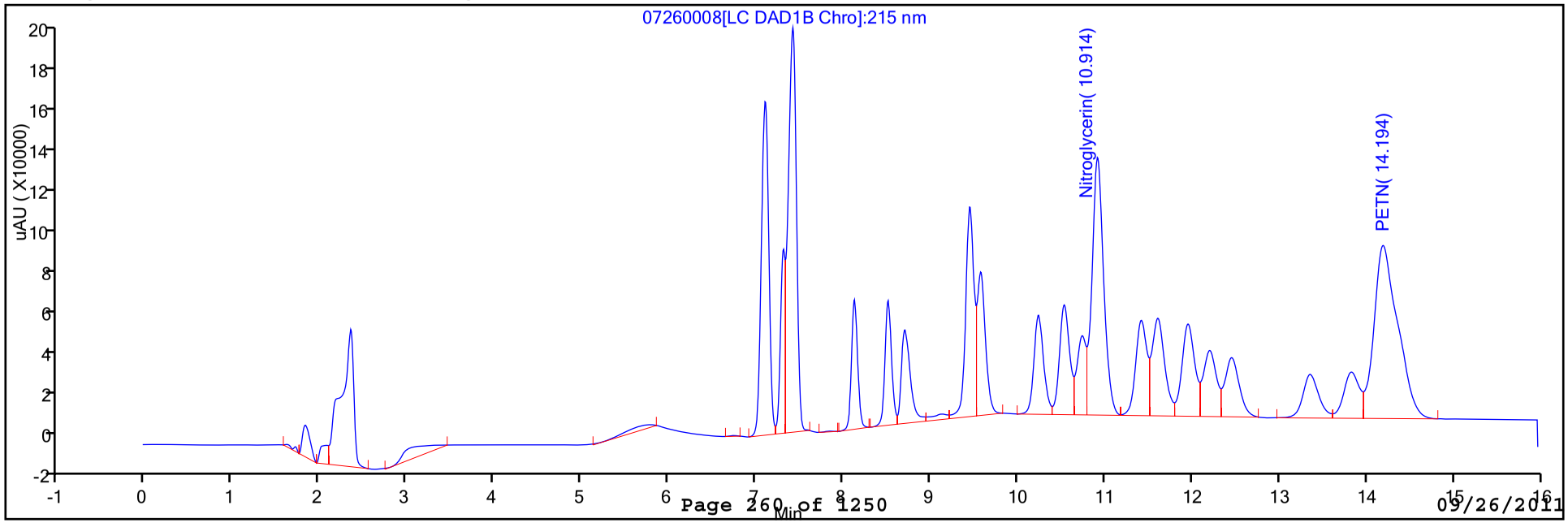
Lims Batch ID: 78309 Lims Sample ID: 8

Operator ID: mpk Injection Vol: 100.00 ul

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



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



Report Date: 27-Jul-2011 10:50:50 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260009.D		
Lims ID:	IC 8330 L6	Client ID:	
Inject. Date:	26-Jul-2011 20:22:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	IC 8330 L6		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	9
Lims Batch ID:	78309	Lims Sample ID:	9
Sublist:	chrom-8330_X4*sub1		

Method:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\8330_X4.m		
Last Update:	27-Jul-2011 10:50:50	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

First Level Reviewer: kellisonm Date: 27-Jul-2011 10:50:50

	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	1 2,6-diamino-4-nitrotoluene	1	7.105	7.108	-0.003	214000	0.6852	
	2 HMX	1	7.312	7.308	0.004	90449	0.6299	
	3 2,4-diamino-6-nitrotoluene	1	7.419	7.421	-0.002	143725	0.7051	
	4 MNX	1	8.125	8.132	-0.007	142100	0.7020	
	5 RDX	1	8.512	8.514	-0.002	112406	0.6845	
	6 2,4,6-Trinitrophenol	1	8.712	8.741	-0.029	93610	0.7029	
	7 1,3,5-Trinitrobenzene	1	9.452	9.454	-0.002	237751	0.6895	
E	8 1,2-Dinitrobenzene	1	9.579	9.581	-0.002	161274	0.6990	
	9 1,3-Dinitrobenzene	1	10.239	10.241	-0.002	333815	0.7032	
	10 Tetryl	1	10.539	10.534	0.005	171376	0.7081	
	12 Nitrobenzene	1	10.739	10.741	-0.002	249507	0.7170	
	13 Nitroglycerin	2	10.919	10.921	-0.002	790855	7.23	
	14 2,4,6-Trinitrotoluene	1	11.419	11.421	-0.002	220615	0.6959	
	15 4-Amino-2,6-dinitrotoluene	1	11.605	11.607	-0.002	169376	0.7105	
	16 2-Amino-4,6-dinitrotoluene	1	11.952	11.954	-0.002	218814	0.6954	
	17 2,6-Dinitrotoluene	1	12.205	12.201	0.004	154833	0.7062	
	18 2,4-Dinitrotoluene	1	12.459	12.454	0.005	320598	0.6913	
	19 o-Nitrotoluene	1	13.359	13.354	0.005	140663	0.7032	
	20 p-Nitrotoluene	1	13.825	13.827	-0.002	125892	0.7141	
	21 PETN	2	14.192	14.172	0.020	1093044	6.96	
	22 m-Nitrotoluene	1	14.379	14.374	0.005	167590	0.7167	

Report Date: 27-Jul-2011 10:50:50 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Denchrom\chromdata\X4_C18\20110726-2256.b\07260009.D

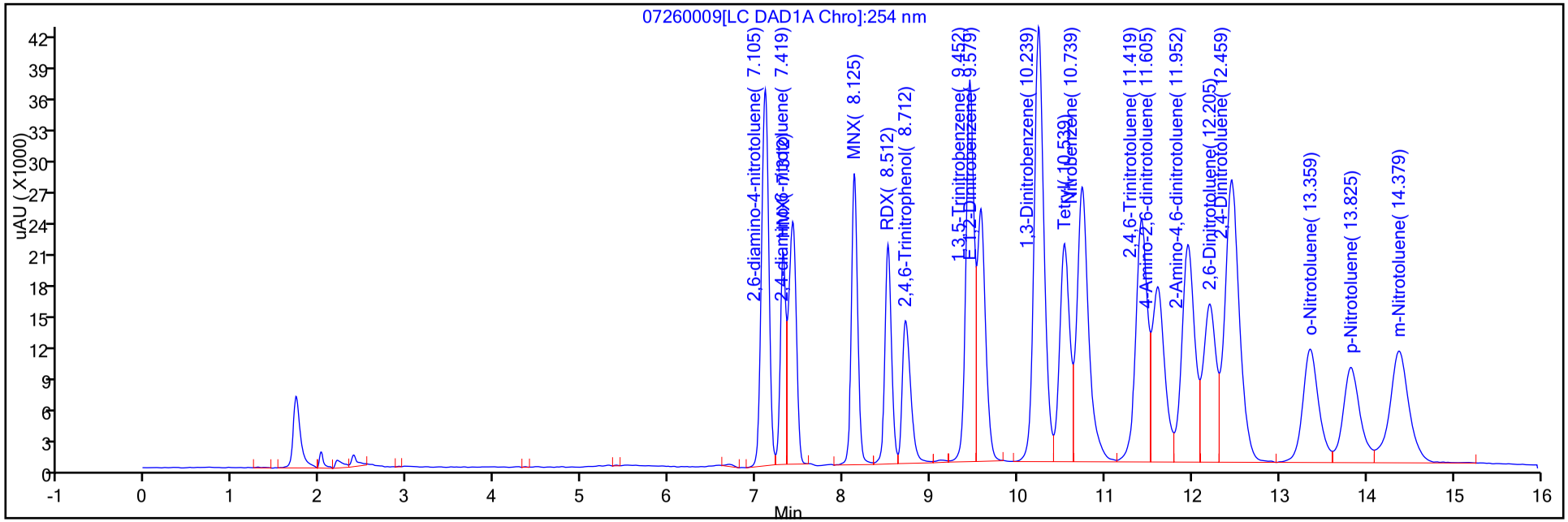
Injection Date: 26-Jul-2011 20:22:00 Limit Group: GCSV - 8330B

Client ID: Instrument ID: CHHPLCX4_C18

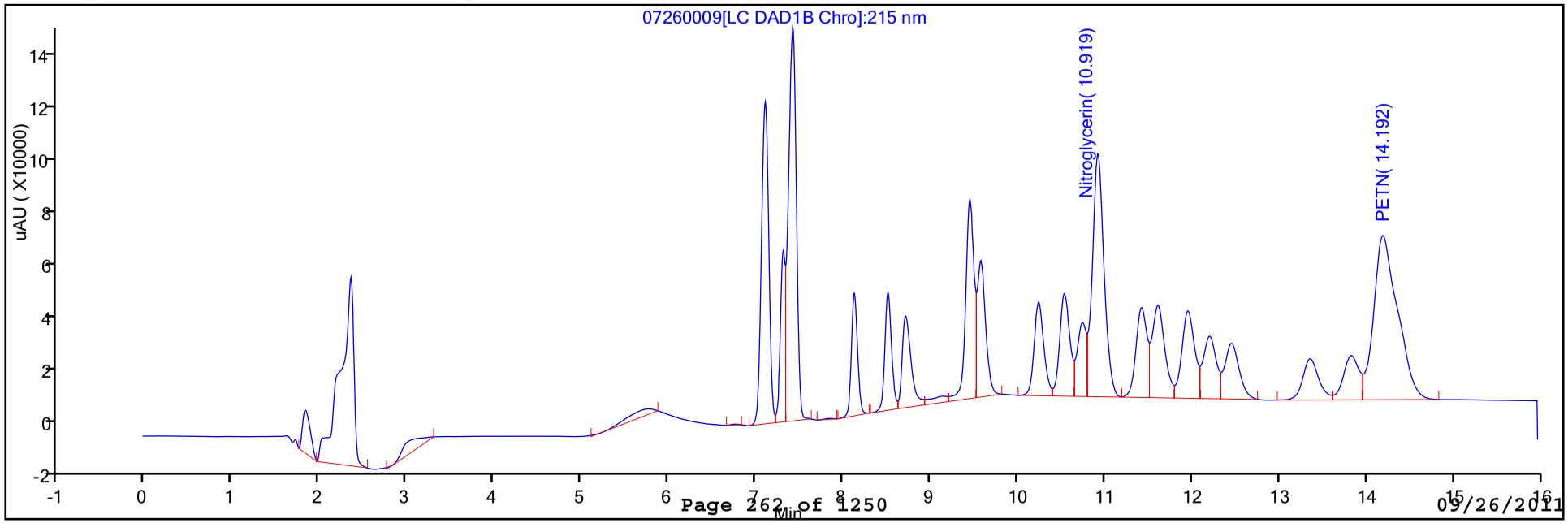
Lims Batch ID: 78309 Lims Sample ID: 9

Operator ID: mpk Injection Vol: 100.00 ul

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



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



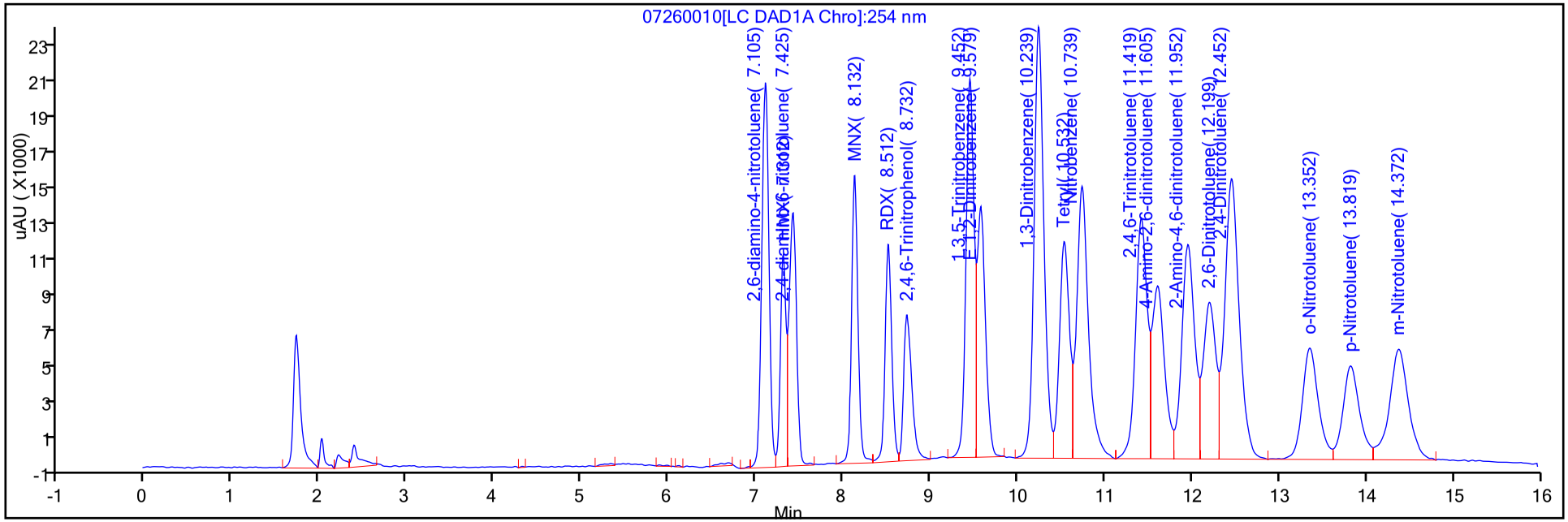
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260010.D		
Lims ID:	IC 8330 L5	Client ID:	
Inject. Date:	26-Jul-2011 20:48:20	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	IC 8330 L5		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	10
Lims Batch ID:	78309	Lims Sample ID:	10
Sublist:	chrom-8330_X4*sub1		
Method:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\8330_X4.m		
Last Update:	27-Jul-2011 10:50:51	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

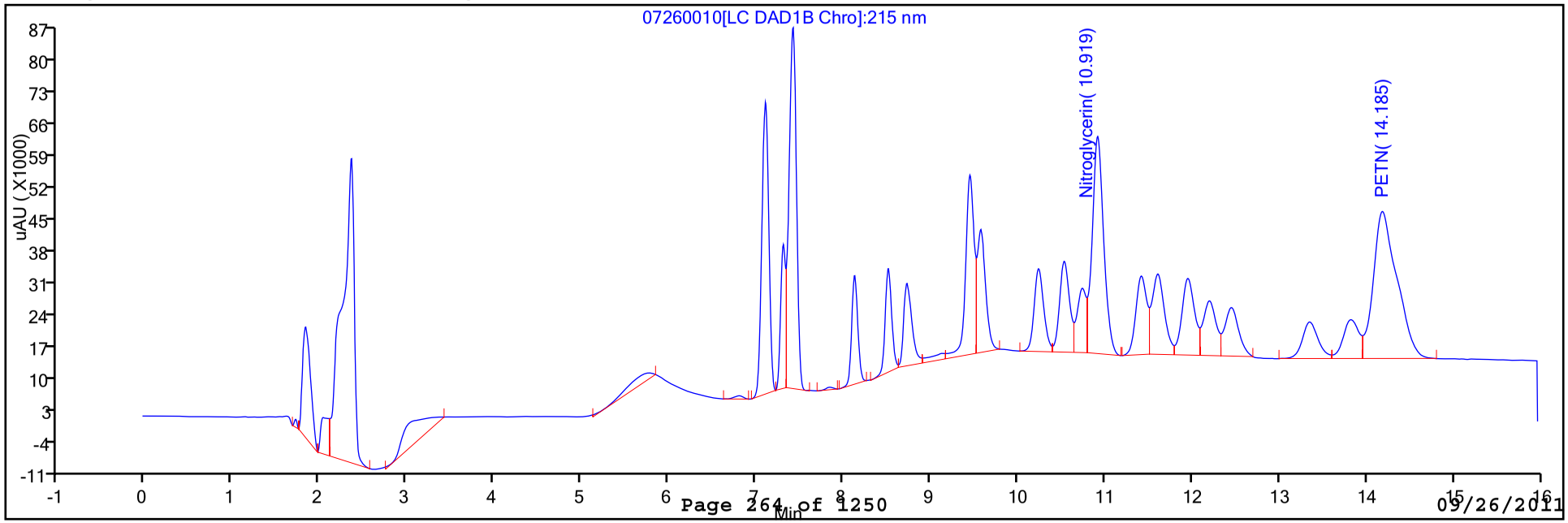
First Level Reviewer: kellisonm Date: 27-Jul-2011 10:50:51

	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	1 2,6-diamino-4-nitrotoluene	1	7.105	7.108	-0.003	121485	0.3890	
	2 HMX	1	7.312	7.308	0.004	52747	0.3673	
	3 2,4-diamino-6-nitrotoluene	1	7.425	7.421	0.004	81256	0.3986	
	4 MNX	1	8.132	8.132	0.0	80228	0.3941	
	5 RDX	1	8.512	8.514	-0.002	63756	0.3882	
	6 2,4,6-Trinitrophenol	1	8.732	8.741	-0.009	52274	0.3925	
	7 1,3,5-Trinitrobenzene	1	9.452	9.454	-0.002	132347	0.3838	
E	8 1,2-Dinitrobenzene	1	9.579	9.581	-0.002	89909	0.3897	
	9 1,3-Dinitrobenzene	1	10.239	10.241	-0.002	186909	0.3937	
	10 Tetryl	1	10.532	10.534	-0.002	94624	0.3910	
	12 Nitrobenzene	1	10.739	10.741	-0.002	140248	0.4030	
	13 Nitroglycerin	2	10.919	10.921	-0.002	436153	3.99	
	14 2,4,6-Trinitrotoluene	1	11.419	11.421	-0.002	123834	0.3906	
	15 4-Amino-2,6-dinitrotoluene	1	11.605	11.607	-0.002	94088	0.3947	
	16 2-Amino-4,6-dinitrotoluene	1	11.952	11.954	-0.002	122477	0.3892	
	17 2,6-Dinitrotoluene	1	12.199	12.201	-0.002	86645	0.3940	
	18 2,4-Dinitrotoluene	1	12.452	12.454	-0.002	177985	0.3838	
	19 o-Nitrotoluene	1	13.352	13.354	-0.002	78304	0.3900	
	20 p-Nitrotoluene	1	13.819	13.827	-0.008	68691	0.3875	
	21 PETN	2	14.185	14.172	0.013	607644	3.87	
	22 m-Nitrotoluene	1	14.372	14.374	-0.002	92524	0.3943	

Report Date: 27-Jul-2011 10:50:52 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Denchrom\chromdata\X4_C18\20110726-2256.b\07260010.D
Injection Date: 26-Jul-2011 20:48:20 Limit Group: GCSV - 8330B
Client ID: Instrument ID: CHHPLCX4_C18
Lims Batch ID: 78309 Lims Sample ID: 10
Operator ID: mpk Injection Vol: 100.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



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



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260011.D		
Lims ID:	IC 8330 L4	Client ID:	
Inject. Date:	26-Jul-2011 21:14:43	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	IC 8330 L4		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	11
Lims Batch ID:	78309	Lims Sample ID:	11
Sublist:	chrom-8330_X4*sub1		

Method:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\8330_X4.m		
Last Update:	27-Jul-2011 10:50:53	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

First Level Reviewer: kellisonm Date: 27-Jul-2011 10:50:53

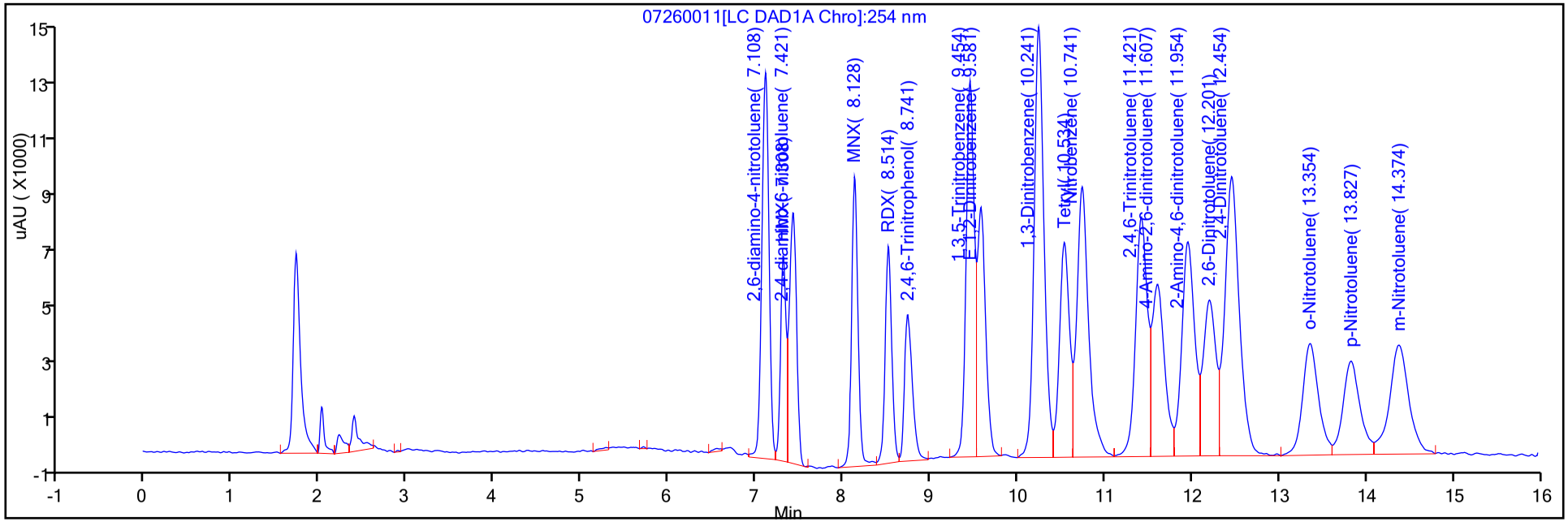
	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	1 2,6-diamino-4-nitrotoluene	1	7.108	7.108	0.0	77234	0.2473	
	2 HMX	1	7.308	7.308	0.0	32562	0.2268	
	3 2,4-diamino-6-nitrotoluene	1	7.421	7.421	0.0	49989	0.2453	
	4 MNX	1	8.128	8.128	0.0	51584	0.2515	
	5 RDX	1	8.514	8.514	0.0	40146	0.2445	
	6 2,4,6-Trinitrophenol	1	8.741	8.741	0.0	32467	0.2438	
	7 1,3,5-Trinitrobenzene	1	9.454	9.454	0.0	84485	0.2450	
E	8 1,2-Dinitrobenzene	1	9.581	9.581	0.0	57132	0.2476	
	9 1,3-Dinitrobenzene	1	10.241	10.241	0.0	119122	0.2509	
	10 Tetryl	1	10.534	10.534	0.0	60553	0.2502	
	12 Nitrobenzene	1	10.741	10.741	0.0	89127	0.2561	
	13 Nitroglycerin	2	10.921	10.921	0.0	278016	2.54	
	14 2,4,6-Trinitrotoluene	1	11.421	11.421	0.0	79475	0.2507	
	15 4-Amino-2,6-dinitrotoluene	1	11.607	11.607	0.0	59555	0.2498	
	16 2-Amino-4,6-dinitrotoluene	1	11.954	11.954	0.0	78161	0.2484	
	17 2,6-Dinitrotoluene	1	12.201	12.201	0.0	54975	0.2490	
	18 2,4-Dinitrotoluene	1	12.454	12.454	0.0	113654	0.2451	
	19 o-Nitrotoluene	1	13.354	13.354	0.0	49852	0.2471	
	20 p-Nitrotoluene	1	13.827	13.827	0.0	44533	0.2496	
	21 PETN	2	14.187	14.187	0.0	386350	2.46	
	22 m-Nitrotoluene	1	14.374	14.374	0.0	58946	0.2501	

Report Date: 27-Jul-2011 10:50:54 Chrom Revision: 1.2 13-Jul-2011 10:43:06

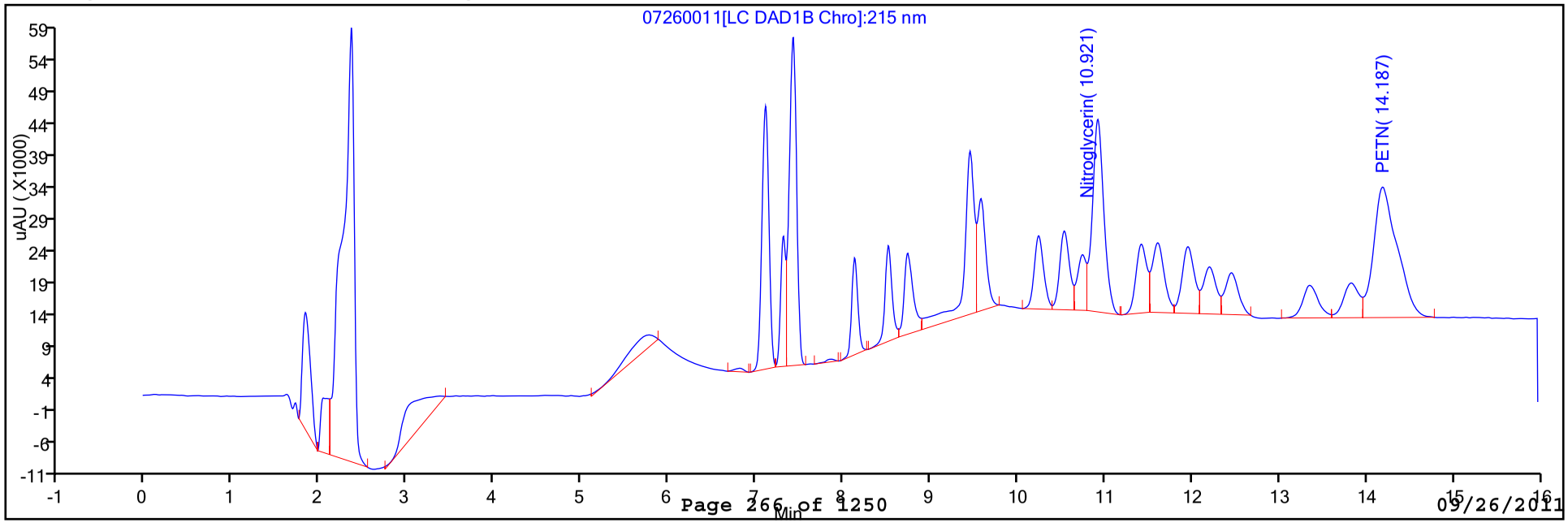
Data File: \\Denchrom\chromdata\X4_C18\20110726-2256.b\07260011.D

Injection Date:	26-Jul-2011 21:14:43	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	78309	Lims Sample ID:	11
Operator ID:	mpk	Injection Vol:	100.00 ul

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



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



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260012.D		
Lims ID:	IC 8330 L3	Client ID:	
Inject. Date:	26-Jul-2011 21:41:01	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	IC 8330 L3		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	12
Lims Batch ID:	78309	Lims Sample ID:	12
Sublist:	chrom-8330_X4*sub1		
Method:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\8330_X4.m		
Last Update:	27-Jul-2011 10:50:55	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

First Level Reviewer: kellisonm Date: 27-Jul-2011 10:50:55

	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	1 2,6-diamino-4-nitrotoluene	1	7.107	7.108	-0.001	30944	0.0991	
	2 HMX	1	7.307	7.308	-0.001	13663	0.0951	
	3 2,4-diamino-6-nitrotoluene	1	7.427	7.421	0.006	20880	0.1024	
	4 MNX	1	8.127	8.128	-0.001	20934	0.0989	
	5 RDX	1	8.514	8.514	0.0	16120	0.0982	
	6 2,4,6-Trinitrophenol	1	8.747	8.741	0.006	13042	0.0979	
	7 1,3,5-Trinitrobenzene	1	9.454	9.454	0.0	33815	0.0981	
E	8 1,2-Dinitrobenzene	1	9.581	9.581	0.0	23128	0.1002	
	9 1,3-Dinitrobenzene	1	10.241	10.241	0.0	47281	0.0996	
	10 Tetryl	1	10.534	10.534	0.0	23601	0.0975	
	12 Nitrobenzene	1	10.741	10.741	0.0	33636	0.0967	
	13 Nitroglycerin	2	10.921	10.921	0.0	103038	0.9421	
	14 2,4,6-Trinitrotoluene	1	11.421	11.421	0.0	31601	0.0997	
	15 4-Amino-2,6-dinitrotoluene	1	11.607	11.607	0.0	23353	0.0980	
	16 2-Amino-4,6-dinitrotoluene	1	11.954	11.954	0.0	30738	0.0977	
	17 2,6-Dinitrotoluene	1	12.194	12.201	-0.007	22356	0.0997	
	18 2,4-Dinitrotoluene	1	12.454	12.454	0.0	45710	0.0986	
	19 o-Nitrotoluene	1	13.354	13.354	0.0	20020	0.0972	
	20 p-Nitrotoluene	1	13.814	13.827	-0.013	17789	0.0969	
	21 PETN	2	14.181	14.187	-0.006	154448	0.9834	
	22 m-Nitrotoluene	1	14.367	14.374	-0.007	22781	0.0948	

Report Date: 27-Jul-2011 10:50:56 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Denchrom\chromdata\X4_C18\20110726-2256.b\07260012.D

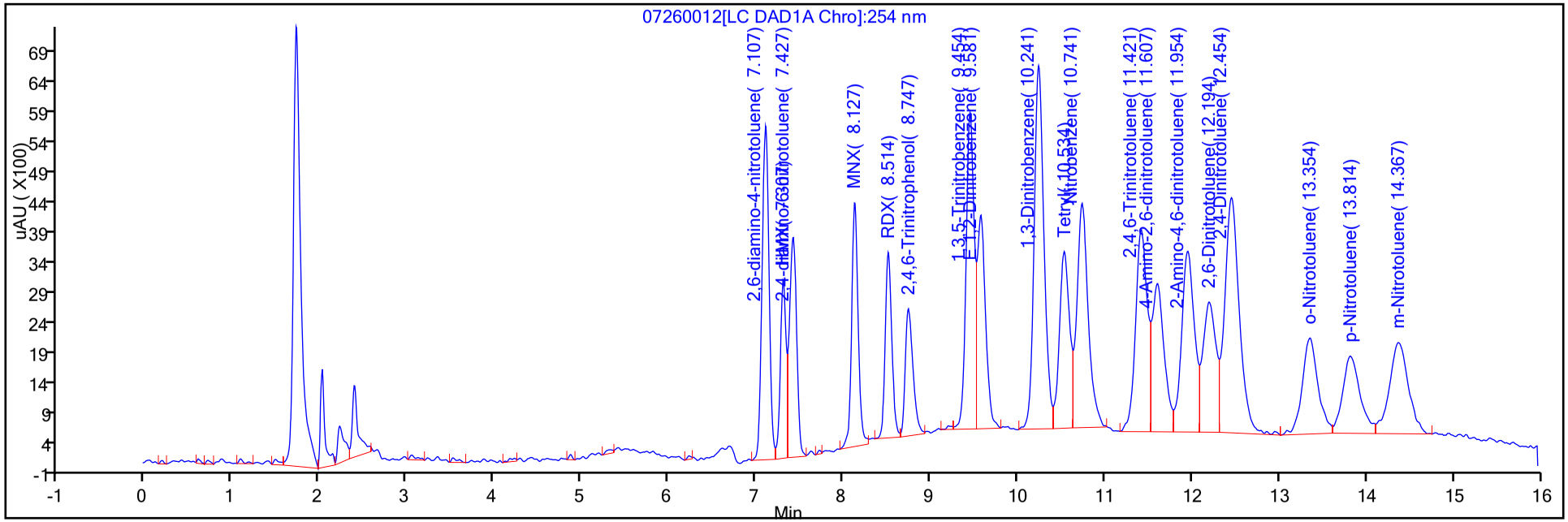
Injection Date: 26-Jul-2011 21:41:01 Limit Group: GCSV - 8330B

Client ID: Instrument ID: CHHPLCX4_C18

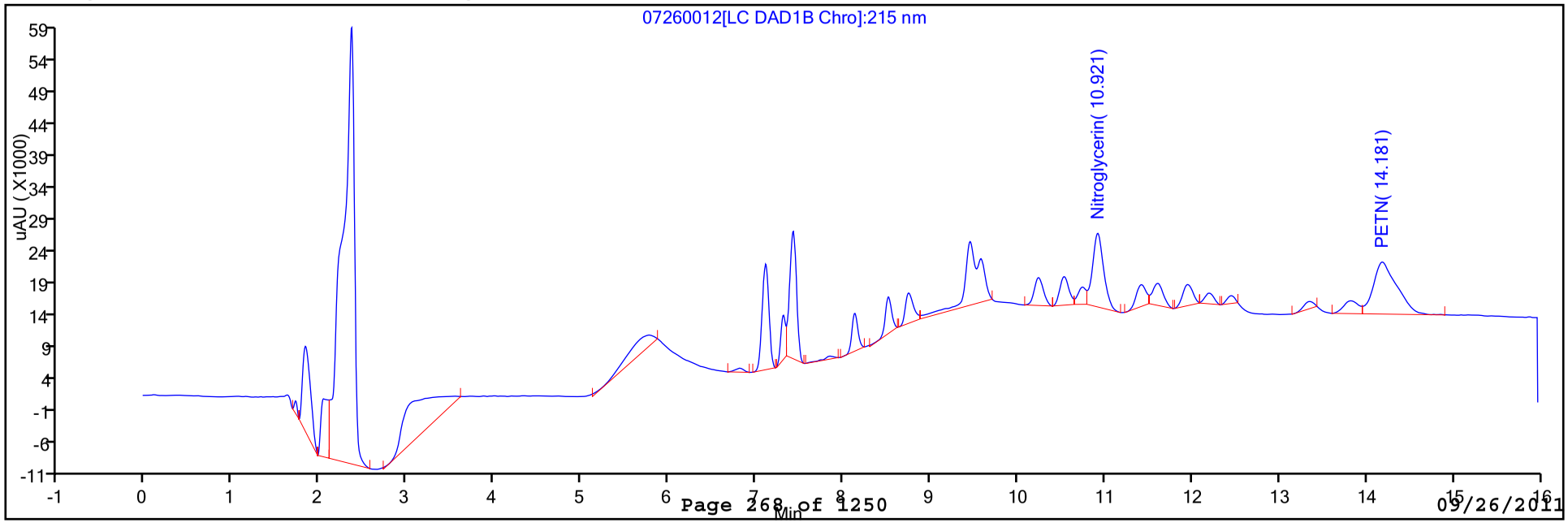
Lims Batch ID: 78309 Lims Sample ID: 12

Operator ID: mpk Injection Vol: 100.00 ul

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



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



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260013.D		
Lims ID:	IC 8330 L2	Client ID:	
Inject. Date:	26-Jul-2011 22:07:18	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	IC 8330 L2		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	13
Lims Batch ID:	78309	Lims Sample ID:	13
Sublist:	chrom-8330_X4*sub1		
Method:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\8330_X4.m		
Last Update:	27-Jul-2011 10:50:57	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

First Level Reviewer: kellisonm Date: 27-Jul-2011 10:50:57

	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	1 2,6-diamino-4-nitrotoluene	1	7.108	7.108	0.0	15766	0.0505	
	2 HMX	1	7.315	7.308	0.007	7178	0.0500	
	3 2,4-diamino-6-nitrotoluene	1	7.428	7.421	0.007	11211	0.0550	
	4 MNX	1	8.128	8.128	0.0	11417	0.0516	
	5 RDX	1	8.515	8.514	0.001	8523	0.0519	
	6 2,4,6-Trinitrophenol	1	8.755	8.741	0.014	6893	0.0518	
	7 1,3,5-Trinitrobenzene	1	9.461	9.454	0.007	18146	0.0526	
E	8 1,2-Dinitrobenzene	1	9.581	9.581	0.0	11944	0.0518	
	9 1,3-Dinitrobenzene	1	10.248	10.241	0.007	24058	0.0507	
	10 Tetryl	1	10.541	10.534	0.007	12336	0.0510	
	12 Nitrobenzene	1	10.741	10.741	0.0	18270	0.0525	
	13 Nitroglycerin	2	10.921	10.921	0.0	53149	0.4859	
	14 2,4,6-Trinitrotoluene	1	11.428	11.421	0.007	16541	0.0522	
	15 4-Amino-2,6-dinitrotoluene	1	11.608	11.607	0.001	12055	0.0506	
	16 2-Amino-4,6-dinitrotoluene	1	11.961	11.954	0.007	15909	0.0506	
	17 2,6-Dinitrotoluene	1	12.208	12.201	0.007	11128	0.0483	
	18 2,4-Dinitrotoluene	1	12.461	12.454	0.007	23224	0.0501	
	19 o-Nitrotoluene	1	13.348	13.354	-0.006	10755	0.0507	
	20 p-Nitrotoluene	1	13.828	13.827	0.001	10125	0.0532	
	21 PETN	2	14.188	14.187	0.001	76621	0.4879	
	22 m-Nitrotoluene	1	14.381	14.374	0.007	12835	0.0520	

Report Date: 27-Jul-2011 10:50:58 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Denchrom\chromdata\X4_C18\20110726-2256.b\07260013.D

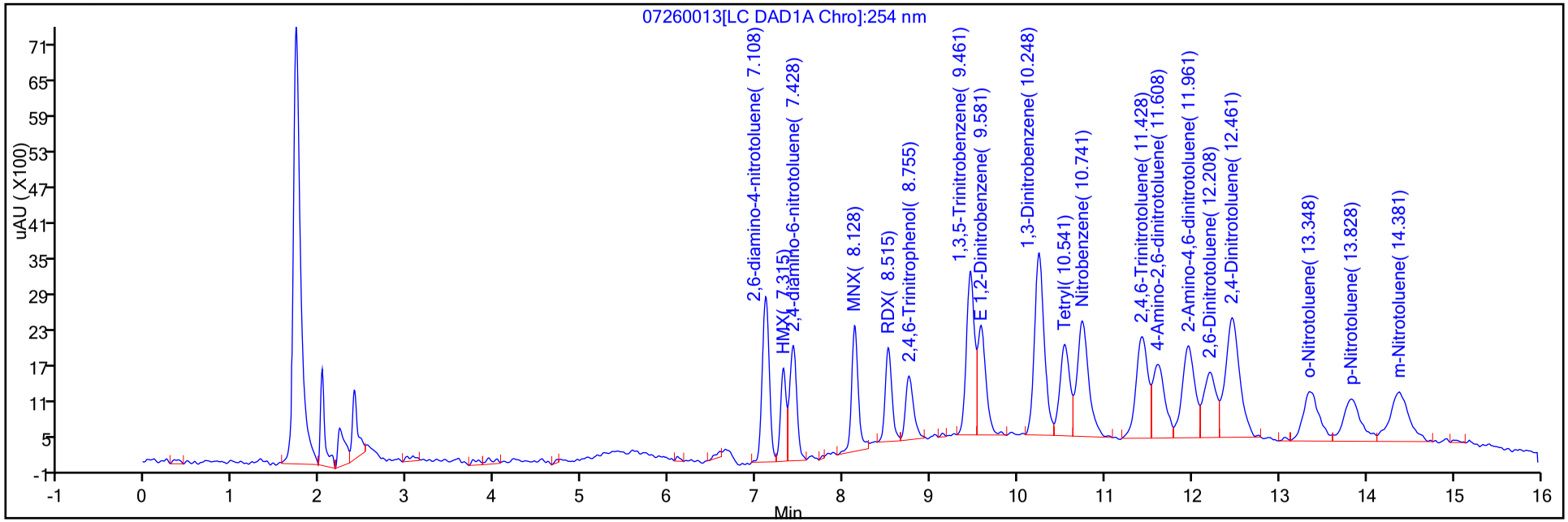
Injection Date: 26-Jul-2011 22:07:18 Limit Group: GCSV - 8330B

Client ID: Instrument ID: CHHPLCX4_C18

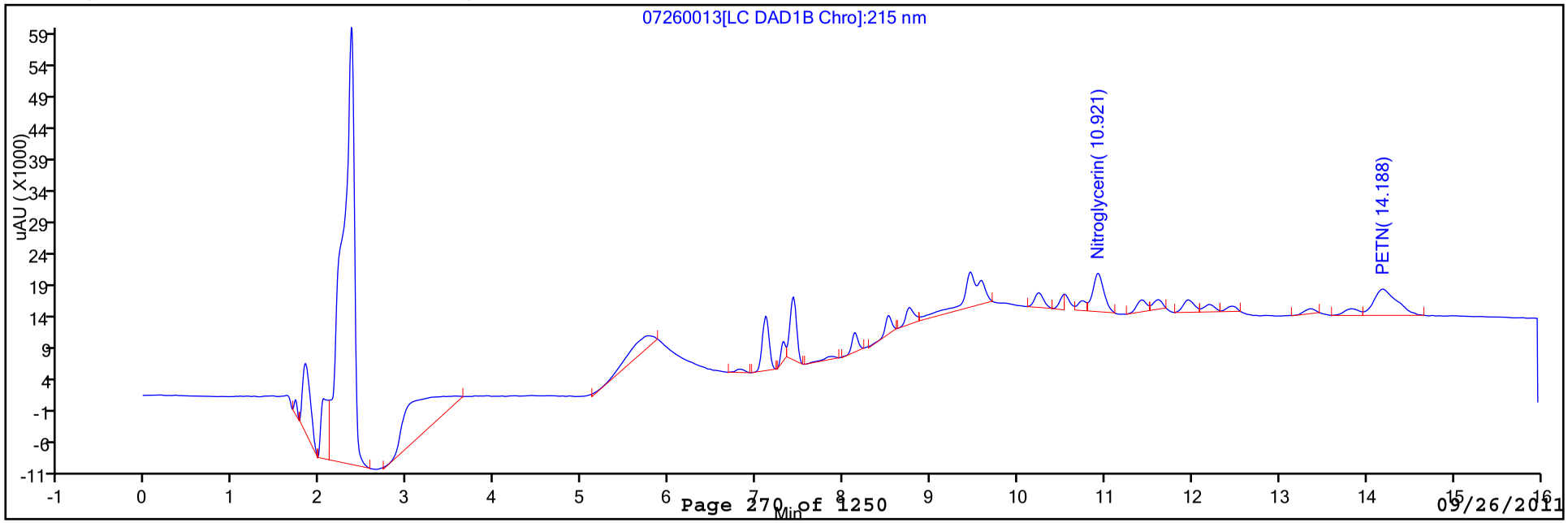
Lims Batch ID: 78309 Lims Sample ID: 13

Operator ID: mpk Injection Vol: 100.00 ul

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



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



Report Date: 27-Jul-2011 10:51:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260014.D		
Lims ID:	IC 8330 L1	Client ID:	
Inject. Date:	26-Jul-2011 22:33:36	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	IC 8330 L1		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	14
Lims Batch ID:	78309	Lims Sample ID:	14
Sublist:	chrom-8330_X4*sub1		

Method:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\8330_X4.m		
Last Update:	27-Jul-2011 10:50:59	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

First Level Reviewer: kellisonm Date: 27-Jul-2011 10:50:59

	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	1 2,6-diamino-4-nitrotoluene	1	7.112	7.108	0.004	3439	0.0110	
	2 HMX	1	7.312	7.308	0.004	1661	0.0116	
	3 2,4-diamino-6-nitrotoluene	1	7.432	7.421	0.011	2264	0.0111	
	4 MNX	1	8.132	8.128	0.004	3055	0.0099	M
	5 RDX	1	8.512	8.514	-0.002	1874	0.0114	
	6 2,4,6-Trinitrophenol	1	8.766	8.741	0.025	1385	0.0104	
	7 1,3,5-Trinitrobenzene	1	9.466	9.454	0.012	3613	0.0105	
E	8 1,2-Dinitrobenzene	1	9.572	9.581	-0.009	2462	0.0107	
	9 1,3-Dinitrobenzene	1	10.246	10.241	0.005	4746	0.0100	M
	10 Tetryl	1	10.526	10.534	-0.008	2458	0.0102	M
	12 Nitrobenzene	1	10.732	10.741	-0.009	3077	0.008843	M
	13 Nitroglycerin	2	10.919	10.921	-0.002	10548	0.0964	M
	14 2,4,6-Trinitrotoluene	1	11.412	11.421	-0.009	3093	0.009756	M
	15 4-Amino-2,6-dinitrotoluene	1	11.592	11.607	-0.015	2422	0.0102	M
	16 2-Amino-4,6-dinitrotoluene	1	11.946	11.954	-0.008	3397	0.0108	M
	17 2,6-Dinitrotoluene	1	12.186	12.201	-0.015	2789	0.0101	M
	18 2,4-Dinitrotoluene	1	12.459	12.454	0.005	5154	0.0111	M
	19 o-Nitrotoluene	1	13.319	13.354	-0.035	2654	0.0100	
	20 p-Nitrotoluene	1	13.772	13.827	-0.055	2544	0.0099	
	21 PETN	2	14.172	14.187	-0.015	17690	0.1126	M
	22 m-Nitrotoluene	1	14.326	14.374	-0.048	3039	0.0100	M

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 27-Jul-2011 10:51:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Denchrom\chromdata\X4_C18\20110726-2256.b\07260014.D

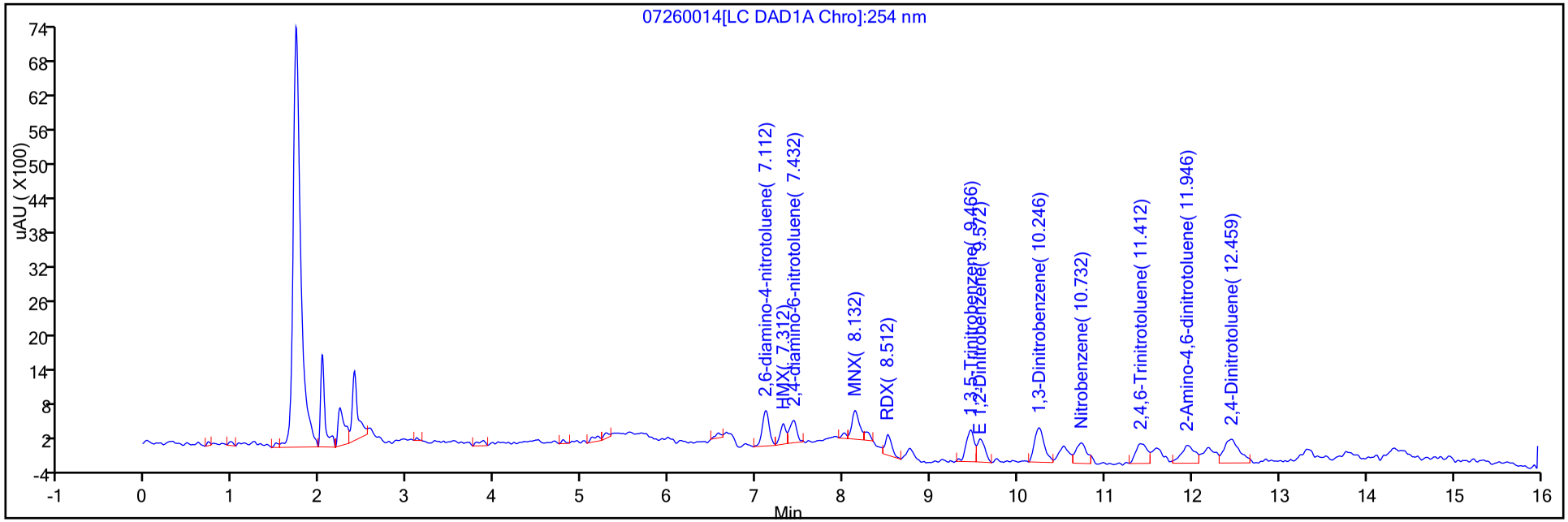
Injection Date: 26-Jul-2011 22:33:36 Limit Group: GCSV - 8330B

Client ID: Instrument ID: CHHPLCX4_C18

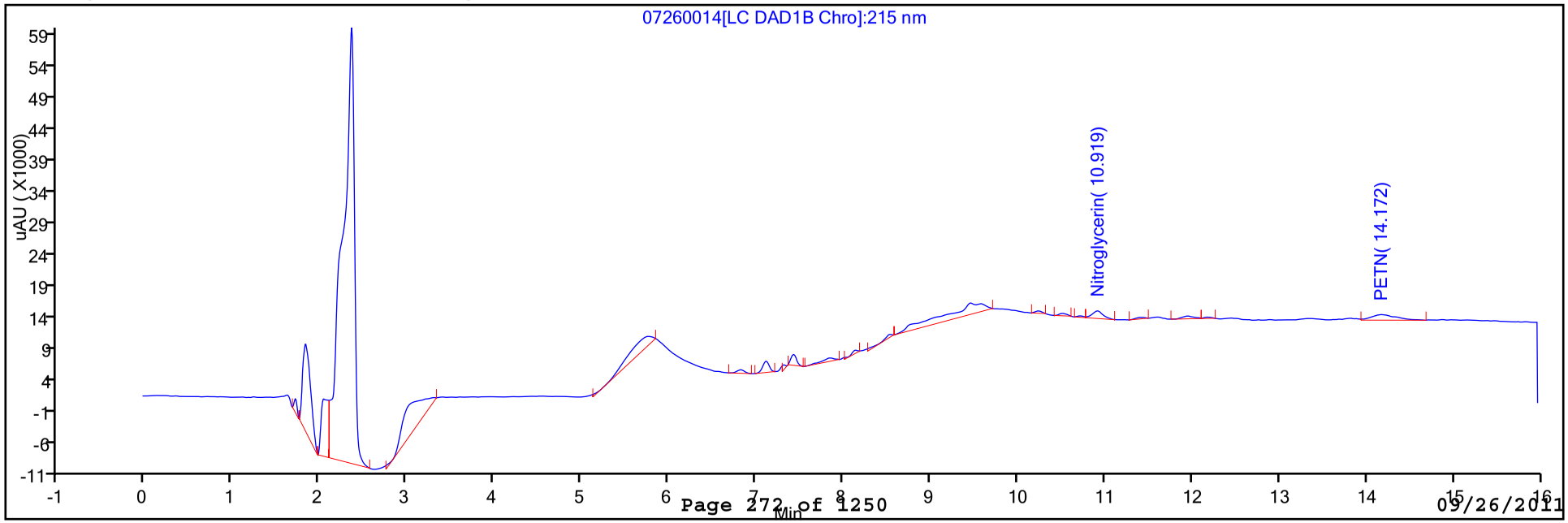
Lims Batch ID: 78309 Lims Sample ID: 14

Operator ID: mpk Injection Vol: 100.00 ul

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



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



Report Date: 27-Jul-2011 10:51:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

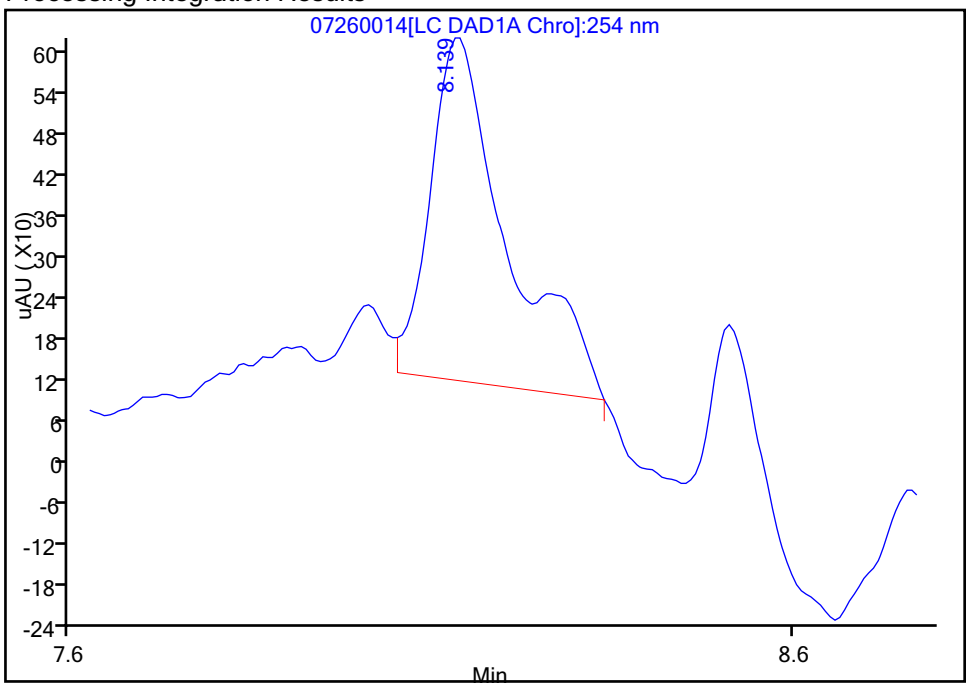
Manual Integration/User Assign Peak Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260014.D		
Injection Date:	26-Jul-2011 22:33:36	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	78309	Lims Sample ID:	14
Operator ID:	mpk	Injection Vol:	100.00 ul

4 MNX, Signal: 1, Type: quant, RT: 8.13, Det: LC DAD1B

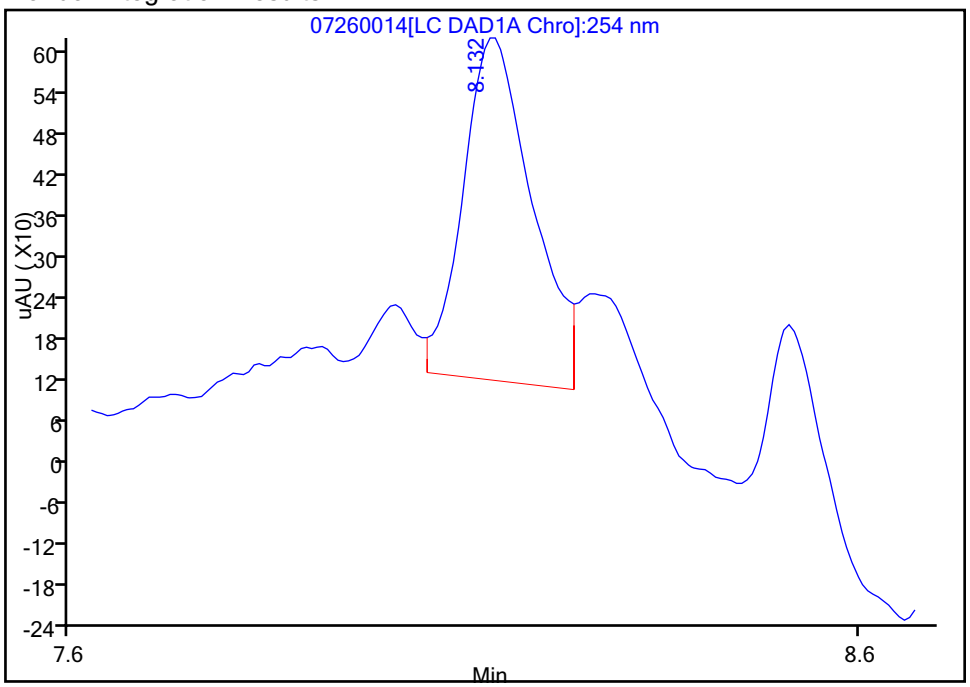
Processing Integration Results

RT: 8.14
Response: 3691
Amount: 0.010054



Manual Integration Results

RT: 8.13
Response: 3055
Amount: 0.009949



Reviewer: kellisonm, 27-Jul-2011 10:40:11
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

Report Date: 27-Jul-2011 10:51:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

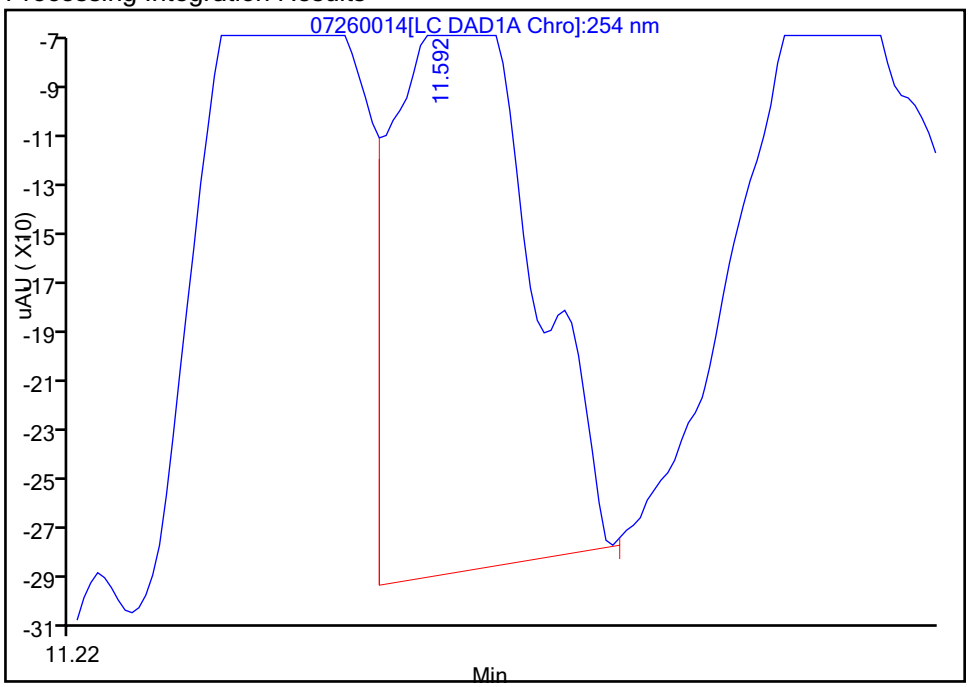
Manual Integration/User Assign Peak Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260014.D		
Injection Date:	26-Jul-2011 22:33:36	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	78309	Lims Sample ID:	14
Operator ID:	mpk	Injection Vol:	100.00 ul

15 4-Amino-2,6-dinitrotoluene, Signal: 1, Type: quant, RT: 11.61, Det: LC DAD1B

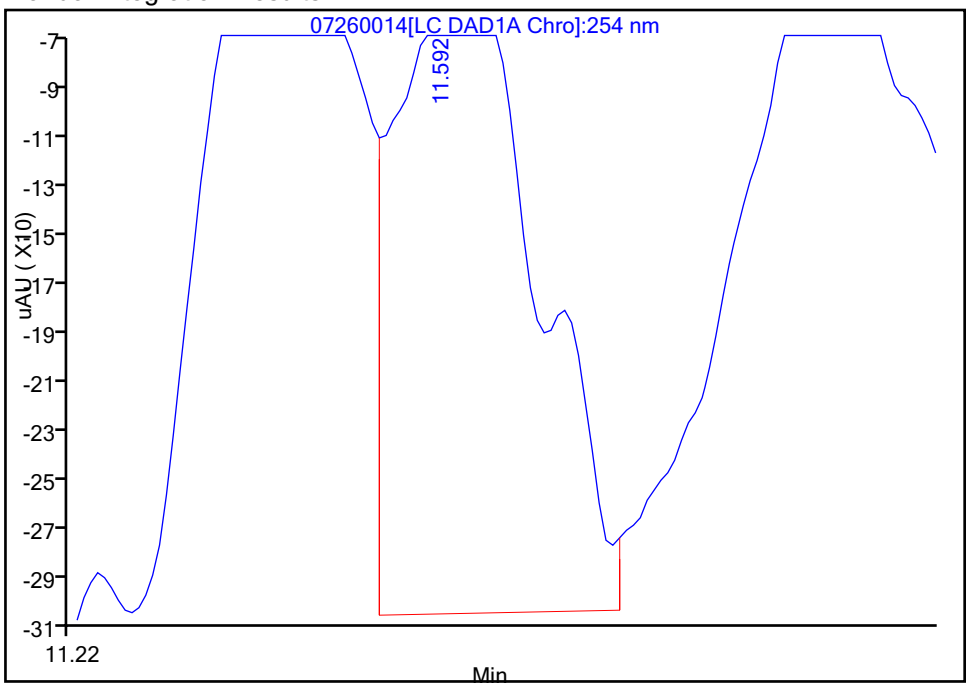
Processing Integration Results

RT: 11.59
Response: 2156
Amount: 0.009171



Manual Integration Results

RT: 11.59
Response: 2422
Amount: 0.010159



Reviewer: kellisonm, 27-Jul-2011 10:34:01
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Report Date: 27-Jul-2011 10:51:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

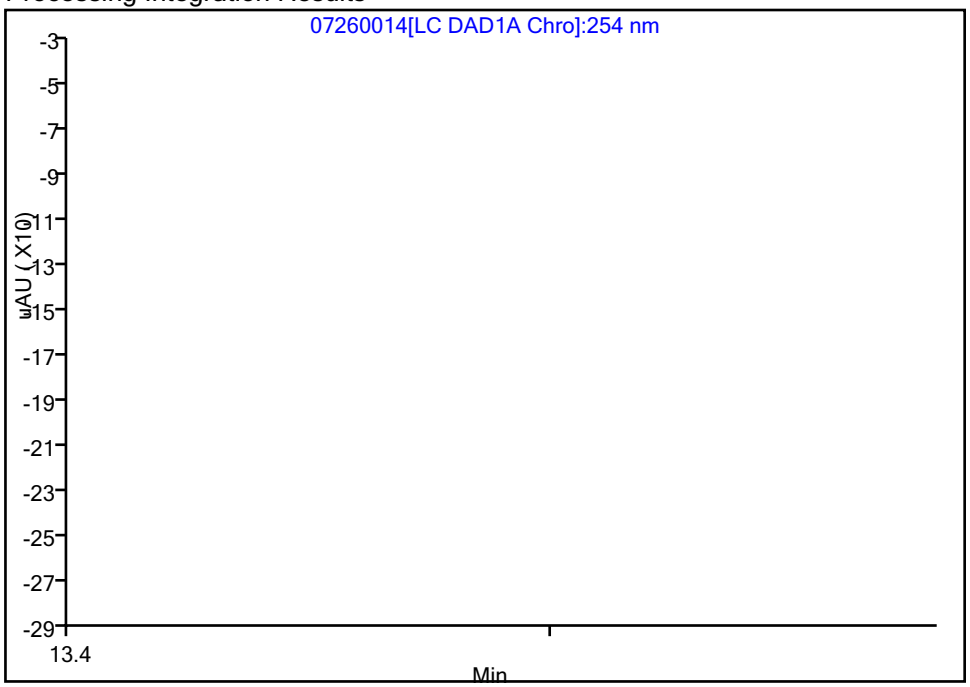
Manual Integration/User Assign Peak Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260014.D		
Injection Date:	26-Jul-2011 22:33:36	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	78309	Lims Sample ID:	14
Operator ID:	mpk	Injection Vol:	100.00 ul

22 m-Nitrotoluene, Signal: 1, Type: quant, RT: 14.37, Det: LC DAD1B

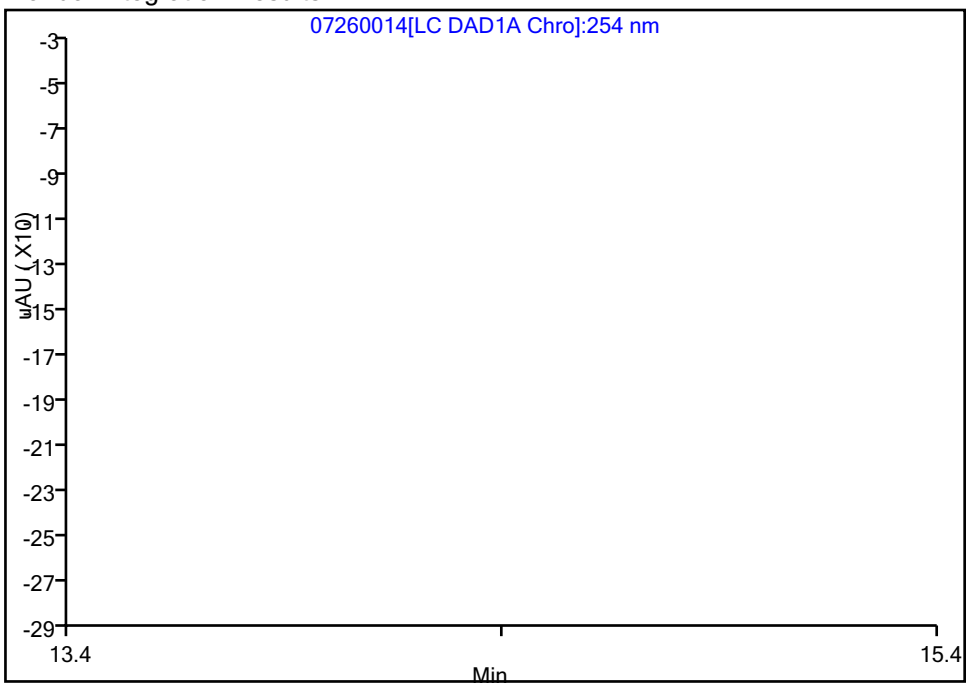
Processing Integration Results

RT: 14.33
Response: 1784
Amount: 0.009799



Manual Integration Results

RT: 14.33
Response: 3039
Amount: 0.009971



Reviewer: kellisonm, 27-Jul-2011 10:34:01
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Report Date: 27-Jul-2011 10:51:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

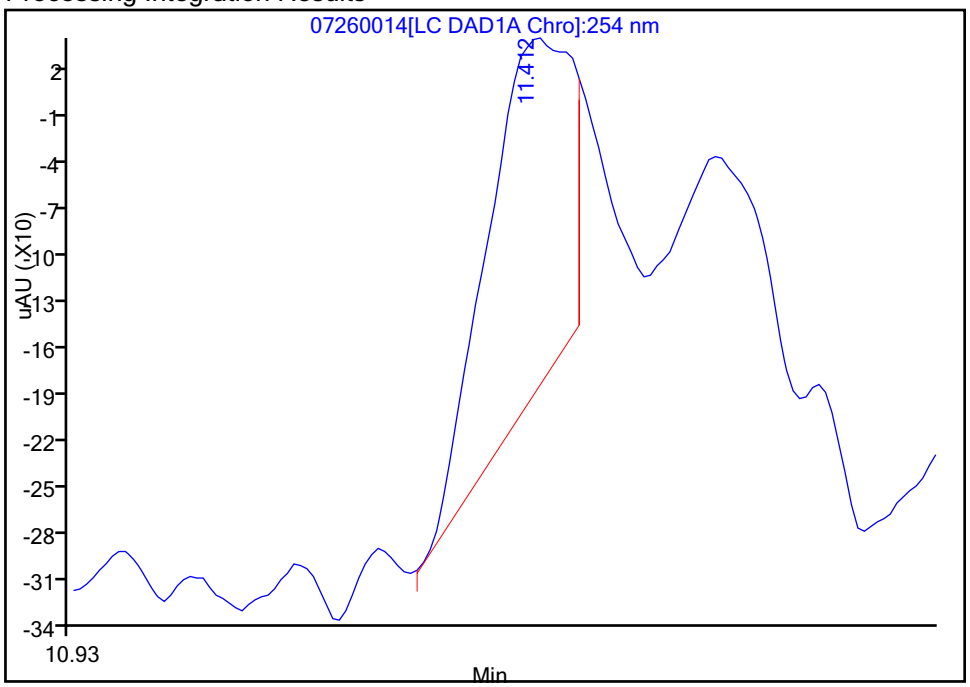
Manual Integration/User Assign Peak Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260014.D		
Injection Date:	26-Jul-2011 22:33:36	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	78309	Lims Sample ID:	14
Operator ID:	mpk	Injection Vol:	100.00 ul

14 2,4,6-Trinitrotoluene, Signal: 1, Type: quant, RT: 11.42, Det: LC DAD1B

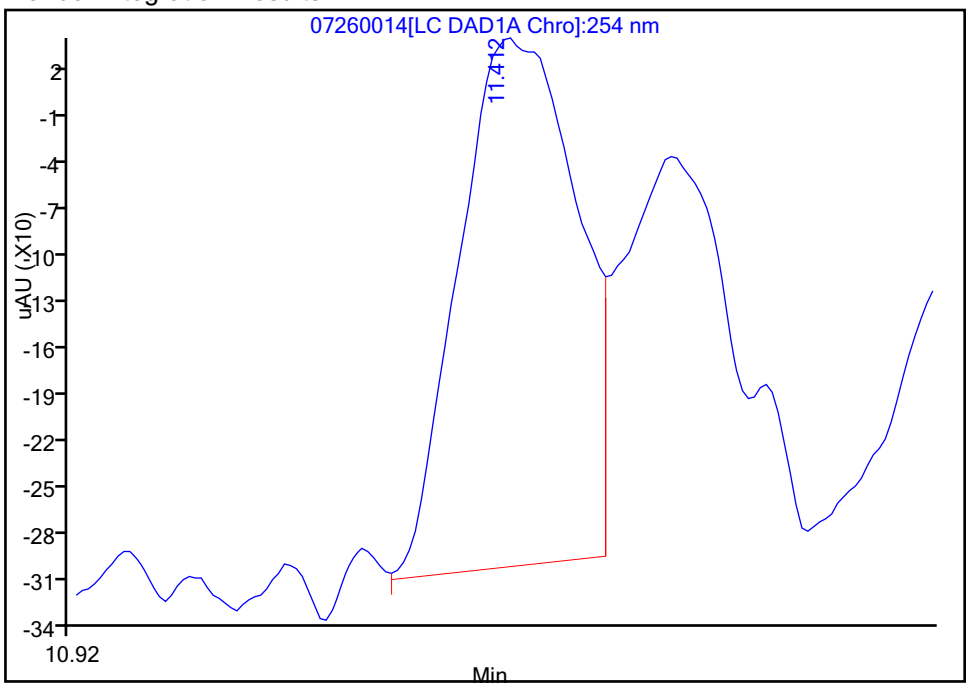
Processing Integration Results

RT: 11.41
Response: 1367
Amount: 0.009752



Manual Integration Results

RT: 11.41
Response: 3093
Amount: 0.009756



Reviewer: kellisonm, 27-Jul-2011 10:34:01
Audit Action: Split an Integrated Peak
Audit Reason: Incomplete Integration

Report Date: 27-Jul-2011 10:51:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

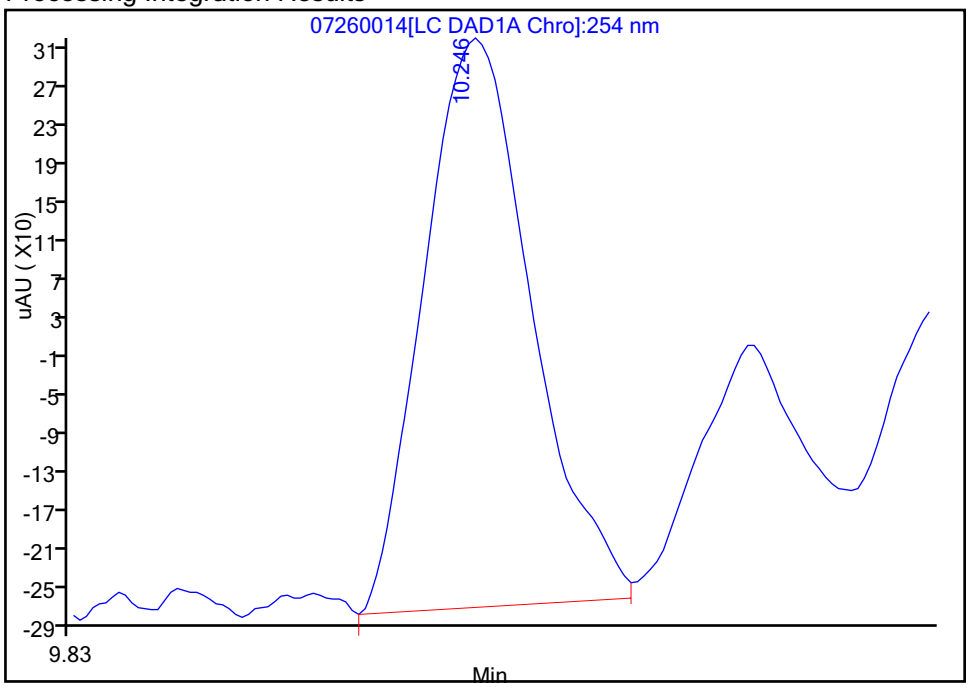
Manual Integration/User Assign Peak Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260014.D		
Injection Date:	26-Jul-2011 22:33:36	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	78309	Lims Sample ID:	14
Operator ID:	mpk	Injection Vol:	100.00 ul

9 1,3-Dinitrobenzene, Signal: 1, Type: quant, RT: 10.24, Det: LC DAD1B

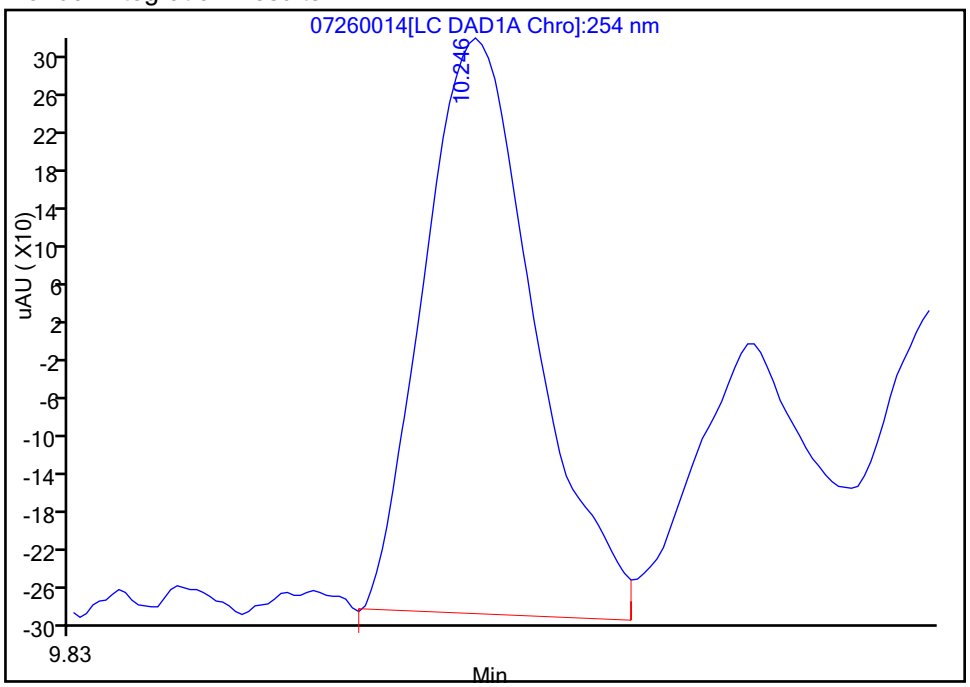
Processing Integration Results

RT: 10.25
Response: 4553
Amount: 0.009640



Manual Integration Results

RT: 10.25
Response: 4746
Amount: 0.009998



Reviewer: kellisonm, 27-Jul-2011 10:34:01
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Report Date: 27-Jul-2011 10:51:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

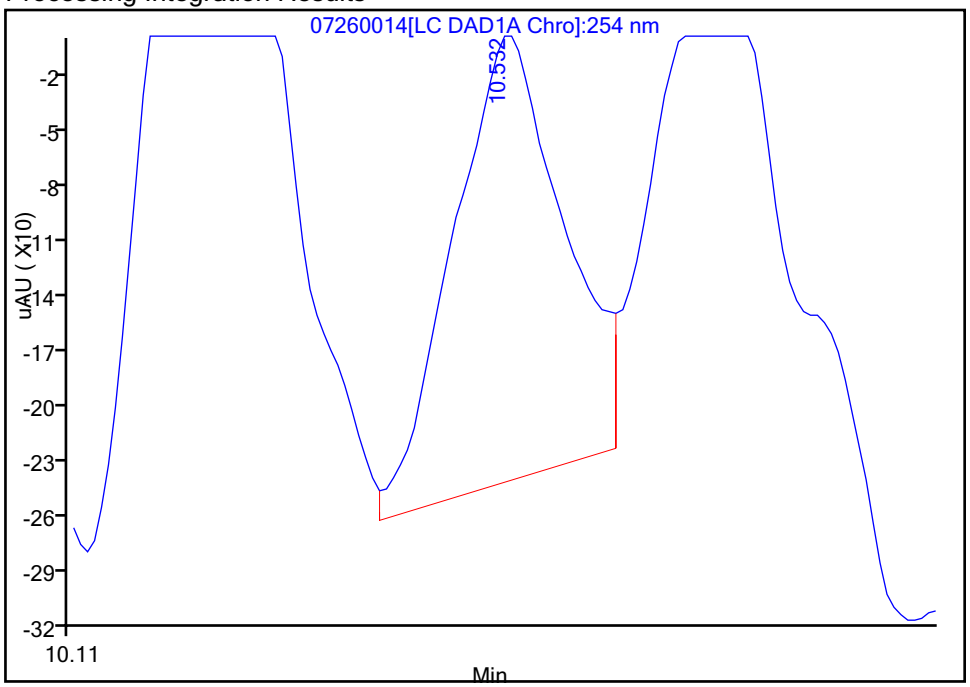
Manual Integration/User Assign Peak Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260014.D		
Injection Date:	26-Jul-2011 22:33:36	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	78309	Lims Sample ID:	14
Operator ID:	mpk	Injection Vol:	100.00 ul

10 Tetryl, Signal: 1, Type: quant, RT: 10.53, Det: LC DAD1B

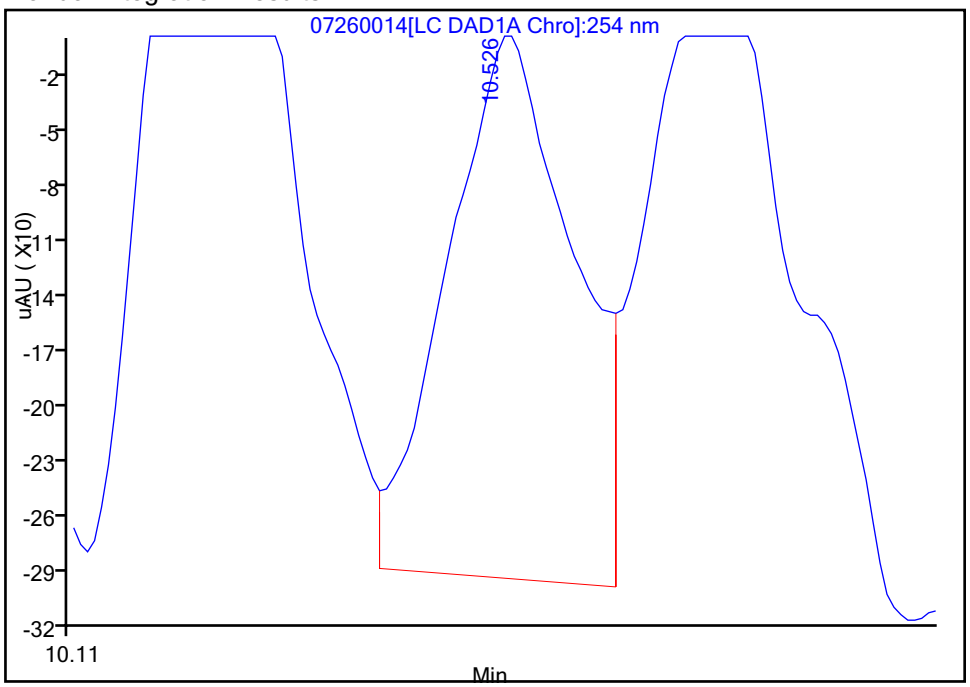
Processing Integration Results

RT: 10.53
Response: 1771
Amount: 0.009894



Manual Integration Results

RT: 10.53
Response: 2458
Amount: 0.010156



Reviewer: kellisonm, 27-Jul-2011 10:34:01
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Report Date: 27-Jul-2011 10:51:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

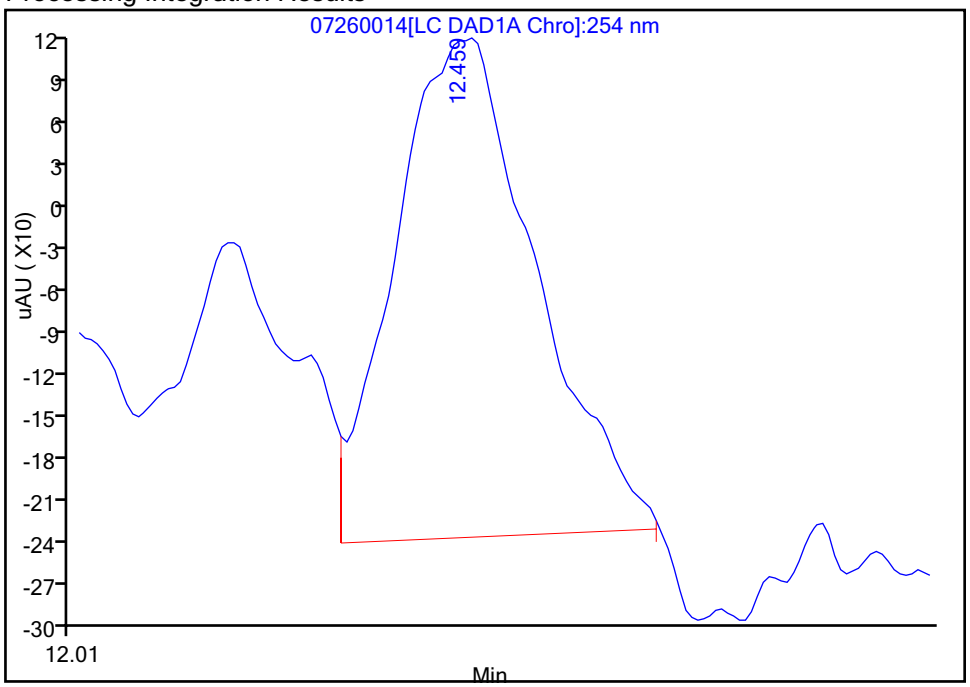
Manual Integration/User Assign Peak Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260014.D		
Injection Date:	26-Jul-2011 22:33:36	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	78309	Lims Sample ID:	14
Operator ID:	mpk	Injection Vol:	100.00 ul

18 2,4-Dinitrotoluene, Signal: 1, Type: quant, RT: 12.45, Det: LC DAD1B

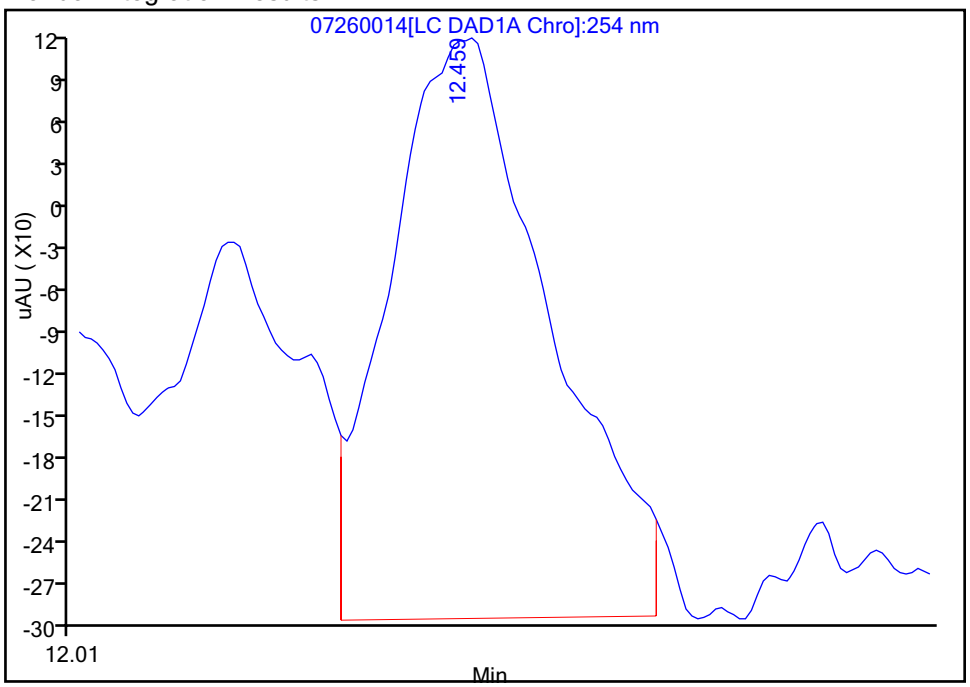
Processing Integration Results

RT: 12.46
Response: 3892
Amount: 0.008688



Manual Integration Results

RT: 12.46
Response: 5154
Amount: 0.011113



Reviewer: kellisonm, 27-Jul-2011 10:34:01
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Report Date: 27-Jul-2011 10:51:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

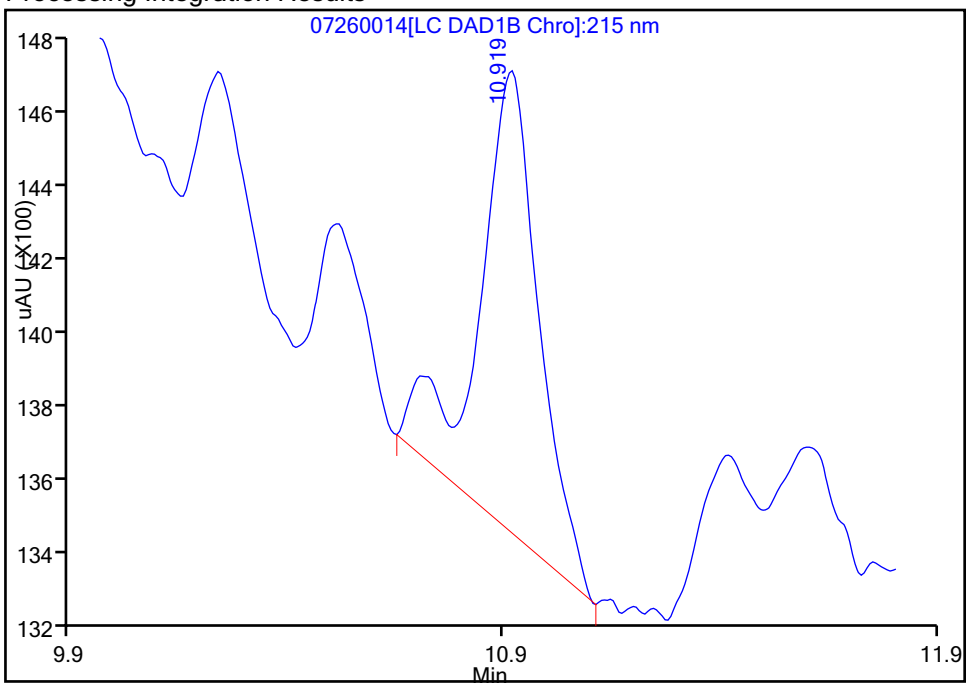
Manual Integration/User Assign Peak Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260014.D		
Injection Date:	26-Jul-2011 22:33:36	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	78309	Lims Sample ID:	14
Operator ID:	mpk	Injection Vol:	100.00 ul

13 Nitroglycerin, Signal: 1, Type: quant, RT: 10.92, Det: LC DAD1C

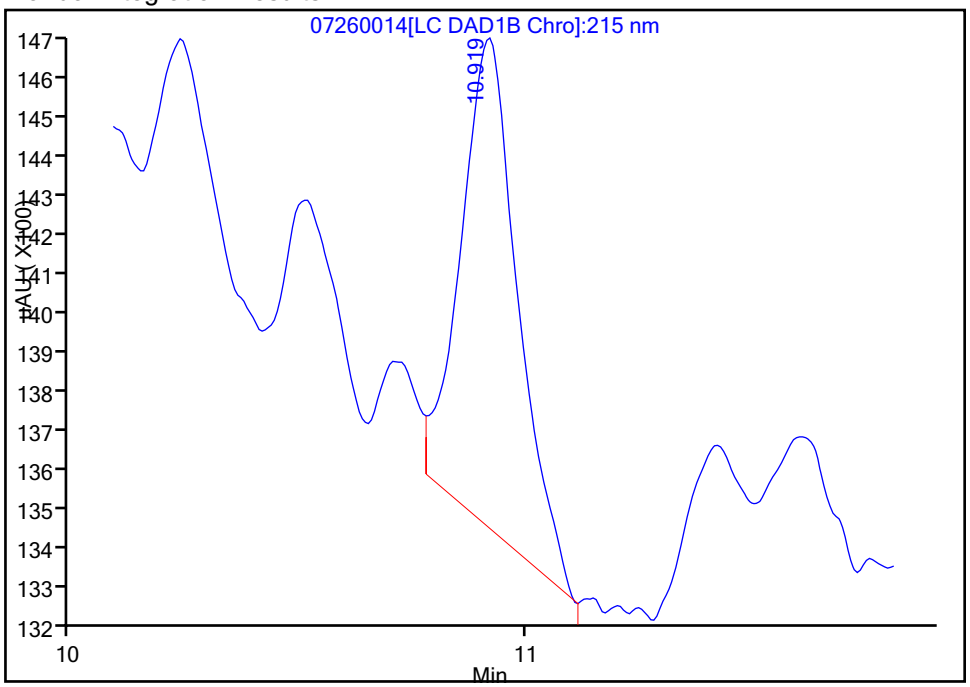
Processing Integration Results

RT: 10.92
Response: 11695
Amount: 0.327939



Manual Integration Results

RT: 10.92
Response: 10548
Amount: 0.096438



Reviewer: kellisonm, 27-Jul-2011 10:34:01
Audit Action: Split an Integrated Peak
Audit Reason: Incomplete Integration

Report Date: 27-Jul-2011 10:51:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

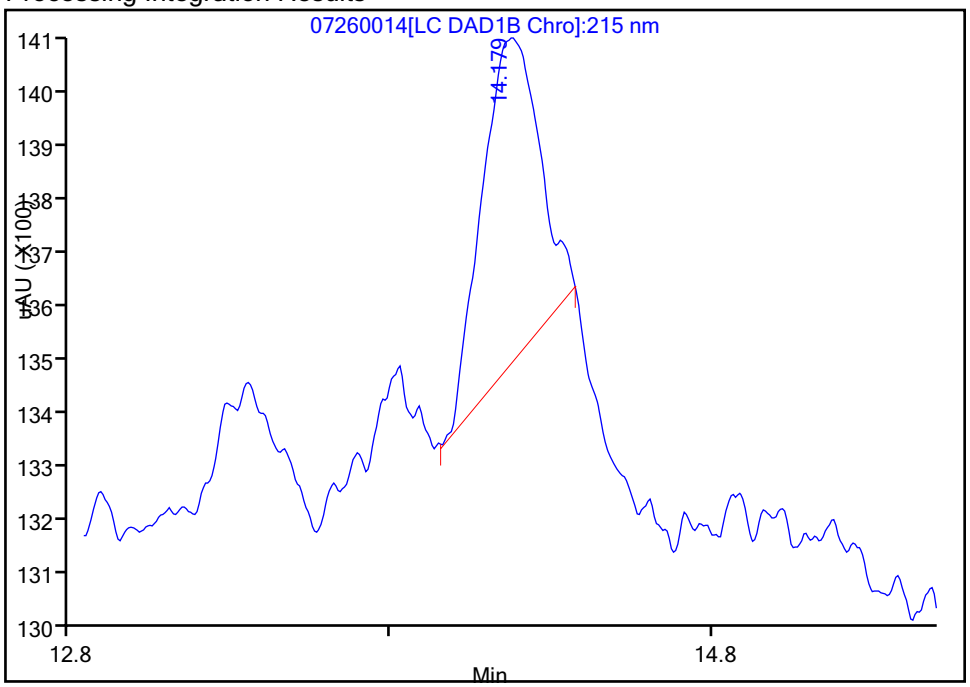
Manual Integration/User Assign Peak Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260014.D		
Injection Date:	26-Jul-2011 22:33:36	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	78309	Lims Sample ID:	14
Operator ID:	mpk	Injection Vol:	100.00 ul

21 PETN, Signal: 1, Type: quant, RT: 14.19, Det: LC DAD1C

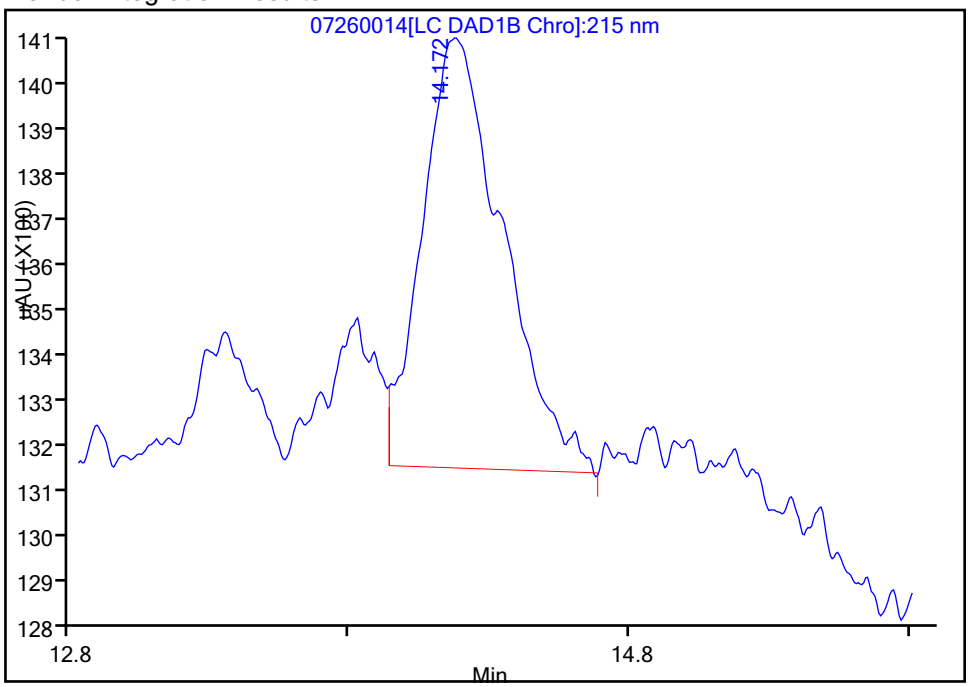
Processing Integration Results

RT: 14.18
Response: 7144
Amount: 0.098404



Manual Integration Results

RT: 14.17
Response: 17690
Amount: 0.112639



Reviewer: kellisonm, 27-Jul-2011 10:37:57
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Report Date: 27-Jul-2011 10:51:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

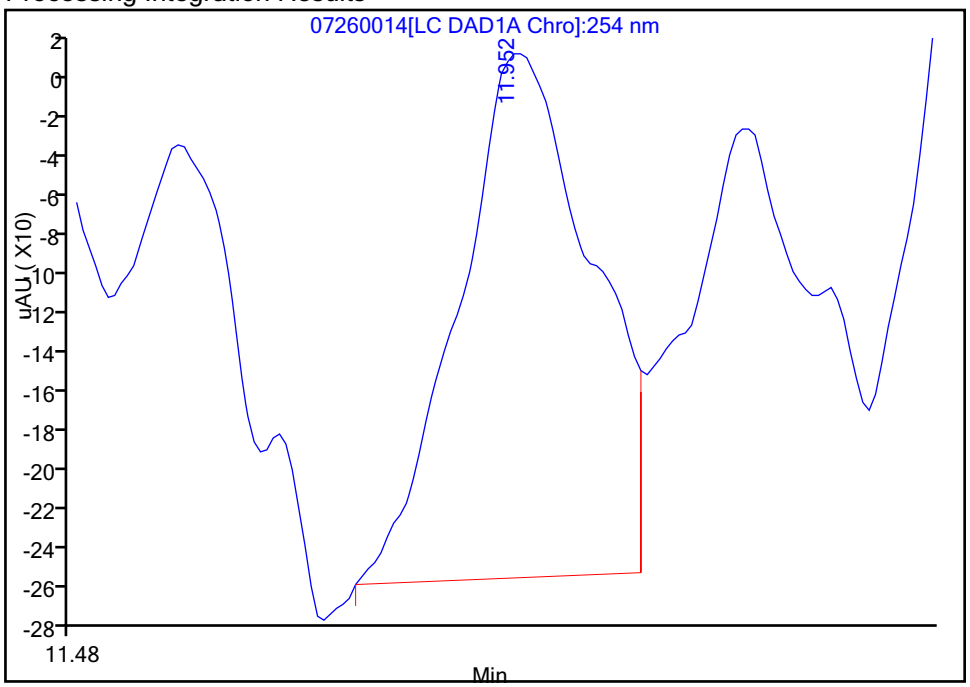
Manual Integration/User Assign Peak Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260014.D		
Injection Date:	26-Jul-2011 22:33:36	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	78309	Lims Sample ID:	14
Operator ID:	mpk	Injection Vol:	100.00 ul

16 2-Amino-4,6-dinitrotoluene, Signal: 1, Type: quant, RT: 11.95, Det: LC DAD1B

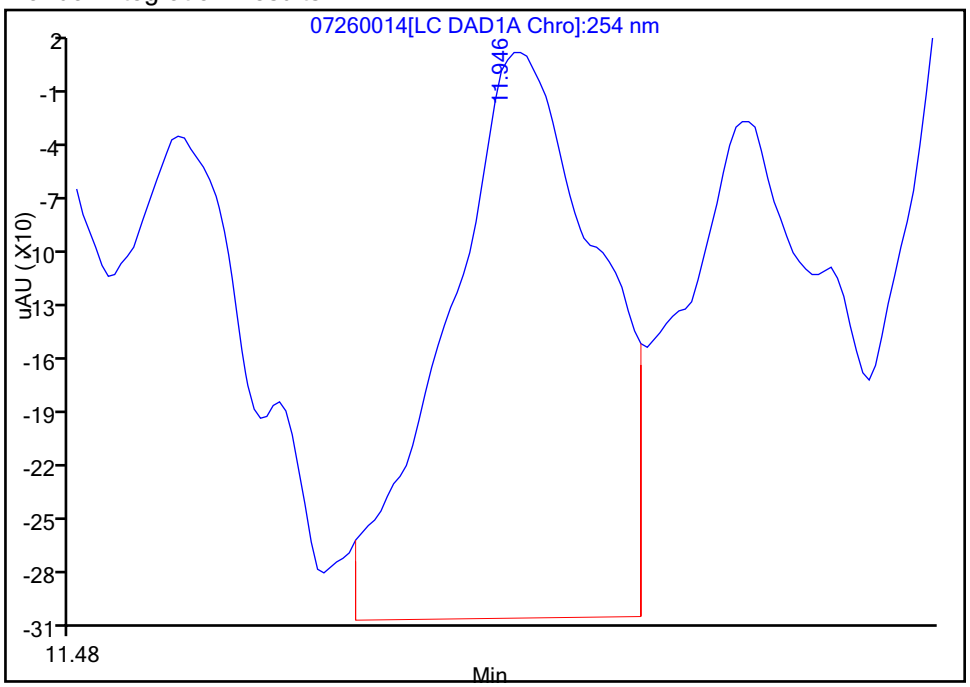
Processing Integration Results

RT: 11.95
Response: 2569
Amount: 0.009910



Manual Integration Results

RT: 11.95
Response: 3397
Amount: 0.010795



Reviewer: kellisonm, 27-Jul-2011 10:34:01
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Report Date: 27-Jul-2011 10:51:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

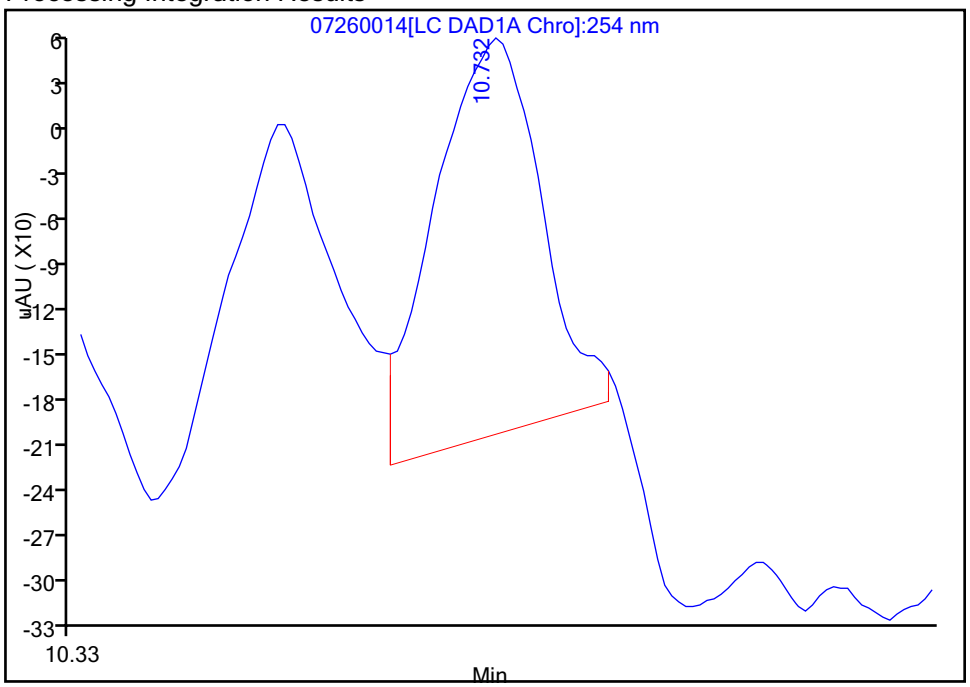
Manual Integration/User Assign Peak Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260014.D		
Injection Date:	26-Jul-2011 22:33:36	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	78309	Lims Sample ID:	14
Operator ID:	mpk	Injection Vol:	100.00 ul

12 Nitrobenzene, Signal: 1, Type: quant, RT: 10.74, Det: LC DAD1B

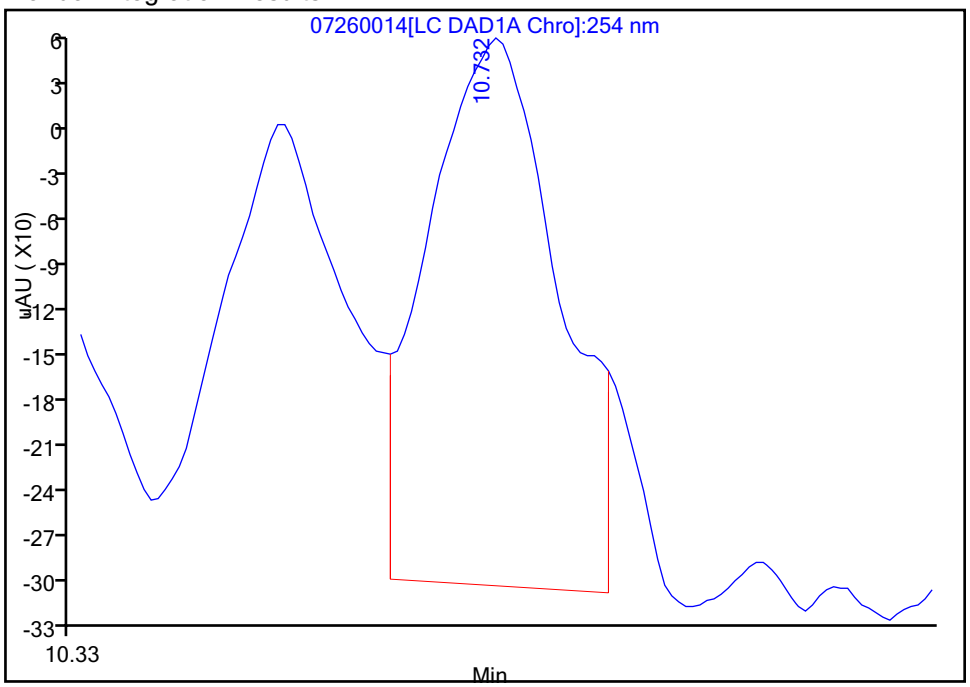
Processing Integration Results

RT: 10.73
Response: 1831
Amount: 0.009825



Manual Integration Results

RT: 10.73
Response: 3077
Amount: 0.008843



Reviewer: kellisonm, 27-Jul-2011 10:34:01
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Report Date: 27-Jul-2011 10:51:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

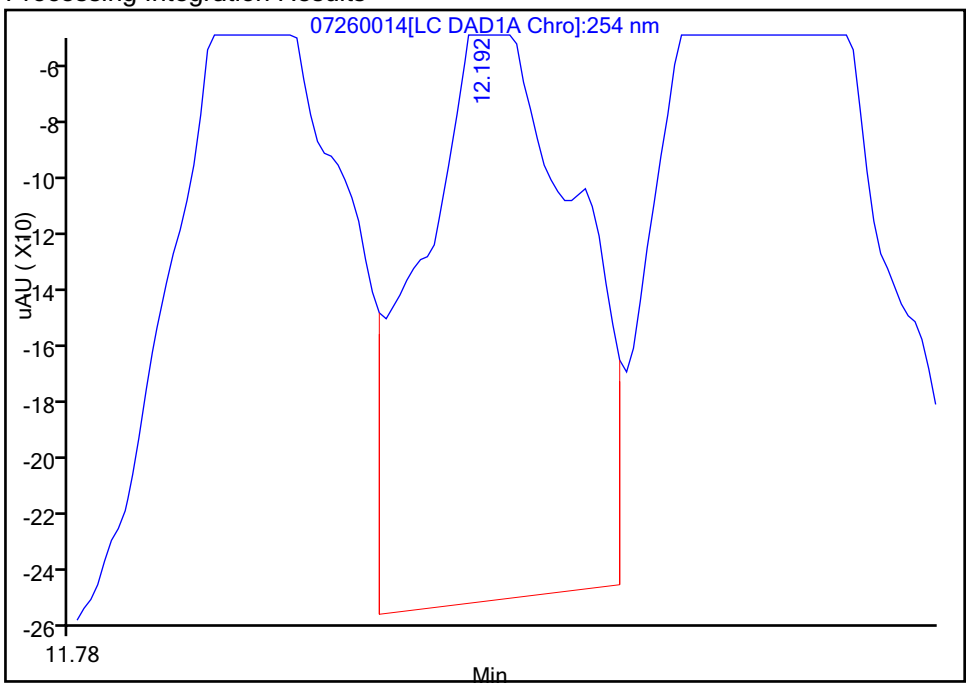
Manual Integration/User Assign Peak Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260014.D		
Injection Date:	26-Jul-2011 22:33:36	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	78309	Lims Sample ID:	14
Operator ID:	mpk	Injection Vol:	100.00 ul

17 2,6-Dinitrotoluene, Signal: 1, Type: quant, RT: 12.20, Det: LC DAD1B

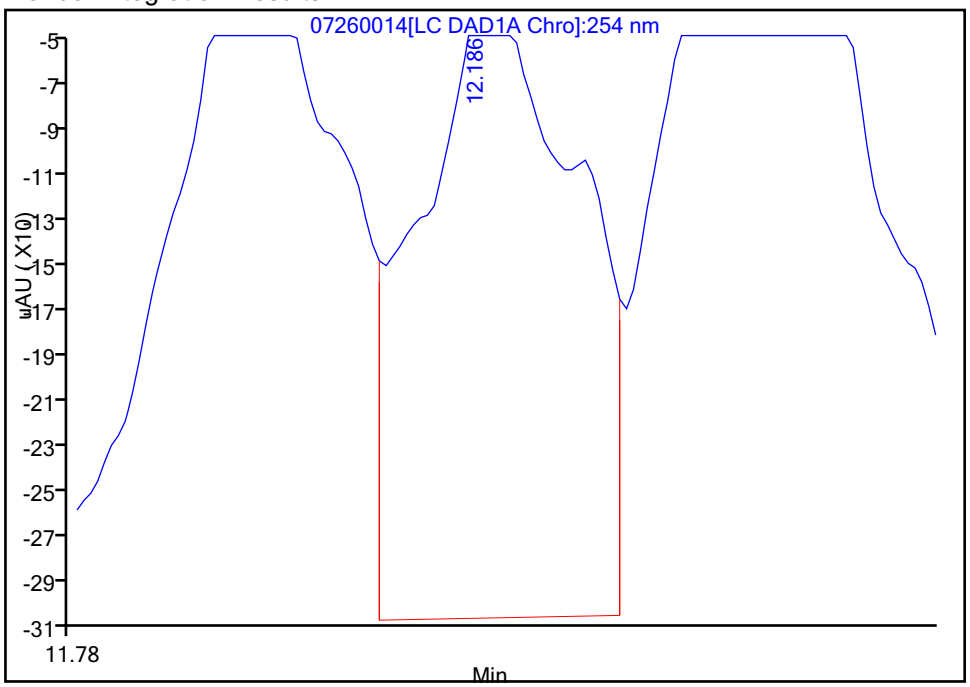
Processing Integration Results

RT: 12.19
Response: 2061
Amount: 0.009387



Manual Integration Results

RT: 12.19
Response: 2789
Amount: 0.010074



Reviewer: kellisonm, 27-Jul-2011 10:34:01
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Lab Sample ID: ICV 280-78309/15 Calibration Date: 07/26/2011 22:59

Instrument ID: CHHPLCX4_C18 Calib Start Date: 07/26/2011 19:29

GC Column: UltraCarb5uODS ID: 4.60(mm) Calib End Date: 07/26/2011 22:33

Lab File ID: 07260015.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-diamino-4-nitrotoluene	Ave	312315	317423		0.407	0.400	1.6	20.0
HMX	Ave	143602	129193		0.360	0.400	-10.0	20.0
2,4-diamino-6-nitrotoluene	Ave	203828	185370		0.364	0.400	-9.1	20.0
MNX	Lin2		201793		358	0.400	-0.9	20.0
RDX	Ave	164227	163453		0.398	0.400	-0.5	20.0
Picric acid	Ave	133183	134168		0.403	0.400	0.7	20.0
1,3,5-Trinitrobenzene	Ave	344835	336385		0.390	0.400	-2.5	20.0
1,3-Dinitrobenzene	Ave	474711	479563		0.404	0.400	1.0	20.0
Tetryl	Ave	242020	267228		0.442	0.400	10.4	20.0
Nitrobenzene	Ave	347969	347795		0.400	0.400	-0.0	20.0
Nitroglycerin	Ave	109376	108228		3.96	4.00	-1.0	20.0
2,4,6-Trinitrotoluene	Ave	317039	320763		0.405	0.400	1.2	20.0
4-Amino-2,6-dinitrotoluene	Ave	238404	253268		0.425	0.400	6.2	20.0
2-Amino-4,6-dinitrotoluene	Ave	314680	313230		0.398	0.400	-0.5	20.0
2,6-Dinitrotoluene	Lin2		229033		0.417	0.400	4.2	20.0
2,4-Dinitrotoluene	Ave	463770	458163		0.395	0.400	-1.2	20.0
2-Nitrotoluene	Lin2		195773		0.390	0.400	-2.5	20.0
4-Nitrotoluene	Lin2		173243		0.391	0.400	-2.3	20.0
PETN	Ave	157050	152631		3.89	4.00	-2.8	20.0
3-Nitrotoluene	Lin2		232003		0.396	0.400	-1.1	20.0
1,2-Dinitrobenzene	Ave	230709	229715		0.398	0.400	-0.4	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Lab Sample ID: ICV 280-78309/15 Calibration Date: 07/26/2011 22:59

Instrument ID: CHHPLCX4_C18 Calib Start Date: 07/26/2011 19:29

GC Column: UltraCarb5uODS ID: 4.60(mm) Calib End Date: 07/26/2011 22:33

Lab File ID: 07260015.D

Analyte	RT	RT WINDOW	
		TO	FROM
2,6-diamino-4-nitrotoluene	7.11	7.01	7.21
HMX	7.32	7.21	7.41
2,4-diamino-6-nitrotoluene	7.43	7.32	7.52
MNX	8.13	8.03	8.23
RDX	8.52	8.41	8.61
Picric acid	8.72	8.64	8.84
1,3,5-Trinitrobenzene	9.46	9.35	9.55
1,3-Dinitrobenzene	10.24	10.14	10.34
Tetryl	10.53	10.43	10.63
Nitrobenzene	10.74	10.64	10.84
Nitroglycerin	10.92	10.82	11.02
2,4,6-Trinitrotoluene	11.42	11.32	11.52
4-Amino-2,6-dinitrotoluene	11.60	11.51	11.71
2-Amino-4,6-dinitrotoluene	11.94	11.85	12.05
2,6-Dinitrotoluene	12.20	12.10	12.30
2,4-Dinitrotoluene	12.44	12.35	12.55
2-Nitrotoluene	13.34	13.25	13.45
4-Nitrotoluene	13.80	13.73	13.93
PETN	14.16	14.09	14.29
3-Nitrotoluene	14.36	14.27	14.47
1,2-Dinitrobenzene	9.58	9.48	9.68

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260015.D		
Lims ID:	ICV 8330	Client ID:	
Inject. Date:	26-Jul-2011 22:59:56	Dil. Factor:	1.0000
Sample Type:	ICV		
Sample ID:	ICV 8330		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	15
Lims Batch ID:	78309	Lims Sample ID:	15
Sublist:			

Method:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\8330_X4.m		
Last Update:	27-Jul-2011 10:50:59	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

First Level Reviewer: kellisonm Date: 27-Jul-2011 10:51:07

	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	1 2,6-diamino-4-nitrotoluene	1	7.108	7.108	0.0	126969	0.4065	
	2 HMX	1	7.315	7.308	0.007	51677	0.3599	
	3 2,4-diamino-6-nitrotoluene	1	7.428	7.421	0.007	74148	0.3638	
	4 MNX	1	8.128	8.128	0.0	80717	0.3965	
	5 RDX	1	8.515	8.514	0.001	65381	0.3981	
	6 2,4,6-Trinitrophenol	1	8.722	8.741	-0.019	53667	0.4030	
	7 1,3,5-Trinitrobenzene	1	9.455	9.454	0.001	134554	0.3902	
E	8 1,2-Dinitrobenzene	1	9.575	9.581	-0.006	91886	0.3983	
	9 1,3-Dinitrobenzene	1	10.242	10.241	0.001	191825	0.4041	
	10 Tetryl	1	10.528	10.534	-0.006	106891	0.4417	
	12 Nitrobenzene	1	10.735	10.741	-0.006	139118	0.3998	
	13 Nitroglycerin	2	10.915	10.921	-0.006	432910	3.96	
	14 2,4,6-Trinitrotoluene	1	11.415	11.421	-0.006	128305	0.4047	
	15 4-Amino-2,6-dinitrotoluene	1	11.595	11.607	-0.012	101307	0.4249	
	16 2-Amino-4,6-dinitrotoluene	1	11.942	11.954	-0.012	125292	0.3982	
	17 2,6-Dinitrotoluene	1	12.195	12.201	-0.006	91613	0.4168	
	18 2,4-Dinitrotoluene	1	12.442	12.454	-0.012	183265	0.3952	
	19 o-Nitrotoluene	1	13.335	13.354	-0.019	78309	0.3900	
	20 p-Nitrotoluene	1	13.802	13.827	-0.025	69297	0.3910	
	21 PETN	2	14.162	14.187	-0.025	610522	3.89	
	22 m-Nitrotoluene	1	14.355	14.374	-0.019	92801	0.3955	

Report Date: 27-Jul-2011 10:51:07 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Denchrom\chromdata\X4_C18\20110726-2256.b\07260015.D

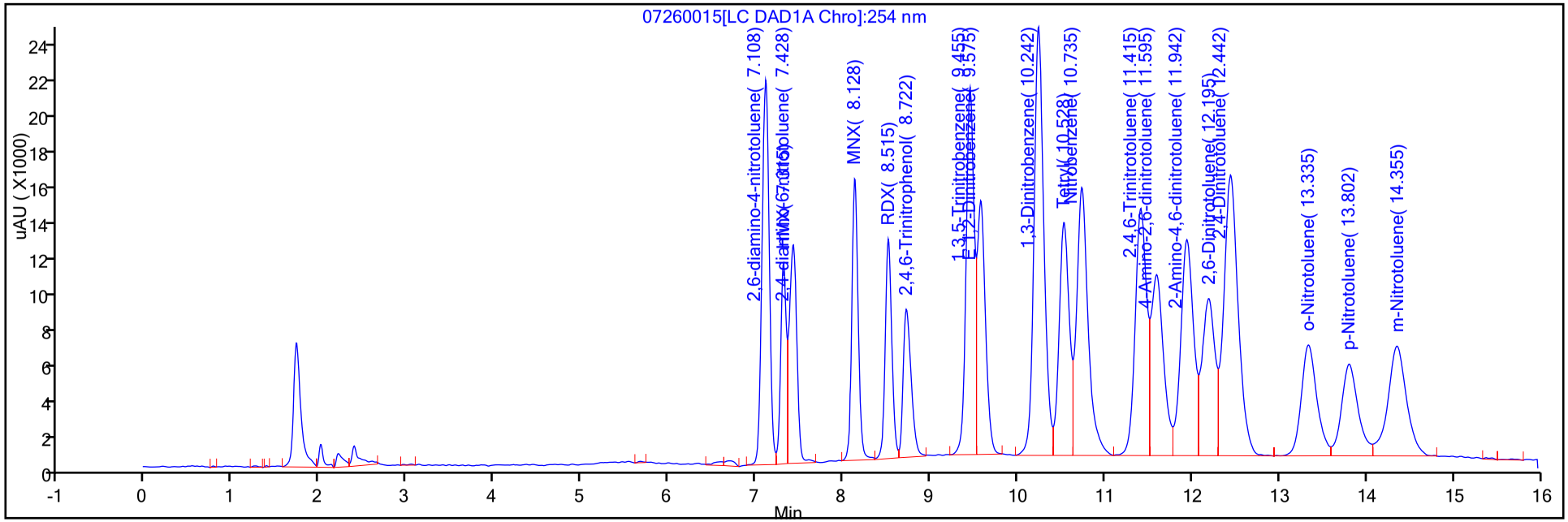
Injection Date: 26-Jul-2011 22:59:56 Limit Group: GCSV - 8330B

Client ID: Instrument ID: CHHPLCX4_C18

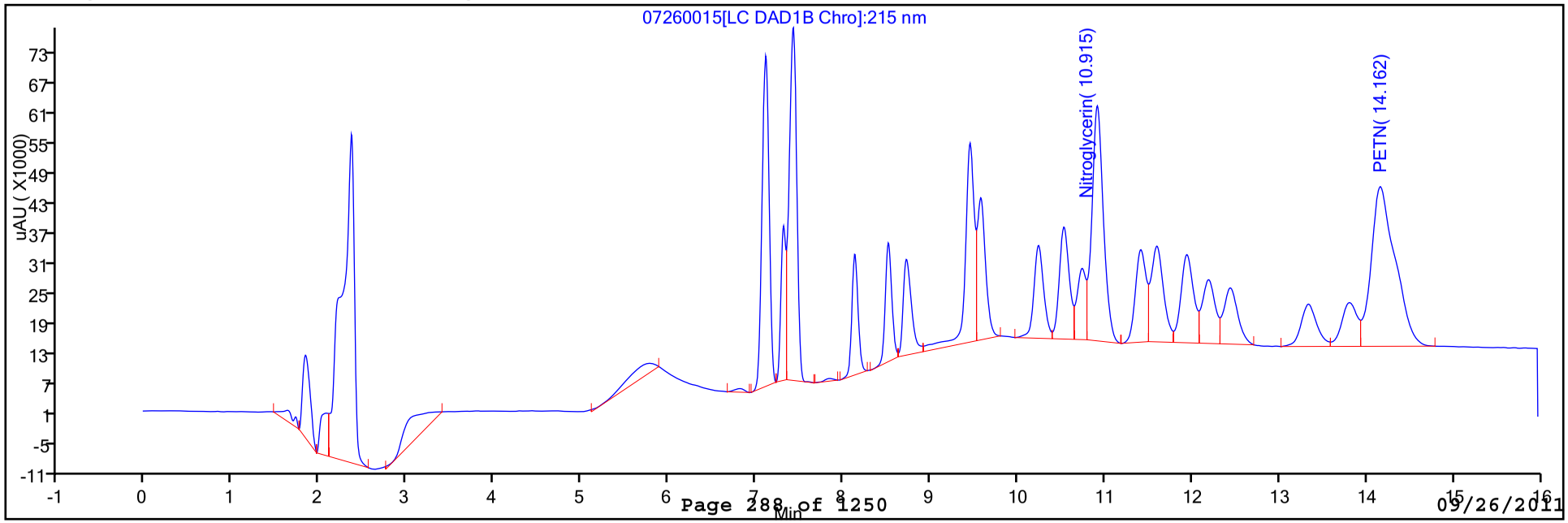
Lims Batch ID: 78309 Lims Sample ID: 15

Operator ID: mpk Injection Vol: 100.00 ul

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



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



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Lab Sample ID: CCV 280-83223/19 Calibration Date: 08/26/2011 17:34

Instrument ID: CHHPLCX4_C18 Calib Start Date: 07/26/2011 19:29

GC Column: UltraCarb5uODS ID: 4.60(mm) Calib End Date: 07/26/2011 22:33

Lab File ID: 08260019.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-diamino-4-nitrotoluene	Ave	312315	314604		0.252	0.250	0.7	20.0
HMX	Ave	143602	133372		0.232	0.250	-7.1	20.0
2,4-diamino-6-nitrotoluene	Ave	203828	220132		0.270	0.250	8.0	20.0
MNX	Lin2		203096		358	0.250	-1.0	20.0
RDX	Ave	164227	161788		0.246	0.250	-1.5	20.0
Picric acid	Ave	133183	142128		0.267	0.250	6.7	20.0
1,3,5-Trinitrobenzene	Ave	344835	348604		0.253	0.250	1.1	20.0
1,3-Dinitrobenzene	Ave	474711	491416		0.259	0.250	3.5	20.0
Tetryl	Ave	242020	253628		0.262	0.250	4.8	20.0
Nitrobenzene	Ave	347969	375604		0.270	0.250	7.9	20.0
Nitroglycerin	Ave	109376	114829		2.62	2.50	5.0	20.0
2,4,6-Trinitrotoluene	Ave	317039	317008		0.250	0.250	-0.0	20.0
4-Amino-2,6-dinitrotoluene	Ave	238404	254328		0.267	0.250	6.7	20.0
2-Amino-4,6-dinitrotoluene	Ave	314680	321884		0.256	0.250	2.3	20.0
2,6-Dinitrotoluene	Lin2		224788		0.255	0.250	1.8	20.0
2,4-Dinitrotoluene	Ave	463770	476696		0.257	0.250	2.8	20.0
2-Nitrotoluene	Lin2		205348		0.255	0.250	1.8	20.0
4-Nitrotoluene	Lin2		183284		0.257	0.250	2.8	20.0
PETN	Ave	157050	157080		2.50	2.50	0.0	20.0
3-Nitrotoluene	Lin2		240792		0.256	0.250	2.2	20.0
1,2-Dinitrobenzene	Ave	230709	256008		0.277	0.250	11.0	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Lab Sample ID: CCV 280-83223/19 Calibration Date: 08/26/2011 17:34

Instrument ID: CHHPLCX4_C18 Calib Start Date: 07/26/2011 19:29

GC Column: UltraCarb5uODS ID: 4.60(mm) Calib End Date: 07/26/2011 22:33

Lab File ID: 08260019.D

Analyte	RT	RT WINDOW	
		TO	FROM
2,6-diamino-4-nitrotoluene	7.09	6.99	7.19
HMX	7.29	7.19	7.39
2,4-diamino-6-nitrotoluene	7.41	7.31	7.51
MNX	8.10	8.00	8.20
RDX	8.49	8.39	8.59
Picric acid	8.68	8.58	8.78
1,3,5-Trinitrobenzene	9.43	9.33	9.53
1,3-Dinitrobenzene	10.20	10.10	10.30
Tetryl	10.49	10.39	10.59
Nitrobenzene	10.70	10.60	10.80
Nitroglycerin	10.87	10.77	10.97
2,4,6-Trinitrotoluene	11.37	11.27	11.47
4-Amino-2,6-dinitrotoluene	11.54	11.44	11.64
2-Amino-4,6-dinitrotoluene	11.88	11.78	11.98
2,6-Dinitrotoluene	12.14	12.04	12.24
2,4-Dinitrotoluene	12.39	12.29	12.49
2-Nitrotoluene	13.29	13.19	13.39
4-Nitrotoluene	13.76	13.66	13.86
PETN	14.10	14.00	14.20
3-Nitrotoluene	14.30	14.20	14.40
1,2-Dinitrobenzene	9.54	9.44	9.64

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260019.D		
Lims ID:	CCV 8330	Client ID:	
Inject. Date:	26-Aug-2011 17:34:19	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV 8330		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	7
Lims Batch ID:	83223	Lims Sample ID:	19
Sublist:	chrom-8330_X4*sub1		
Method:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\8330_X4.m		
Last Update:	29-Aug-2011 08:27:25	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

First Level Reviewer: kellisonm Date: 29-Aug-2011 08:27:25

	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	1 2,6-diamino-4-nitrotoluene	1	7.087	7.087	0.0	78651	0.2518	
	2 HMX	1	7.287	7.287	0.0	33343	0.2322	
	3 2,4-diamino-6-nitrotoluene	1	7.407	7.407	0.0	55033	0.2700	
	4 MNX	1	8.101	8.101	0.0	50774	0.2475	
	5 RDX	1	8.487	8.487	0.0	40447	0.2463	
	6 2,4,6-Trinitrophenol	1	8.681	8.681	0.0	35532	0.2668	
	7 1,3,5-Trinitrobenzene	1	9.427	9.427	0.0	87151	0.2527	
E	8 1,2-Dinitrobenzene	1	9.540	9.540	0.0	64002	0.2774	
	9 1,3-Dinitrobenzene	1	10.200	10.200	0.0	122854	0.2588	
	10 Tetryl	1	10.487	10.487	0.0	63407	0.2620	
	12 Nitrobenzene	1	10.700	10.700	0.0	93901	0.2699	
	13 Nitroglycerin	2	10.867	10.867	0.0	287073	2.62	
	14 2,4,6-Trinitrotoluene	1	11.374	11.374	0.0	79252	0.2500	
	15 4-Amino-2,6-dinitrotoluene	1	11.540	11.540	0.0	63582	0.2667	
	16 2-Amino-4,6-dinitrotoluene	1	11.880	11.880	0.0	80471	0.2557	
	17 2,6-Dinitrotoluene	1	12.140	12.140	0.0	56197	0.2546	
	18 2,4-Dinitrotoluene	1	12.394	12.394	0.0	119174	0.2570	
	19 o-Nitrotoluene	1	13.287	13.287	0.0	51337	0.2545	
	20 p-Nitrotoluene	1	13.760	13.760	0.0	45821	0.2570	
	21 PETN	2	14.100	14.100	0.0	392700	2.50	
	22 m-Nitrotoluene	1	14.300	14.300	0.0	60198	0.2555	

Report Date: 29-Aug-2011 08:27:26 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Denchrom\chromdata\X4_C18\20110826-2399.b\08260019.D

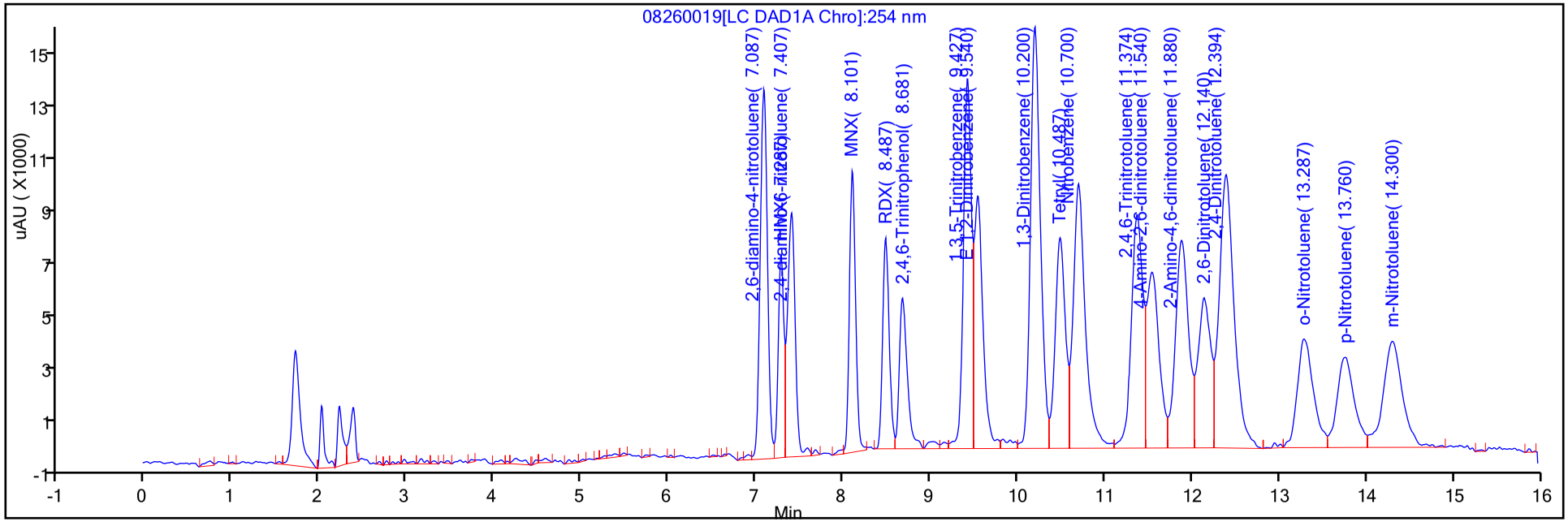
Injection Date: 26-Aug-2011 17:34:19 Limit Group: GCSV - 8330B

Client ID: Instrument ID: CHHPLCX4_C18

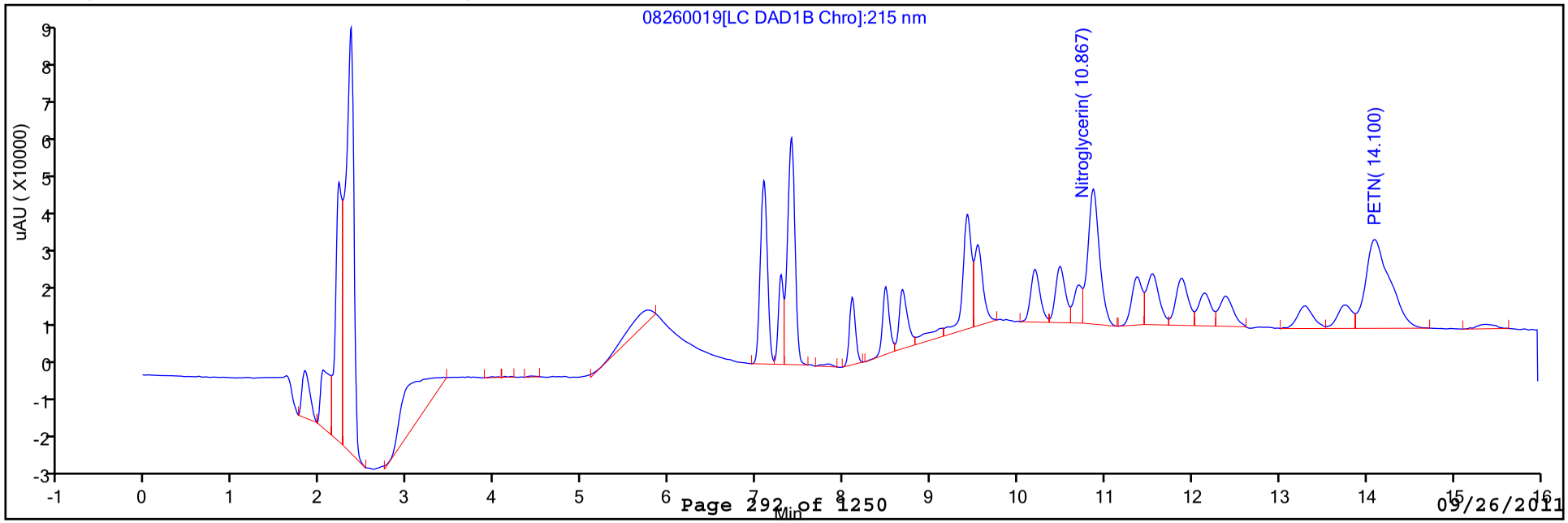
Lims Batch ID: 83223 Lims Sample ID: 19

Operator ID: mpk Injection Vol: 100.00 ul

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



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



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Lab Sample ID: CCV 280-83223/31 Calibration Date: 08/26/2011 22:50

Instrument ID: CHHPLCX4_C18 Calib Start Date: 07/26/2011 19:29

GC Column: UltraCarb5uODS ID: 4.60(mm) Calib End Date: 07/26/2011 22:33

Lab File ID: 08260031.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-diamino-4-nitrotoluene	Ave	312315	310268		0.248	0.250	-0.7	20.0
HMX	Ave	143602	128448		0.224	0.250	-10.6	20.0
2,4-diamino-6-nitrotoluene	Ave	203828	215648		0.265	0.250	5.8	20.0
MNX	Lin2		202536		358	0.250	-1.3	20.0
RDX	Ave	164227	161116		0.245	0.250	-1.9	20.0
Picric acid	Ave	133183	132560		0.249	0.250	-0.5	20.0
1,3,5-Trinitrobenzene	Ave	344835	337848		0.245	0.250	-2.0	20.0
1,3-Dinitrobenzene	Ave	474711	476824		0.251	0.250	0.4	20.0
Tetryl	Ave	242020	240516		0.248	0.250	-0.6	20.0
Nitrobenzene	Ave	347969	358336		0.257	0.250	3.0	20.0
Nitroglycerin	Ave	109376	114458		2.62	2.50	4.6	20.0
2,4,6-Trinitrotoluene	Ave	317039	309172		0.244	0.250	-2.5	20.0
4-Amino-2,6-dinitrotoluene	Ave	238404	245996		0.258	0.250	3.2	20.0
2-Amino-4,6-dinitrotoluene	Ave	314680	313692		0.249	0.250	-0.3	20.0
2,6-Dinitrotoluene	Lin2		215816		0.244	0.250	-2.3	20.0
2,4-Dinitrotoluene	Ave	463770	470964		0.254	0.250	1.6	20.0
2-Nitrotoluene	Lin2		199168		0.247	0.250	-1.3	20.0
4-Nitrotoluene	Lin2		177060		0.248	0.250	-0.8	20.0
PETN	Ave	157050	155063		2.47	2.50	-1.3	20.0
3-Nitrotoluene	Lin2		237072		0.252	0.250	0.6	20.0
1,2-Dinitrobenzene	Ave	230709	236572		0.256	0.250	2.5	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Lab Sample ID: CCV 280-83223/31 Calibration Date: 08/26/2011 22:50

Instrument ID: CHHPLCX4_C18 Calib Start Date: 07/26/2011 19:29

GC Column: UltraCarb5uODS ID: 4.60(mm) Calib End Date: 07/26/2011 22:33

Lab File ID: 08260031.D

Analyte	RT	RT WINDOW	
		TO	FROM
2,6-diamino-4-nitrotoluene	7.08	6.98	7.18
HMX	7.28	7.18	7.38
2,4-diamino-6-nitrotoluene	7.40	7.30	7.50
MNX	8.10	8.00	8.20
RDX	8.48	8.38	8.58
Picric acid	8.68	8.58	8.78
1,3,5-Trinitrobenzene	9.42	9.32	9.52
1,3-Dinitrobenzene	10.20	10.10	10.30
Tetryl	10.48	10.38	10.58
Nitrobenzene	10.70	10.60	10.80
Nitroglycerin	10.86	10.76	10.96
2,4,6-Trinitrotoluene	11.36	11.26	11.46
4-Amino-2,6-dinitrotoluene	11.54	11.44	11.64
2-Amino-4,6-dinitrotoluene	11.88	11.78	11.98
2,6-Dinitrotoluene	12.14	12.04	12.24
2,4-Dinitrotoluene	12.38	12.28	12.48
2-Nitrotoluene	13.28	13.18	13.38
4-Nitrotoluene	13.74	13.64	13.84
PETN	14.08	13.98	14.18
3-Nitrotoluene	14.29	14.19	14.39
1,2-Dinitrobenzene	9.54	9.44	9.64

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260031.D		
Lims ID:	CCV 8330	Client ID:	
Inject. Date:	26-Aug-2011 22:50:03	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV 8330		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	7
Lims Batch ID:	83223	Lims Sample ID:	31
Sublist:	chrom-8330_X4*sub1		
Method:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\8330_X4.m		
Last Update:	29-Aug-2011 08:28:03	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

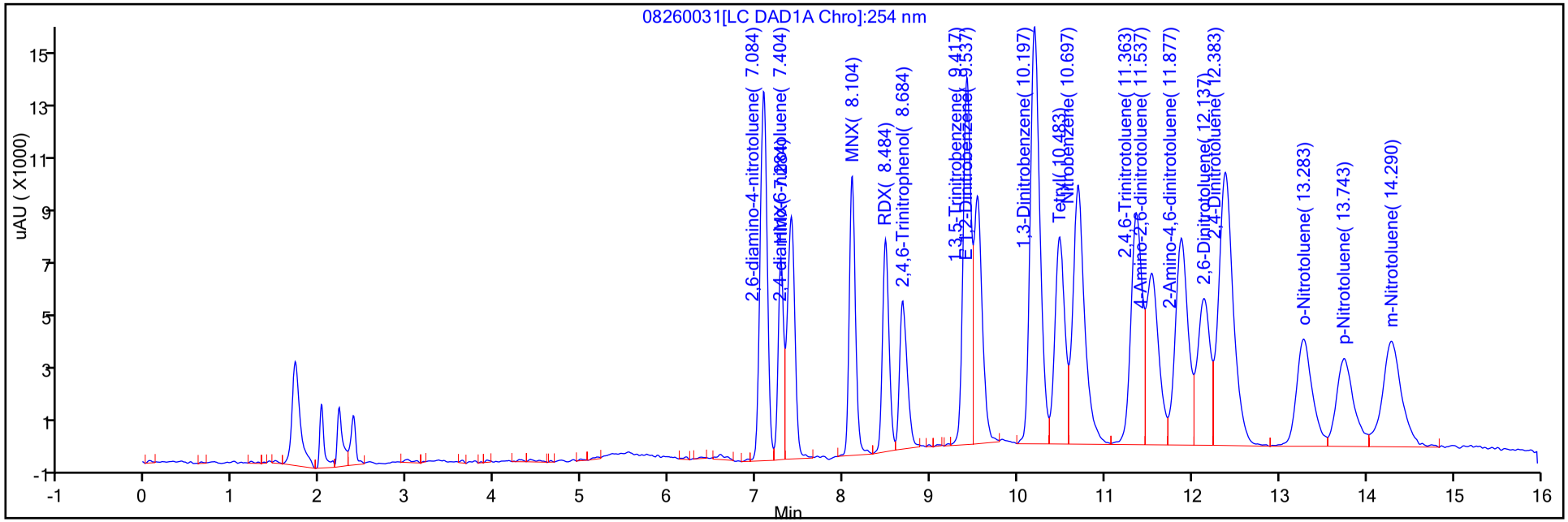
First Level Reviewer: kellisonm Date: 29-Aug-2011 08:28:03

	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	1 2,6-diamino-4-nitrotoluene	1	7.084	7.084	0.0	77567	0.2484	
	2 HMX	1	7.284	7.284	0.0	32112	0.2236	
	3 2,4-diamino-6-nitrotoluene	1	7.404	7.404	0.0	53912	0.2645	
	4 MNX	1	8.104	8.104	0.0	50634	0.2468	
	5 RDX	1	8.484	8.484	0.0	40279	0.2453	
	6 2,4,6-Trinitrophenol	1	8.684	8.684	0.0	33140	0.2488	
	7 1,3,5-Trinitrobenzene	1	9.417	9.417	0.0	84462	0.2449	
E	8 1,2-Dinitrobenzene	1	9.537	9.537	0.0	59143	0.2564	
	9 1,3-Dinitrobenzene	1	10.197	10.197	0.0	119206	0.2511	
	10 Tetryl	1	10.483	10.483	0.0	60129	0.2484	
	12 Nitrobenzene	1	10.697	10.697	0.0	89584	0.2574	
	13 Nitroglycerin	2	10.863	10.863	0.0	286146	2.62	
	14 2,4,6-Trinitrotoluene	1	11.363	11.363	0.0	77293	0.2438	
	15 4-Amino-2,6-dinitrotoluene	1	11.537	11.537	0.0	61499	0.2580	
	16 2-Amino-4,6-dinitrotoluene	1	11.877	11.877	0.0	78423	0.2492	
	17 2,6-Dinitrotoluene	1	12.137	12.137	0.0	53954	0.2443	
	18 2,4-Dinitrotoluene	1	12.383	12.383	0.0	117741	0.2539	
	19 o-Nitrotoluene	1	13.283	13.283	0.0	49792	0.2468	
	20 p-Nitrotoluene	1	13.743	13.743	0.0	44265	0.2481	
	21 PETN	2	14.083	14.083	0.0	387658	2.47	
	22 m-Nitrotoluene	1	14.290	14.290	0.0	59268	0.2515	

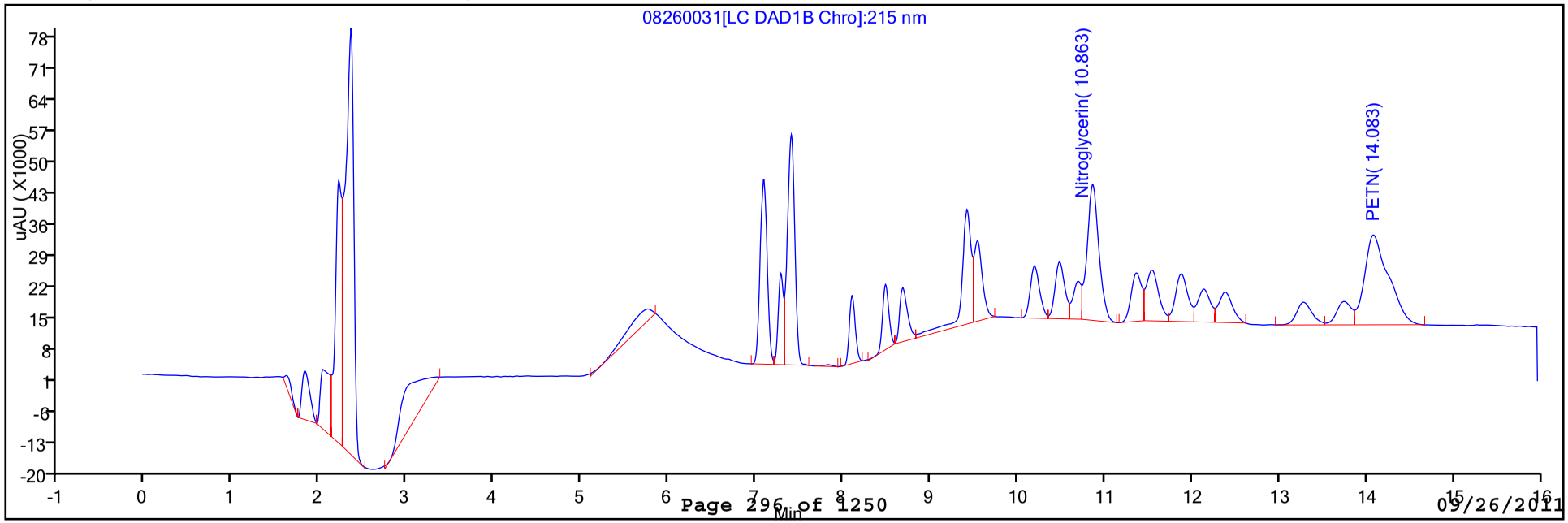
Report Date: 29-Aug-2011 08:28:03 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260031.D		
Injection Date:	26-Aug-2011 22:50:03	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	83223	Lims Sample ID:	31
Operator ID:	mpk	Injection Vol:	100.00 ul

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



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



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Lab Sample ID: CCV 280-83223/43 Calibration Date: 08/27/2011 04:05

Instrument ID: CHHPLCX4_C18 Calib Start Date: 07/26/2011 19:29

GC Column: UltraCarb5uODS ID: 4.60(mm) Calib End Date: 07/26/2011 22:33

Lab File ID: 08260043.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-diamino-4-nitrotoluene	Ave	312315	304564		0.244	0.250	-2.5	20.0
HMX	Ave	143602	130184		0.227	0.250	-9.3	20.0
2,4-diamino-6-nitrotoluene	Ave	203828	208324		0.256	0.250	2.2	20.0
MNX	Lin2		210192		358	0.250	2.5	20.0
RDX	Ave	164227	166308		0.253	0.250	1.3	20.0
Picric acid	Ave	133183	135284		0.254	0.250	1.6	20.0
1,3,5-Trinitrobenzene	Ave	344835	338644		0.246	0.250	-1.8	20.0
1,3-Dinitrobenzene	Ave	474711	477964		0.252	0.250	0.7	20.0
Tetryl	Ave	242020	244024		0.252	0.250	0.8	20.0
Nitrobenzene	Ave	347969	352660		0.253	0.250	1.3	20.0
Nitroglycerin	Ave	109376	114717		2.62	2.50	4.9	20.0
2,4,6-Trinitrotoluene	Ave	317039	308536		0.243	0.250	-2.7	20.0
4-Amino-2,6-dinitrotoluene	Ave	238404	244660		0.257	0.250	2.6	20.0
2-Amino-4,6-dinitrotoluene	Ave	314680	313388		0.249	0.250	-0.4	20.0
2,6-Dinitrotoluene	Lin2		217856		0.247	0.250	-1.3	20.0
2,4-Dinitrotoluene	Ave	463770	459392		0.248	0.250	-0.9	20.0
2-Nitrotoluene	Lin2		197644		0.245	0.250	-2.0	20.0
4-Nitrotoluene	Lin2		180456		0.253	0.250	1.2	20.0
PETN	Ave	157050	152548		2.43	2.50	-2.9	20.0
3-Nitrotoluene	Lin2		236000		0.250	0.250	0.1	20.0
1,2-Dinitrobenzene	Ave	230709	238736		0.259	0.250	3.5	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Lab Sample ID: CCV 280-83223/43 Calibration Date: 08/27/2011 04:05

Instrument ID: CHHPLCX4_C18 Calib Start Date: 07/26/2011 19:29

GC Column: UltraCarb5uODS ID: 4.60(mm) Calib End Date: 07/26/2011 22:33

Lab File ID: 08260043.D

Analyte	RT	RT WINDOW	
		TO	FROM
2,6-diamino-4-nitrotoluene	7.09	6.99	7.19
HMX	7.28	7.18	7.38
2,4-diamino-6-nitrotoluene	7.40	7.30	7.50
MNX	8.10	8.00	8.20
RDX	8.48	8.38	8.58
Picric acid	8.68	8.58	8.78
1,3,5-Trinitrobenzene	9.41	9.31	9.51
1,3-Dinitrobenzene	10.19	10.09	10.29
Tetryl	10.47	10.37	10.57
Nitrobenzene	10.69	10.59	10.79
Nitroglycerin	10.85	10.75	10.95
2,4,6-Trinitrotoluene	11.35	11.25	11.45
4-Amino-2,6-dinitrotoluene	11.53	11.43	11.63
2-Amino-4,6-dinitrotoluene	11.87	11.77	11.97
2,6-Dinitrotoluene	12.13	12.03	12.23
2,4-Dinitrotoluene	12.37	12.27	12.47
2-Nitrotoluene	13.27	13.17	13.37
4-Nitrotoluene	13.73	13.63	13.83
PETN	14.06	13.96	14.16
3-Nitrotoluene	14.27	14.17	14.37
1,2-Dinitrobenzene	9.53	9.43	9.63

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260043.D		
Lims ID:	CCV 8330	Client ID:	
Inject. Date:	27-Aug-2011 04:05:46	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV 8330		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	7
Lims Batch ID:	83223	Lims Sample ID:	43
Sublist:	chrom-8330_X4*sub1		
Method:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\8330_X4.m		
Last Update:	29-Aug-2011 13:07:04	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

First Level Reviewer: kellisonm Date: 29-Aug-2011 13:07:04

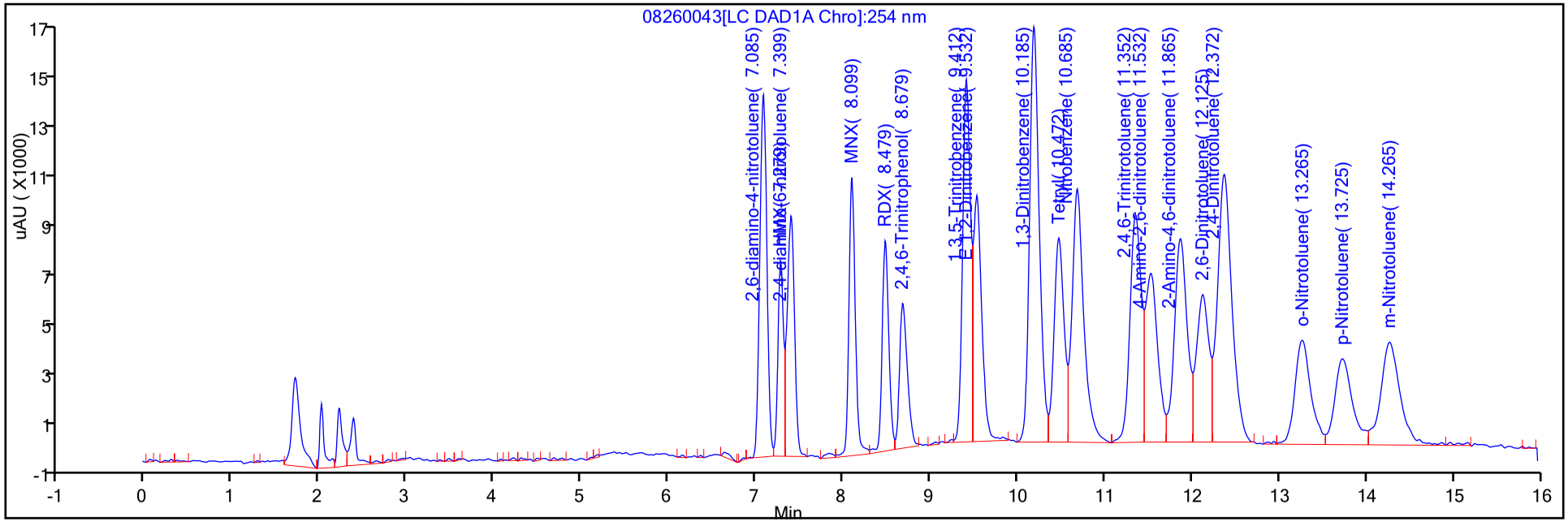
	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	1 2,6-diamino-4-nitrotoluene	1	7.085	7.085	0.0	76141	0.2438	
	2 HMX	1	7.279	7.279	0.0	32546	0.2266	
	3 2,4-diamino-6-nitrotoluene	1	7.399	7.399	0.0	52081	0.2555	
	4 MNX	1	8.099	8.099	0.0	52548	0.2563	
	5 RDX	1	8.479	8.479	0.0	41577	0.2532	
	6 2,4,6-Trinitrophenol	1	8.679	8.679	0.0	33821	0.2539	
	7 1,3,5-Trinitrobenzene	1	9.412	9.412	0.0	84661	0.2455	
E	8 1,2-Dinitrobenzene	1	9.532	9.532	0.0	59684	0.2587	
	9 1,3-Dinitrobenzene	1	10.185	10.185	0.0	119491	0.2517	
	10 Tetryl	1	10.472	10.472	0.0	61006	0.2521	
	12 Nitrobenzene	1	10.685	10.685	0.0	88165	0.2534	
	13 Nitroglycerin	2	10.852	10.852	0.0	286792	2.62	
	14 2,4,6-Trinitrotoluene	1	11.352	11.352	0.0	77134	0.2433	
	15 4-Amino-2,6-dinitrotoluene	1	11.532	11.532	0.0	61165	0.2566	
	16 2-Amino-4,6-dinitrotoluene	1	11.865	11.865	0.0	78347	0.2490	
	17 2,6-Dinitrotoluene	1	12.125	12.125	0.0	54464	0.2467	
	18 2,4-Dinitrotoluene	1	12.372	12.372	0.0	114848	0.2476	
	19 o-Nitrotoluene	1	13.265	13.265	0.0	49411	0.2449	
	20 p-Nitrotoluene	1	13.725	13.725	0.0	45114	0.2529	
	21 PETN	2	14.059	14.059	0.0	381371	2.43	
	22 m-Nitrotoluene	1	14.265	14.265	0.0	59000	0.2503	

Report Date: 29-Aug-2011 13:07:05 Chrom Revision: 1.2 13-Jul-2011 10:43:06

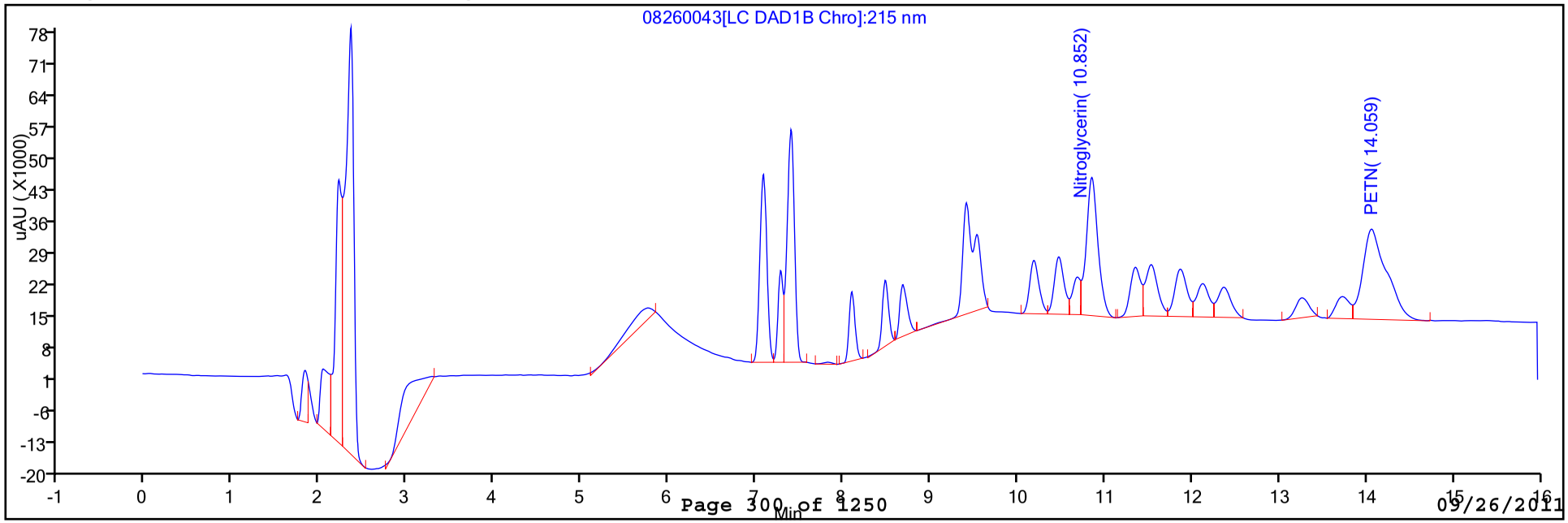
Data File: \\Denchrom\chromdata\X4_C18\20110826-2399.b\08260043.D

Injection Date:	27-Aug-2011 04:05:46	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	83223	Lims Sample ID:	43
Operator ID:	mpk	Injection Vol:	100.00 ul

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



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



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Lab Sample ID: CCV 280-83223/55 Calibration Date: 08/27/2011 09:21

Instrument ID: CHHPLCX4_C18 Calib Start Date: 07/26/2011 19:29

GC Column: UltraCarb5uODS ID: 4.60(mm) Calib End Date: 07/26/2011 22:33

Lab File ID: 08260055.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-diamino-4-nitrotoluene	Ave	312315	307560		0.246	0.250	-1.5	20.0
HMX	Ave	143602	130576		0.227	0.250	-9.1	20.0
2,4-diamino-6-nitrotoluene	Ave	203828	211668		0.260	0.250	3.8	20.0
MNX	Lin2		204056		358	0.250	-0.5	20.0
RDX	Ave	164227	165836		0.252	0.250	1.0	20.0
Picric acid	Ave	133183	139552		0.262	0.250	4.8	20.0
1,3,5-Trinitrobenzene	Ave	344835	343800		0.249	0.250	-0.3	20.0
1,3-Dinitrobenzene	Ave	474711	480264		0.253	0.250	1.2	20.0
Tetryl	Ave	242020	242400		0.250	0.250	0.2	20.0
Nitrobenzene	Ave	347969	354356		0.255	0.250	1.8	20.0
Nitroglycerin	Ave	109376	114004		2.61	2.50	4.2	20.0
2,4,6-Trinitrotoluene	Ave	317039	305076		0.241	0.250	-3.8	20.0
4-Amino-2,6-dinitrotoluene	Ave	238404	247084		0.259	0.250	3.6	20.0
2-Amino-4,6-dinitrotoluene	Ave	314680	307792		0.245	0.250	-2.2	20.0
2,6-Dinitrotoluene	Lin2		214692		0.243	0.250	-2.8	20.0
2,4-Dinitrotoluene	Ave	463770	460348		0.248	0.250	-0.7	20.0
2-Nitrotoluene	Lin2		195496		0.242	0.250	-3.1	20.0
4-Nitrotoluene	Lin2		179140		0.251	0.250	0.4	20.0
PETN	Ave	157050	156313		2.49	2.50	-0.5	20.0
3-Nitrotoluene	Lin2		231620		0.246	0.250	-1.8	20.0
1,2-Dinitrobenzene	Ave	230709	228968		0.248	0.250	-0.8	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Lab Sample ID: CCV 280-83223/55 Calibration Date: 08/27/2011 09:21

Instrument ID: CHHPLCX4_C18 Calib Start Date: 07/26/2011 19:29

GC Column: UltraCarb5uODS ID: 4.60(mm) Calib End Date: 07/26/2011 22:33

Lab File ID: 08260055.D

Analyte	RT	RT WINDOW	
		TO	FROM
2,6-diamino-4-nitrotoluene	7.08	6.98	7.18
HMX	7.28	7.18	7.38
2,4-diamino-6-nitrotoluene	7.40	7.30	7.50
MNX	8.10	8.00	8.20
RDX	8.48	8.38	8.58
Picric acid	8.68	8.58	8.78
1,3,5-Trinitrobenzene	9.41	9.31	9.51
1,3-Dinitrobenzene	10.18	10.08	10.28
Tetryl	10.46	10.36	10.56
Nitrobenzene	10.68	10.58	10.78
Nitroglycerin	10.84	10.74	10.94
2,4,6-Trinitrotoluene	11.35	11.25	11.45
4-Amino-2,6-dinitrotoluene	11.52	11.42	11.62
2-Amino-4,6-dinitrotoluene	11.86	11.76	11.96
2,6-Dinitrotoluene	12.12	12.02	12.22
2,4-Dinitrotoluene	12.36	12.26	12.46
2-Nitrotoluene	13.26	13.16	13.36
4-Nitrotoluene	13.72	13.62	13.82
PETN	14.05	13.95	14.15
3-Nitrotoluene	14.27	14.17	14.37
1,2-Dinitrobenzene	9.53	9.43	9.63

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260055.D		
Lims ID:	CCV 8330	Client ID:	
Inject. Date:	27-Aug-2011 09:21:39	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV 8330		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	7
Lims Batch ID:	83223	Lims Sample ID:	55
Sublist:	chrom-8330_X4*sub1		
Method:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\8330_X4.m		
Last Update:	29-Aug-2011 13:07:32	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

First Level Reviewer: kellisonm Date: 29-Aug-2011 13:07:32

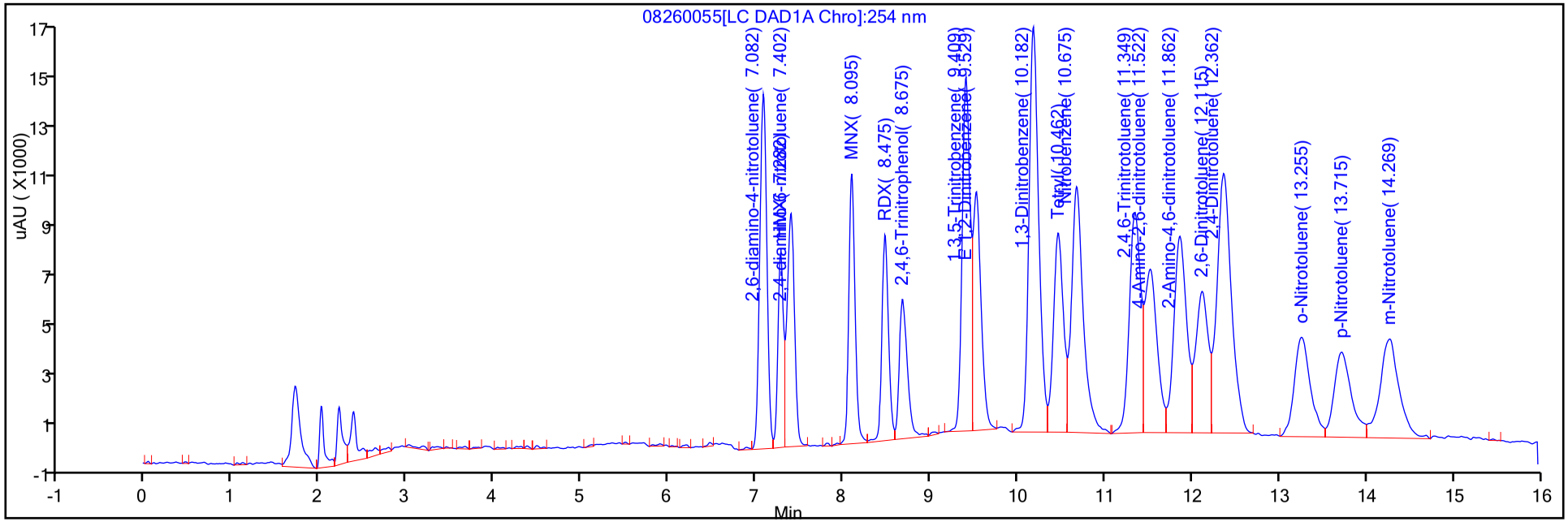
	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	1 2,6-diamino-4-nitrotoluene	1	7.082	7.082	0.0	76890	0.2462	
	2 HMX	1	7.282	7.282	0.0	32644	0.2273	
	3 2,4-diamino-6-nitrotoluene	1	7.402	7.402	0.0	52917	0.2596	
	4 MNX	1	8.095	8.095	0.0	51014	0.2487	
	5 RDX	1	8.475	8.475	0.0	41459	0.2524	
	6 2,4,6-Trinitrophenol	1	8.675	8.675	0.0	34888	0.2620	
	7 1,3,5-Trinitrobenzene	1	9.409	9.409	0.0	85950	0.2492	
E	8 1,2-Dinitrobenzene	1	9.529	9.529	0.0	57242	0.2481	
	9 1,3-Dinitrobenzene	1	10.182	10.182	0.0	120066	0.2529	
	10 Tetryl	1	10.462	10.462	0.0	60600	0.2504	
	12 Nitrobenzene	1	10.675	10.675	0.0	88589	0.2546	
	13 Nitroglycerin	2	10.842	10.842	0.0	285010	2.61	
	14 2,4,6-Trinitrotoluene	1	11.349	11.349	0.0	76269	0.2406	
	15 4-Amino-2,6-dinitrotoluene	1	11.522	11.522	0.0	61771	0.2591	
	16 2-Amino-4,6-dinitrotoluene	1	11.862	11.862	0.0	76948	0.2445	
	17 2,6-Dinitrotoluene	1	12.115	12.115	0.0	53673	0.2431	
	18 2,4-Dinitrotoluene	1	12.362	12.362	0.0	115087	0.2482	
	19 o-Nitrotoluene	1	13.255	13.255	0.0	48874	0.2422	
	20 p-Nitrotoluene	1	13.715	13.715	0.0	44785	0.2511	
	21 PETN	2	14.049	14.049	0.0	390783	2.49	
	22 m-Nitrotoluene	1	14.269	14.269	0.0	57905	0.2456	

Report Date: 29-Aug-2011 13:07:33 Chrom Revision: 1.2 13-Jul-2011 10:43:06

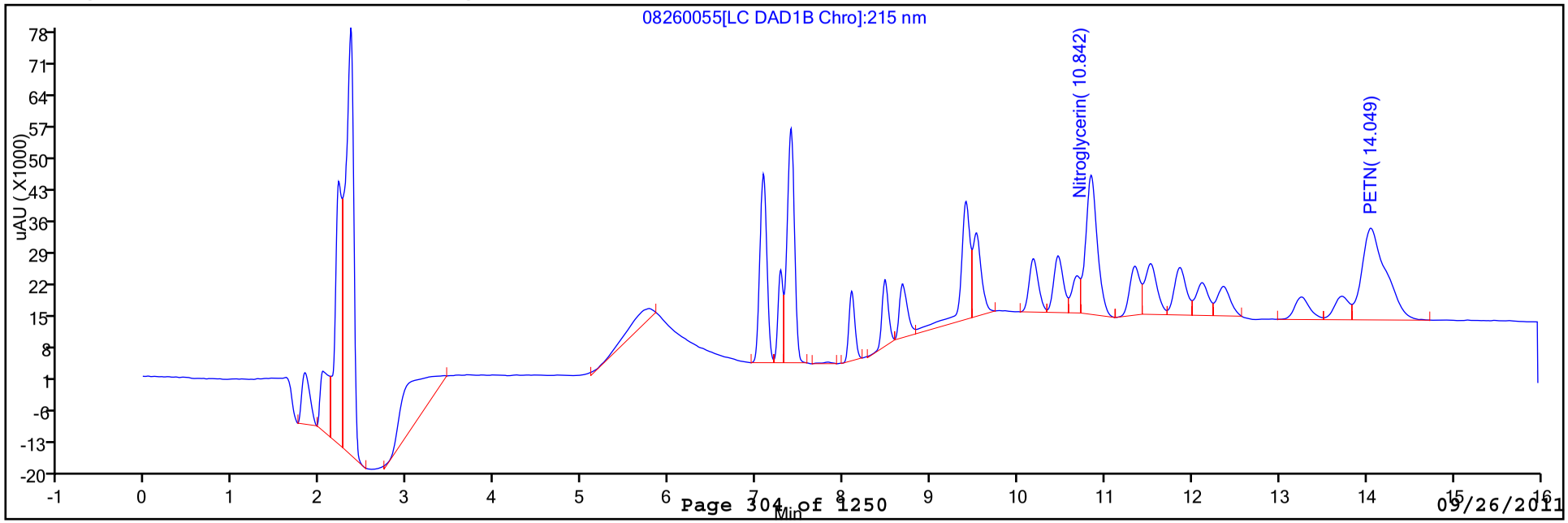
Data File: \\Denchrom\chromdata\X4_C18\20110826-2399.b\08260055.D

Injection Date:	27-Aug-2011 09:21:39	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	83223	Lims Sample ID:	55
Operator ID:	mpk	Injection Vol:	100.00 ul

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



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



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Lab Sample ID: CCV 280-83223/60 Calibration Date: 08/27/2011 11:33

Instrument ID: CHHPLCX4_C18 Calib Start Date: 07/26/2011 19:29

GC Column: UltraCarb5uODS ID: 4.60(mm) Calib End Date: 07/26/2011 22:33

Lab File ID: 08260060.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-diamino-4-nitrotoluene	Ave	312315	307792		0.246	0.250	-1.4	20.0
HMX	Ave	143602	135700		0.236	0.250	-5.5	20.0
2,4-diamino-6-nitrotoluene	Ave	203828	207448		0.254	0.250	1.8	20.0
MNX	Lin2		203880		358	0.250	-0.6	20.0
RDX	Ave	164227	164380		0.250	0.250	0.0	20.0
Picric acid	Ave	133183	134964		0.253	0.250	1.3	20.0
1,3,5-Trinitrobenzene	Ave	344835	337004		0.244	0.250	-2.3	20.0
1,3-Dinitrobenzene	Ave	474711	479224		0.252	0.250	1.0	20.0
Tetryl	Ave	242020	247316		0.256	0.250	2.2	20.0
Nitrobenzene	Ave	347969	349876		0.251	0.250	0.5	20.0
Nitroglycerin	Ave	109376	114791		2.62	2.50	5.0	20.0
2,4,6-Trinitrotoluene	Ave	317039	312708		0.247	0.250	-1.4	20.0
4-Amino-2,6-dinitrotoluene	Ave	238404	244284		0.256	0.250	2.5	20.0
2-Amino-4,6-dinitrotoluene	Ave	314680	314936		0.250	0.250	0.0	20.0
2,6-Dinitrotoluene	Lin2		220196		0.249	0.250	-0.2	20.0
2,4-Dinitrotoluene	Ave	463770	468924		0.253	0.250	1.1	20.0
2-Nitrotoluene	Lin2		191144		0.237	0.250	-5.3	20.0
4-Nitrotoluene	Lin2		174172		0.244	0.250	-2.4	20.0
PETN	Ave	157050	156286		2.49	2.50	-0.5	20.0
3-Nitrotoluene	Lin2		233232		0.247	0.250	-1.1	20.0
1,2-Dinitrobenzene	Ave	230709	241720		0.262	0.250	4.8	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Lab Sample ID: CCV 280-83223/60 Calibration Date: 08/27/2011 11:33

Instrument ID: CHHPLCX4_C18 Calib Start Date: 07/26/2011 19:29

GC Column: UltraCarb5uODS ID: 4.60(mm) Calib End Date: 07/26/2011 22:33

Lab File ID: 08260060.D

Analyte	RT	RT WINDOW	
		TO	FROM
2,6-diamino-4-nitrotoluene	7.08	6.98	7.18
HMX	7.28	7.18	7.38
2,4-diamino-6-nitrotoluene	7.40	7.30	7.50
MNX	8.10	8.00	8.20
RDX	8.48	8.38	8.58
Picric acid	8.68	8.58	8.78
1,3,5-Trinitrobenzene	9.41	9.31	9.51
1,3-Dinitrobenzene	10.18	10.08	10.28
Tetryl	10.47	10.37	10.57
Nitrobenzene	10.68	10.58	10.78
Nitroglycerin	10.85	10.75	10.95
2,4,6-Trinitrotoluene	11.35	11.25	11.45
4-Amino-2,6-dinitrotoluene	11.52	11.42	11.62
2-Amino-4,6-dinitrotoluene	11.86	11.76	11.96
2,6-Dinitrotoluene	12.11	12.01	12.21
2,4-Dinitrotoluene	12.36	12.26	12.46
2-Nitrotoluene	13.25	13.15	13.35
4-Nitrotoluene	13.72	13.62	13.82
PETN	14.05	13.95	14.15
3-Nitrotoluene	14.26	14.16	14.36
1,2-Dinitrobenzene	9.53	9.43	9.63

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260060.D		
Lims ID:	CCV 8330	Client ID:	
Inject. Date:	27-Aug-2011 11:33:12	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV 8330		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	7
Lims Batch ID:	83223	Lims Sample ID:	60
Sublist:	chrom-8330_X4*sub1		
Method:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\8330_X4.m		
Last Update:	29-Aug-2011 13:07:49	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

First Level Reviewer: kellisonm Date: 29-Aug-2011 13:07:49

	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	1 2,6-diamino-4-nitrotoluene	1	7.080	7.080	0.0	76948	0.2464	
	2 HMX	1	7.280	7.280	0.0	33925	0.2362	
	3 2,4-diamino-6-nitrotoluene	1	7.400	7.400	0.0	51862	0.2544	
	4 MNX	1	8.100	8.100	0.0	50970	0.2484	
	5 RDX	1	8.480	8.480	0.0	41095	0.2502	
	6 2,4,6-Trinitrophenol	1	8.680	8.680	0.0	33741	0.2533	
	7 1,3,5-Trinitrobenzene	1	9.406	9.406	0.0	84251	0.2443	
E	8 1,2-Dinitrobenzene	1	9.526	9.526	0.0	60430	0.2619	
	9 1,3-Dinitrobenzene	1	10.180	10.180	0.0	119806	0.2524	
	10 Tetryl	1	10.466	10.466	0.0	61829	0.2555	
	12 Nitrobenzene	1	10.680	10.680	0.0	87469	0.2514	
	13 Nitroglycerin	2	10.846	10.846	0.0	286977	2.62	
	14 2,4,6-Trinitrotoluene	1	11.346	11.346	0.0	78177	0.2466	
	15 4-Amino-2,6-dinitrotoluene	1	11.520	11.520	0.0	61071	0.2562	
	16 2-Amino-4,6-dinitrotoluene	1	11.860	11.860	0.0	78734	0.2502	
	17 2,6-Dinitrotoluene	1	12.113	12.113	0.0	55049	0.2494	
	18 2,4-Dinitrotoluene	1	12.360	12.360	0.0	117231	0.2528	
	19 o-Nitrotoluene	1	13.253	13.253	0.0	47786	0.2367	
	20 p-Nitrotoluene	1	13.720	13.720	0.0	43543	0.2440	
	21 PETN	2	14.053	14.053	0.0	390714	2.49	
	22 m-Nitrotoluene	1	14.260	14.260	0.0	58308	0.2473	

Report Date: 29-Aug-2011 13:07:49 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Denchrom\chromdata\X4_C18\20110826-2399.b\08260060.D

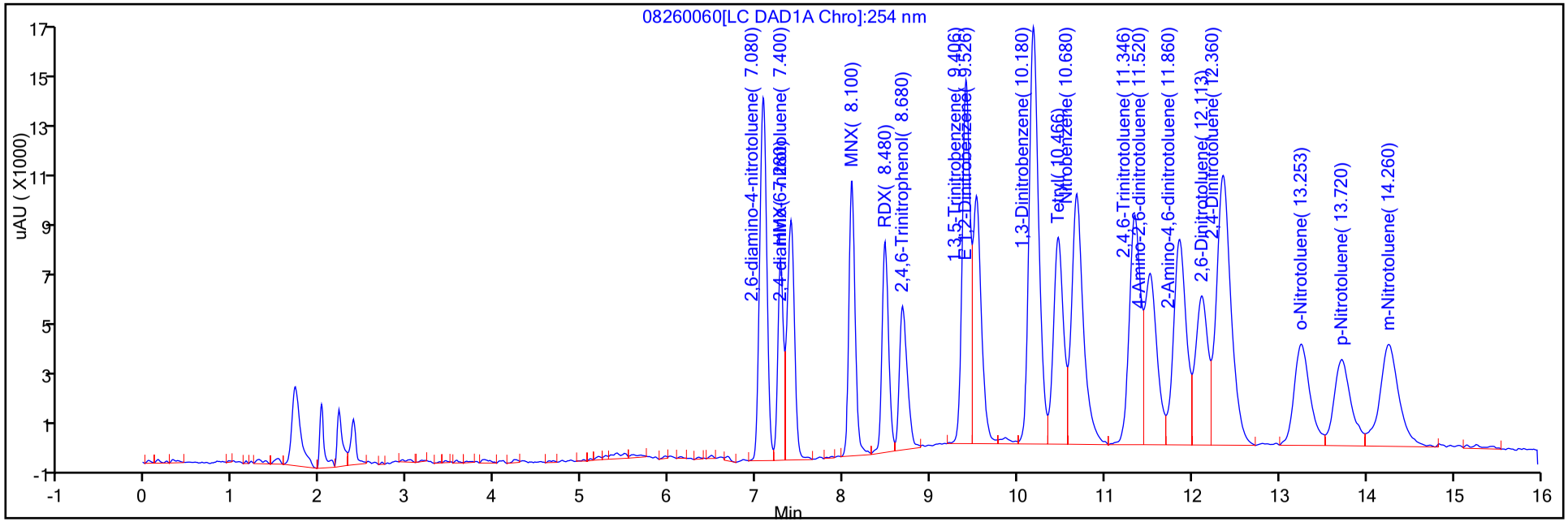
Injection Date: 27-Aug-2011 11:33:12 Limit Group: GCSV - 8330B

Client ID: Instrument ID: CHHPLCX4_C18

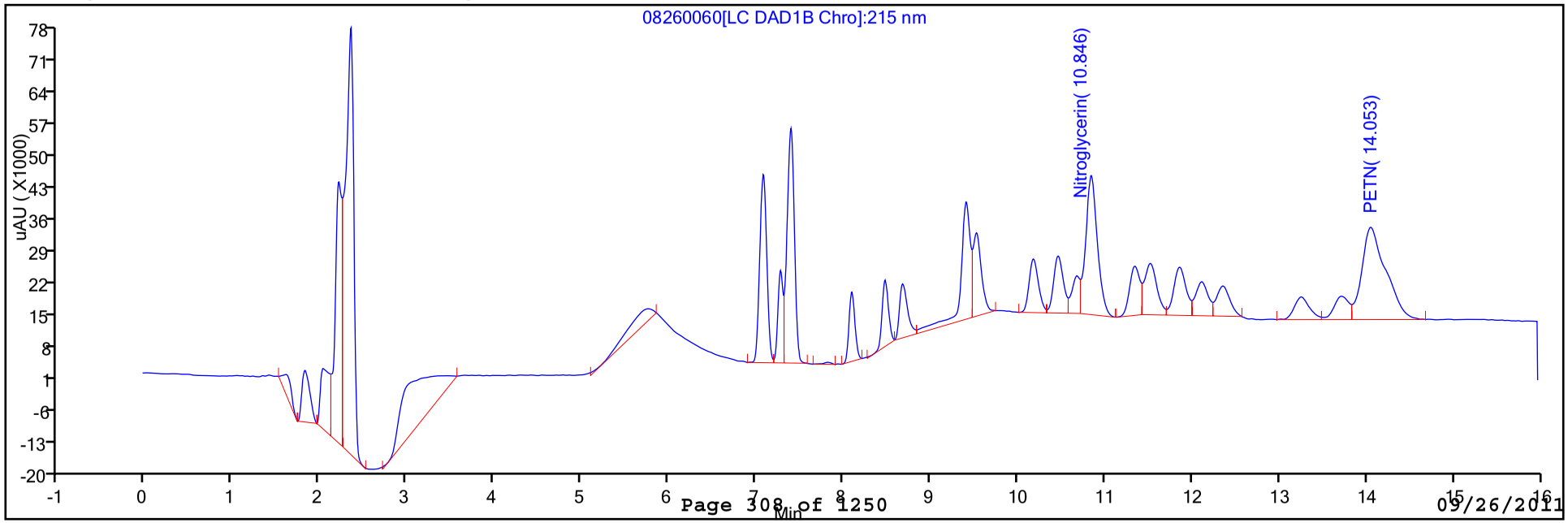
Lims Batch ID: 83223 Lims Sample ID: 60

Operator ID: mpk Injection Vol: 100.00 ul

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



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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19386-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-82896/1-A

Matrix: Solid | Lab File ID: 08260027.D

Analysis Method: 8330B | Date Collected:

Extraction Method: 8330B | Date Extracted: 08/24/2011 20:28

Sample wt/vol: 10.16(g) | Date Analyzed: 08/26/2011 21:04

Con. Extract Vol.: 40000(uL) | Dilution Factor: 1

Injection Volume: 100(uL) | GC Column: UltraCarb5uODS ID: 4.6(mm)

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

Analysis Batch No.: 83223 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.0324	U	0.0984	0.0324
19406-51-0	4-Amino-2,6-dinitrotoluene	0.0294	U	0.0984	0.0294
121-14-2	2,4-Dinitrotoluene	0.0145	U	0.0984	0.0145
606-20-2	2,6-Dinitrotoluene	0.0188	U	0.0984	0.0188
55-63-0	Nitroglycerin	0.212	U	1.97	0.212
88-72-2	2-Nitrotoluene	0.0465	U	0.197	0.0465
99-08-1	3-Nitrotoluene	0.0630	U	0.197	0.0630
98-95-3	Nitrobenzene	0.0837	U	0.295	0.0837
99-99-0	4-Nitrotoluene	0.0359	U	0.197	0.0359
99-35-4	1,3,5-Trinitrobenzene	0.0136	U	0.0984	0.0136
99-65-0	1,3-Dinitrobenzene	0.0163	U	0.0984	0.0163
2691-41-0	HMX	0.0223	U	0.0984	0.0223
121-82-4	RDX	0.0423	U	0.197	0.0423
479-45-8	Tetryl	0.0432	U	0.197	0.0432
78-11-5	PETN	0.485	U	1.97	0.485
118-96-7	2,4,6-Trinitrotoluene	0.0302	U	0.0984	0.0302

CAS NO.	SURROGATE	%REC	Q	LIMITS
528-29-0	1,2-Dinitrobenzene	96		83-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260027.D		
Lims ID:	MB 280-82896/1-A	Client ID:	
Inject. Date:	26-Aug-2011 21:04:48	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB 280-82896/1-A		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	27
Lims Batch ID:	83223	Lims Sample ID:	27

Method:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\8330_X4.m		
Last Update:	29-Aug-2011 08:28:06	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

First Level Reviewer: kellisonm Date: 29-Aug-2011 13:06:03

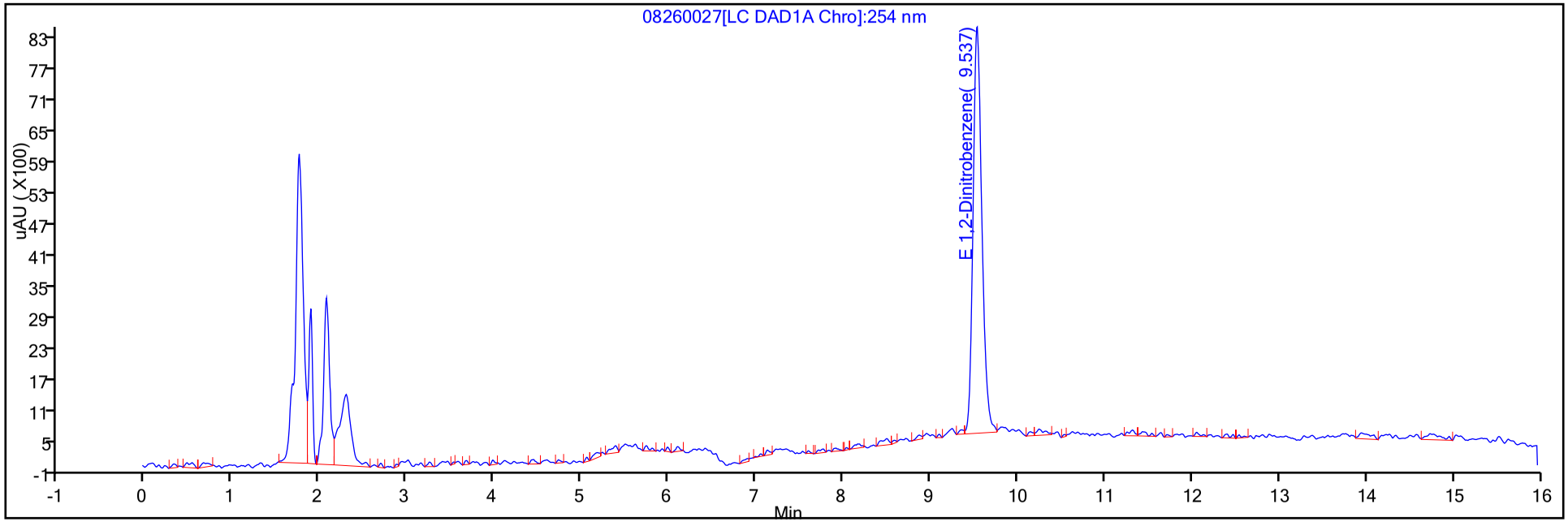
Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
E 8 1,2-Dinitrobenzene	1	9.537	9.540	-0.003	55368	0.2400	

Report Date: 29-Aug-2011 13:06:03 Chrom Revision: 1.2 13-Jul-2011 10:43:06

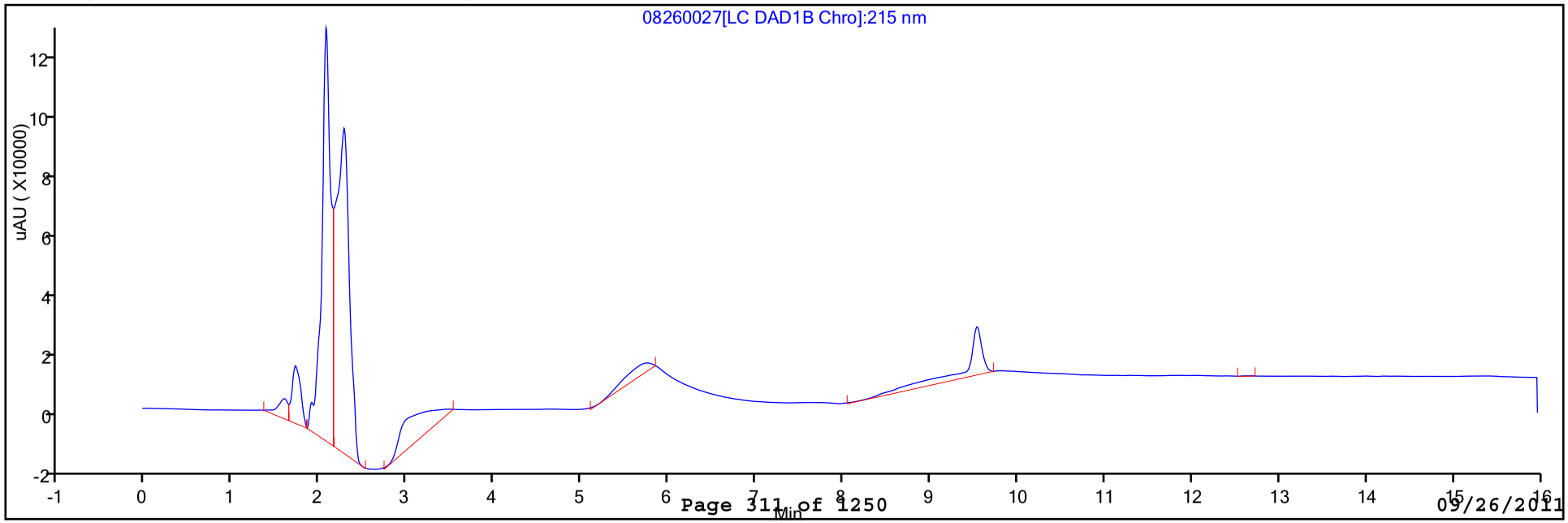
Data File: \\Denchrom\chromdata\X4_C18\20110826-2399.b\08260027.D

Injection Date:	26-Aug-2011 21:04:48	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	83223	Lims Sample ID:	27
Operator ID:	mpk	Injection Vol:	100.00 ul

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



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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver
Job No.: 280-19386-1
SDG No.:
Client Sample ID:
Lab Sample ID: PB 280-82481/20-B
Matrix: Solid
Lab File ID: 08260028.D
Analysis Method: 8330B
Date Collected:
Extraction Method: 8330B
Date Extracted: 08/24/2011 20:28
Sample wt/vol: 10.22(g)
Date Analyzed: 08/26/2011 21:31
Con. Extract Vol.: 40000(uL)
Dilution Factor: 1
Injection Volume: 100(uL)
GC Column: UltraCarb5uODS ID: 4.6(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 83223
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.0322	U	0.0978	0.0322
19406-51-0	4-Amino-2,6-dinitrotoluene	0.0293	U	0.0978	0.0293
121-14-2	2,4-Dinitrotoluene	0.0144	U	0.0978	0.0144
606-20-2	2,6-Dinitrotoluene	0.0187	U	0.0978	0.0187
55-63-0	Nitroglycerin	0.210	U	1.96	0.210
88-72-2	2-Nitrotoluene	0.0462	U	0.196	0.0462
99-08-1	3-Nitrotoluene	0.0626	U	0.196	0.0626
98-95-3	Nitrobenzene	0.0832	U	0.294	0.0832
99-99-0	4-Nitrotoluene	0.0357	U	0.196	0.0357
99-35-4	1,3,5-Trinitrobenzene	0.0135	U	0.0978	0.0135
99-65-0	1,3-Dinitrobenzene	0.0162	U	0.0978	0.0162
2691-41-0	HMX	0.0222	U	0.0978	0.0222
121-82-4	RDX	0.0421	U	0.196	0.0421
479-45-8	Tetryl	0.0430	U	0.196	0.0430
78-11-5	PETN	0.482	U	1.96	0.482
118-96-7	2,4,6-Trinitrotoluene	0.0300	U	0.0978	0.0300

CAS NO.	SURROGATE	%REC	Q	LIMITS
528-29-0	1,2-Dinitrobenzene	92		83-122

Report Date: 29-Aug-2011 13:06:09 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260028.D		
Lims ID:	PB 280-82481/20-B	Client ID:	
Inject. Date:	26-Aug-2011 21:31:06	Dil. Factor:	1.0000
Sample Type:	PB		
Sample ID:	PB 280-82481/20-		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	28
Lims Batch ID:	83223	Lims Sample ID:	28
Method:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\8330_X4.m		
Last Update:	29-Aug-2011 08:28:06	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

First Level Reviewer: kellisonm Date: 29-Aug-2011 13:06:08

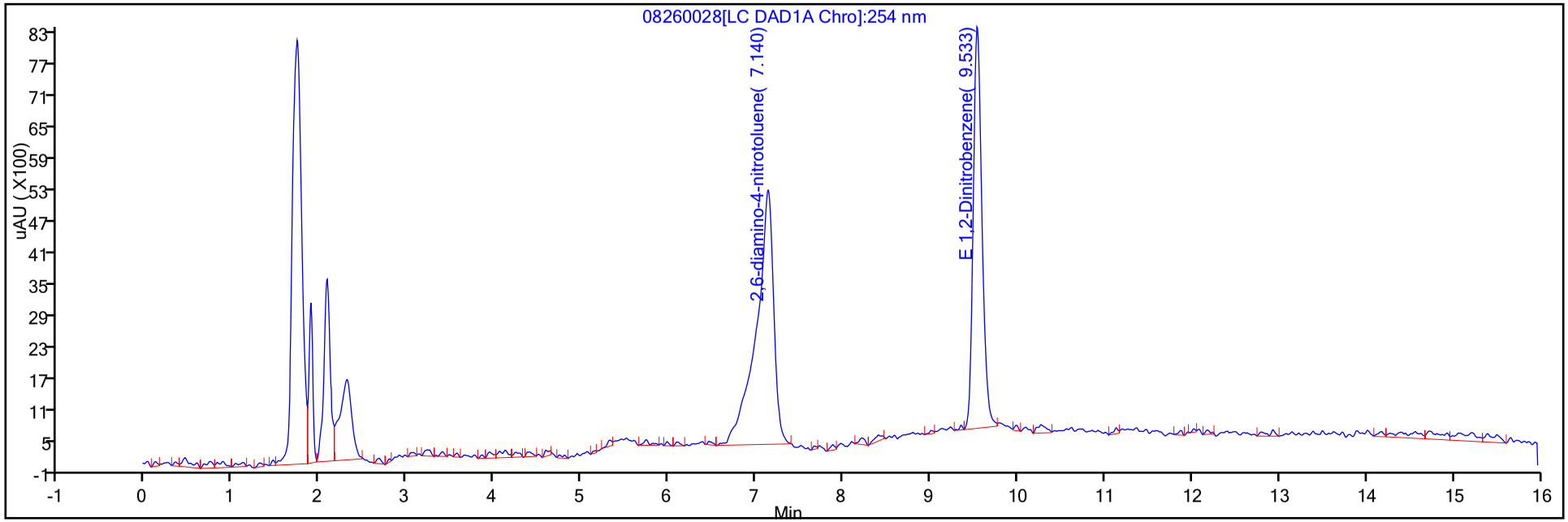
	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
1	2,6-diamino-4-nitrotoluene	1	7.140	7.087	0.053	67123	0.2149	
E 8	1,2-Dinitrobenzene	1	9.533	9.540	-0.007	53266	0.2309	

Report Date: 29-Aug-2011 13:06:09 Chrom Revision: 1.2 13-Jul-2011 10:43:06

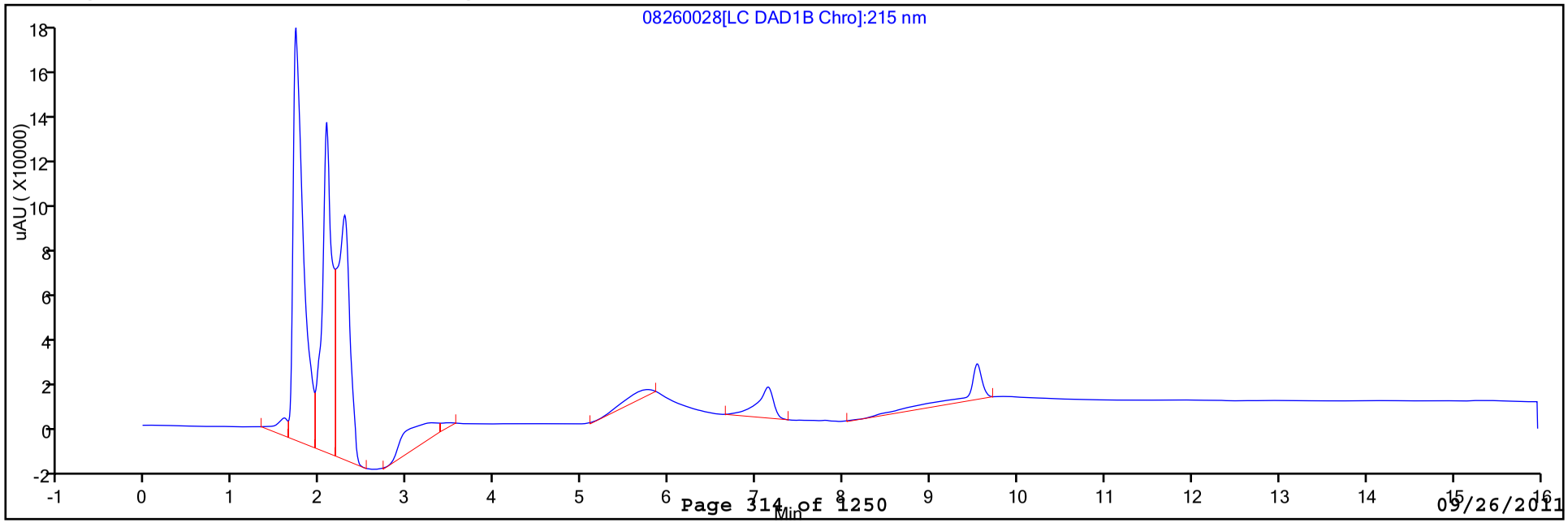
Data File: \\Denchrom\chromdata\X4_C18\20110826-2399.b\08260028.D

Injection Date:	26-Aug-2011 21:31:06	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	83223	Lims Sample ID:	28
Operator ID:	mpk	Injection Vol:	100.00 ul

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



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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver
Job No.: 280-19386-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 280-82896/4-A
Matrix: Solid
Lab File ID: 08260030.D
Analysis Method: 8330B
Date Collected:
Extraction Method: 8330B
Date Extracted: 08/24/2011 20:28
Sample wt/vol: 10.38(g)
Date Analyzed: 08/26/2011 22:23
Con. Extract Vol.: 40000(uL)
Dilution Factor: 1
Injection Volume: 100(uL)
GC Column: UltraCarb5uODS ID: 4.6(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 83223
Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
35572-78-2	2-Amino-4,6-dinitrotoluene	1.00		0.0963	0.0317
19406-51-0	4-Amino-2,6-dinitrotoluene	1.03		0.0963	0.0288
121-14-2	2,4-Dinitrotoluene	1.02		0.0963	0.0142
606-20-2	2,6-Dinitrotoluene	0.981		0.0963	0.0184
55-63-0	Nitroglycerin	9.63		1.93	0.207
88-72-2	2-Nitrotoluene	1.01		0.193	0.0455
99-08-1	3-Nitrotoluene	1.04		0.193	0.0617
98-95-3	Nitrobenzene	1.08		0.289	0.0819
99-99-0	4-Nitrotoluene	0.999		0.193	0.0352
99-35-4	1,3,5-Trinitrobenzene	1.01		0.0963	0.0133
99-65-0	1,3-Dinitrobenzene	1.03		0.0963	0.0160
2691-41-0	HMX	1.08		0.0963	0.0219
121-82-4	RDX	1.16		0.193	0.0414
479-45-8	Tetryl	1.07		0.193	0.0423
78-11-5	PETN	9.75		1.93	0.475
118-96-7	2,4,6-Trinitrotoluene	1.04		0.0963	0.0296

CAS NO.	SURROGATE	%REC	Q	LIMITS
528-29-0	1,2-Dinitrobenzene	111		83-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260030.D		
Lims ID:	LCS 280-82896/4-A	Client ID:	
Inject. Date:	26-Aug-2011 22:23:44	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	LCS 280-82896/4-		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	30
Lims Batch ID:	83223	Lims Sample ID:	30

Method:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\8330_X4.m		
Last Update:	29-Aug-2011 08:28:06	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

First Level Reviewer: kellisonm Date: 29-Aug-2011 13:06:18

	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	2 HMX	1	7.274	7.287	-0.013	40277	0.2805	
	4 MNX	1	8.087	8.101	-0.014	51768	0.2524	
	5 RDX	1	8.474	8.487	-0.013	49337	0.3004	
	6 2,4,6-Trinitrophenol	1	8.674	8.681	-0.007	31564	0.2370	
	7 1,3,5-Trinitrobenzene	1	9.407	9.427	-0.020	90168	0.2615	
E	8 1,2-Dinitrobenzene	1	9.520	9.540	-0.020	63890	0.2769	
	9 1,3-Dinitrobenzene	1	10.180	10.200	-0.020	127024	0.2676	
	10 Tetryl	1	10.474	10.487	-0.013	67292	0.2780	
	12 Nitrobenzene	1	10.674	10.700	-0.026	97612	0.2805	
	13 Nitroglycerin	2	10.854	10.867	-0.013	273303	2.50	
	14 2,4,6-Trinitrotoluene	1	11.354	11.374	-0.020	85837	0.2707	
	15 4-Amino-2,6-dinitrotoluene	1	11.507	11.540	-0.033	63424	0.2660	
	16 2-Amino-4,6-dinitrotoluene	1	11.860	11.880	-0.020	81668	0.2595	
	17 2,6-Dinitrotoluene	1	12.120	12.140	-0.020	56189	0.2546	
	18 2,4-Dinitrotoluene	1	12.367	12.394	-0.027	122786	0.2648	
	19 o-Nitrotoluene	1	13.267	13.287	-0.020	52642	0.2611	
	20 p-Nitrotoluene	1	13.727	13.760	-0.033	46214	0.2592	
	21 PETN	2	14.080	14.100	-0.020	397721	2.53	
	22 m-Nitrotoluene	1	14.274	14.300	-0.026	63632	0.2702	

Report Date: 29-Aug-2011 13:06:19 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Denchrom\chromdata\X4_C18\20110826-2399.b\08260030.D

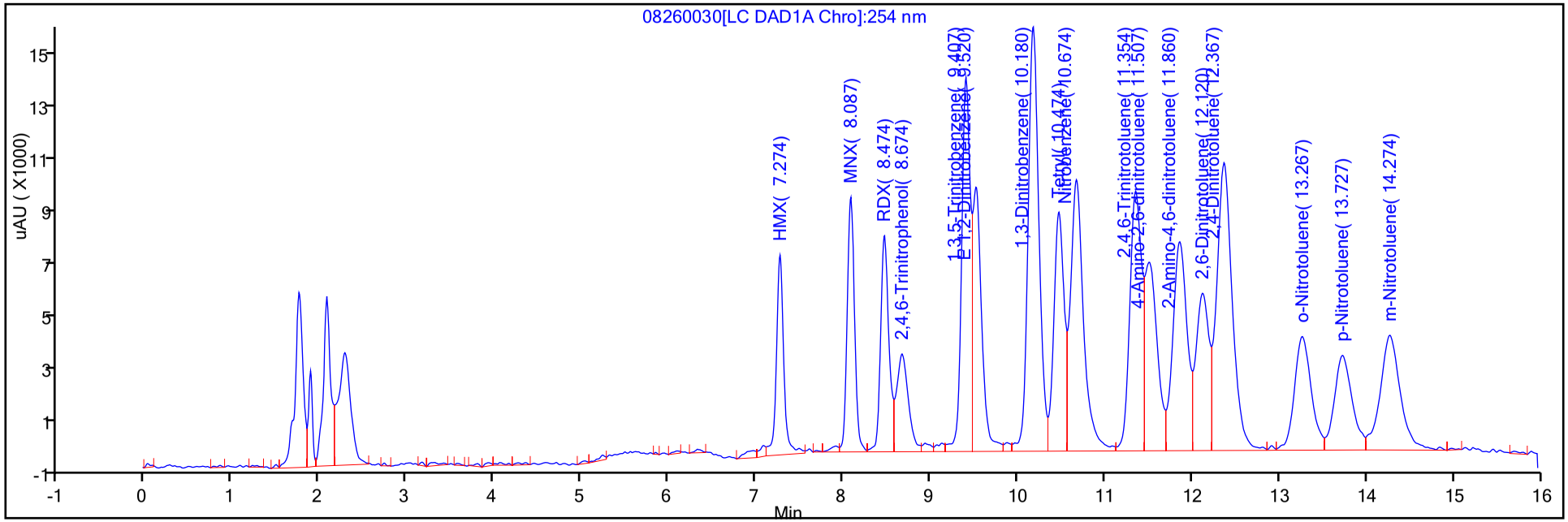
Injection Date: 26-Aug-2011 22:23:44 Limit Group: GCSV - 8330B

Client ID: Instrument ID: CHHPLCX4_C18

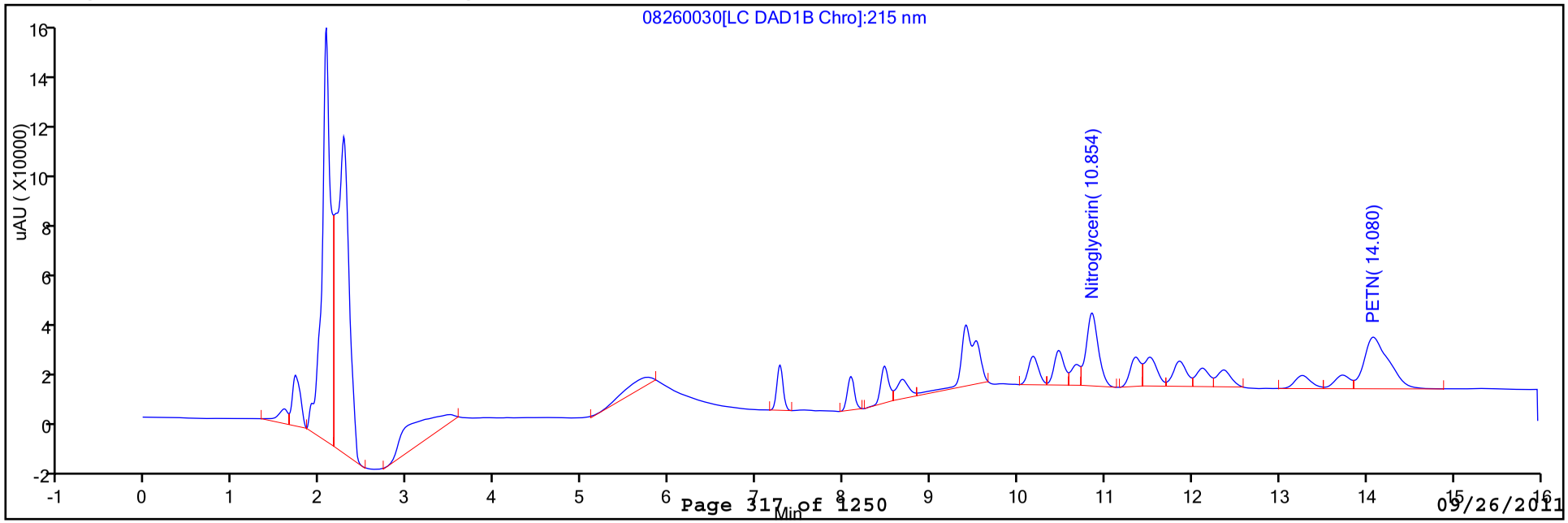
Lims Batch ID: 83223 Lims Sample ID: 30

Operator ID: mpk Injection Vol: 100.00 ul

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



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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19386-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSSRM 280-82481/21-B

Matrix: Solid | Lab File ID: 08260029.D

Analysis Method: 8330B | Date Collected:

Extraction Method: 8330B | Date Extracted: 08/24/2011 20:28

Sample wt/vol: 10.50(g) | Date Analyzed: 08/26/2011 21:57

Con. Extract Vol.: 40000(uL) | Dilution Factor: 1

Injection Volume: 100(uL) | GC Column: UltraCarb5uODS ID: 4.6(mm)

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

Analysis Batch No.: 83223 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.544		0.0952	0.0313
19406-51-0	4-Amino-2,6-dinitrotoluene	0.468		0.0952	0.0285
121-14-2	2,4-Dinitrotoluene	0.609		0.0952	0.0140
606-20-2	2,6-Dinitrotoluene	0.615		0.0952	0.0182
55-63-0	Nitroglycerin	0.450	J M	1.90	0.205
88-72-2	2-Nitrotoluene	0.563		0.190	0.0450
99-08-1	3-Nitrotoluene	0.522		0.190	0.0610
98-95-3	Nitrobenzene	0.495		0.286	0.0810
99-99-0	4-Nitrotoluene	0.565		0.190	0.0348
99-35-4	1,3,5-Trinitrobenzene	0.507		0.0952	0.0131
99-65-0	1,3-Dinitrobenzene	0.574		0.0952	0.0158
2691-41-0	HMX	0.581		0.0952	0.0216
121-82-4	RDX	0.555		0.190	0.0410
78-11-5	PETN	0.470	U Q	1.90	0.470
118-96-7	2,4,6-Trinitrotoluene	0.531		0.0952	0.0292

CAS NO.	SURROGATE	%REC	Q	LIMITS
528-29-0	1,2-Dinitrobenzene	107		83-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260029.D		
Lims ID:	LCSSRM 280-82481/21-B	Client ID:	
Inject. Date:	26-Aug-2011 21:57:24	Dil. Factor:	1.0000
Sample Type:	LCSSRM		
Sample ID:	LCSSRM 280-82481		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	29
Lims Batch ID:	83223	Lims Sample ID:	29

Method:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\8330_X4.m		
Last Update:	29-Aug-2011 08:28:06	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

First Level Reviewer: kellisonm Date: 29-Aug-2011 13:06:13

	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	2 HMX	1	7.277	7.287	-0.010	21885	0.1524	
	5 RDX	1	8.470	8.487	-0.017	23944	0.1458	
	7 1,3,5-Trinitrobenzene	1	9.410	9.427	-0.017	45906	0.1331	
E	8 1,2-Dinitrobenzene	1	9.530	9.540	-0.010	61440	0.2663	
	9 1,3-Dinitrobenzene	1	10.177	10.200	-0.023	71513	0.1506	
	12 Nitrobenzene	1	10.677	10.700	-0.023	45202	0.1299	
	13 Nitroglycerin	2	10.830	10.867	-0.037	12902	0.1180	M
	14 2,4,6-Trinitrotoluene	1	11.357	11.374	-0.017	44185	0.1394	
	15 4-Amino-2,6-dinitrotoluene	1	11.503	11.540	-0.037	29273	0.1228	
	16 2-Amino-4,6-dinitrotoluene	1	11.857	11.880	-0.023	44972	0.1429	
	17 2,6-Dinitrotoluene	1	12.123	12.140	-0.017	35854	0.1615	
	18 2,4-Dinitrotoluene	1	12.363	12.394	-0.031	74125	0.1598	
	19 o-Nitrotoluene	1	13.257	13.287	-0.030	30106	0.1479	
	20 p-Nitrotoluene	1	13.730	13.760	-0.030	26793	0.1483	
	21 PETN	2	14.090	14.100	-0.010	10914	0.0695	
	22 m-Nitrotoluene	1	14.270	14.300	-0.030	32584	0.1369	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 29-Aug-2011 13:06:14 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Denchrom\chromdata\X4_C18\20110826-2399.b\08260029.D

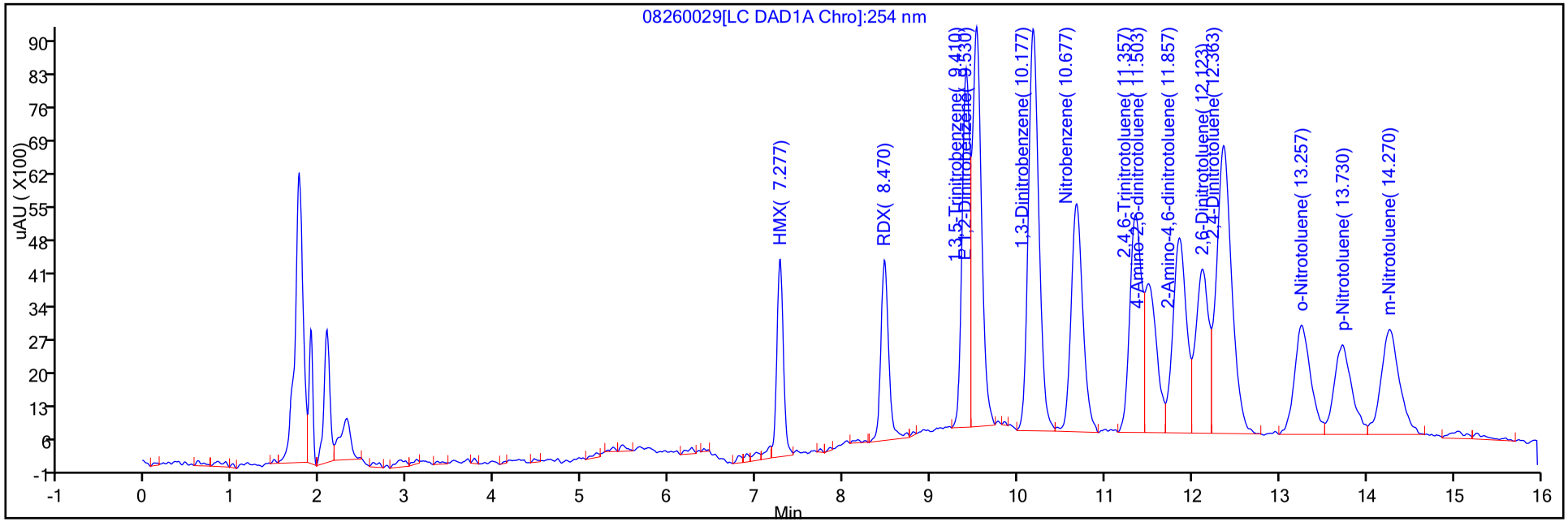
Injection Date: 26-Aug-2011 21:57:24 Limit Group: GCSV - 8330B

Client ID: Instrument ID: CHHPLCX4_C18

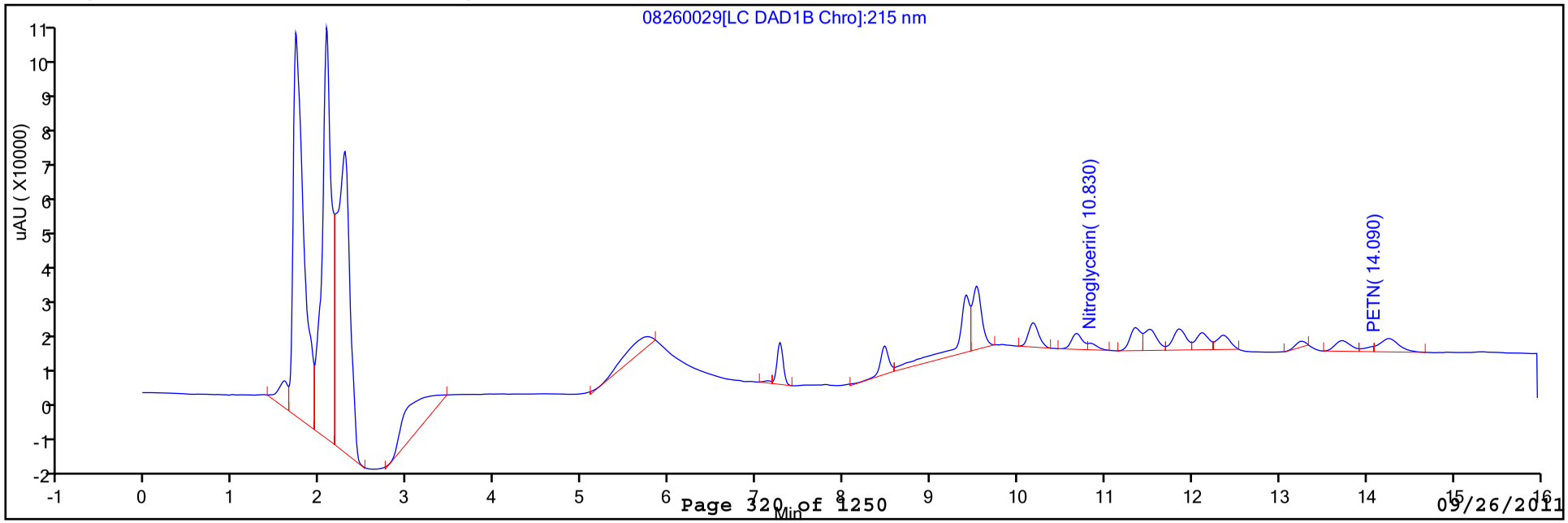
Lims Batch ID: 83223 Lims Sample ID: 29

Operator ID: mpk Injection Vol: 100.00 ul

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



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



Pocatello BR3 - Appendix F

1400

Report Date: 29-Aug-2011 13:06:14 Chrom Revision: 1.2 13-Jul-2011 10:43:06

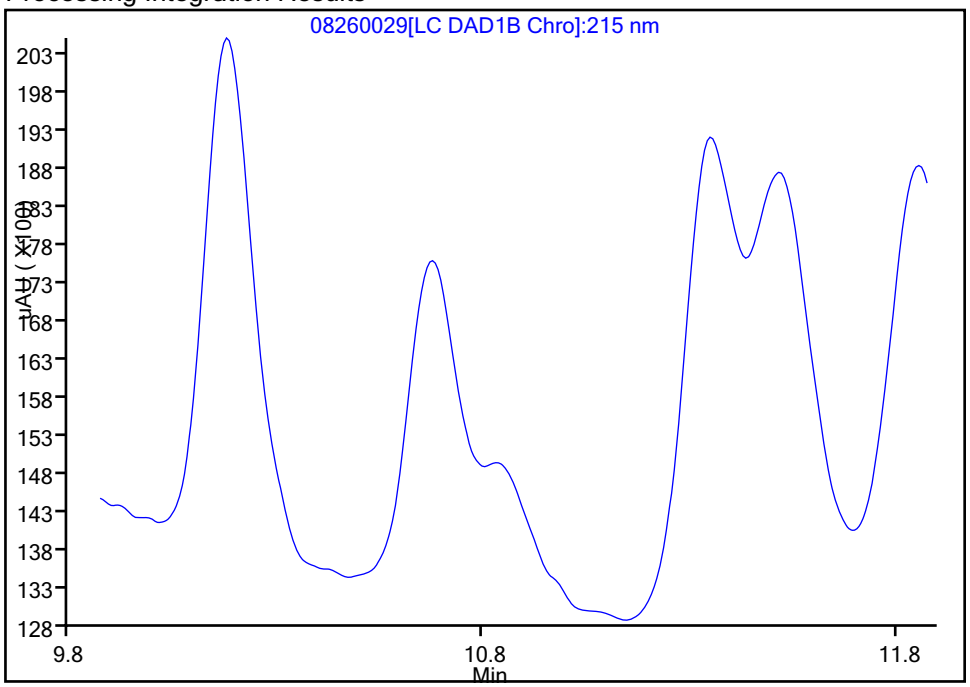
Manual Integration/User Assign Peak Report

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260029.D		
Injection Date:	26-Aug-2011 21:57:24	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	83223	Lims Sample ID:	29
Operator ID:	mpk	Injection Vol:	100.00 ul

13 Nitroglycerin, Signal: 1, Type: quant, RT: 10.87, Det: LC DAD1C

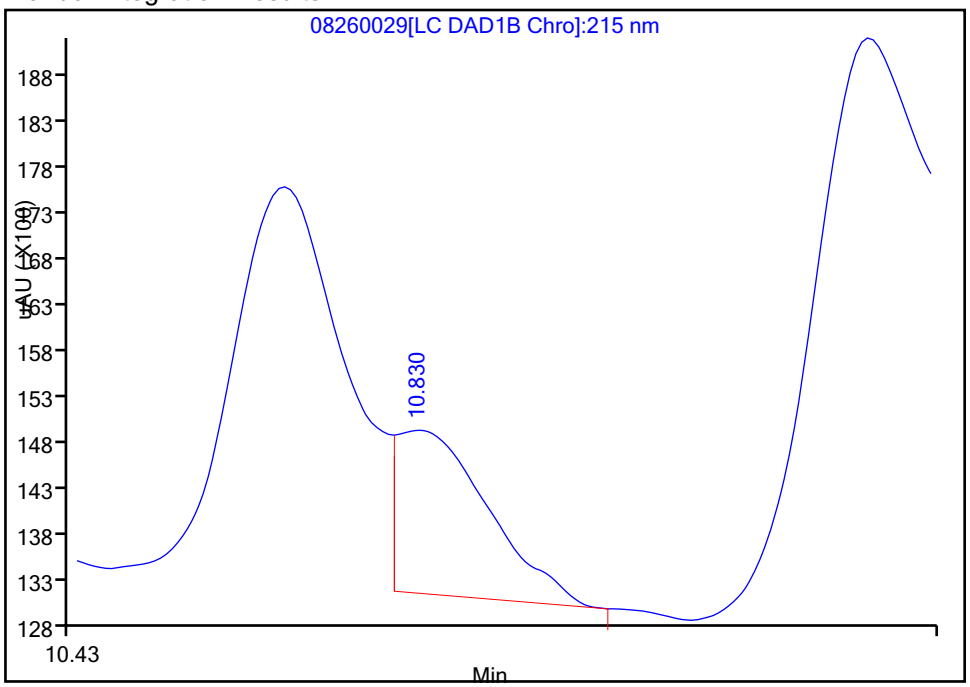
Processing Integration Results

Not Detected
Expected RT: 10.87



Manual Integration Results

RT: 10.83
Response: 12902
Amount: 0.117960



Reviewer: kellisonm, 29-Aug-2011 10:01:02
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19386-1

SDG No.:

Client Sample ID: NWO-178-0003 MS | Lab Sample ID: 280-19386-3 MS

Matrix: Solid | Lab File ID: 08260036.D

Analysis Method: 8330B | Date Collected: 08/19/2011 15:06

Extraction Method: 8330B | Date Extracted: 08/24/2011 20:28

Sample wt/vol: 10.13(g) | Date Analyzed: 08/27/2011 01:01

Con. Extract Vol.: 40000(uL) | Dilution Factor: 1

Injection Volume: 100(uL) | GC Column: UltraCarb5uODS ID: 4.6(mm)

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

Analysis Batch No.: 83223 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.977		0.0987	0.0325
19406-51-0	4-Amino-2,6-dinitrotoluene	0.917		0.0987	0.0295
121-14-2	2,4-Dinitrotoluene	1.03		0.0987	0.0145
606-20-2	2,6-Dinitrotoluene	0.997		0.0987	0.0189
55-63-0	Nitroglycerin	9.91		1.97	0.212
88-72-2	2-Nitrotoluene	1.05		0.197	0.0466
99-08-1	3-Nitrotoluene	1.11		0.197	0.0632
98-95-3	Nitrobenzene	1.03		0.296	0.0839
99-99-0	4-Nitrotoluene	1.09		0.197	0.0360
99-35-4	1,3,5-Trinitrobenzene	0.980		0.0987	0.0136
99-65-0	1,3-Dinitrobenzene	0.994		0.0987	0.0164
2691-41-0	HMX	0.845		0.0987	0.0224
121-82-4	RDX	0.973		0.197	0.0424
479-45-8	Tetryl	1.05		0.197	0.0433
78-11-5	PETN	9.75		1.97	0.487
118-96-7	2,4,6-Trinitrotoluene	1.04		0.0987	0.0303

CAS NO.	SURROGATE	%REC	Q	LIMITS
528-29-0	1,2-Dinitrobenzene	102		83-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260036.D		
Lims ID:	280-19386-A-3-T MS	Client ID:	NWO-178-0003
Inject. Date:	27-Aug-2011 01:01:36	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	280-19386-A-3-T		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	36
Lims Batch ID:	83223	Lims Sample ID:	36

Method:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\8330_X4.m		
Last Update:	29-Aug-2011 08:28:06	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

First Level Reviewer: kellisonm Date: 29-Aug-2011 13:06:41

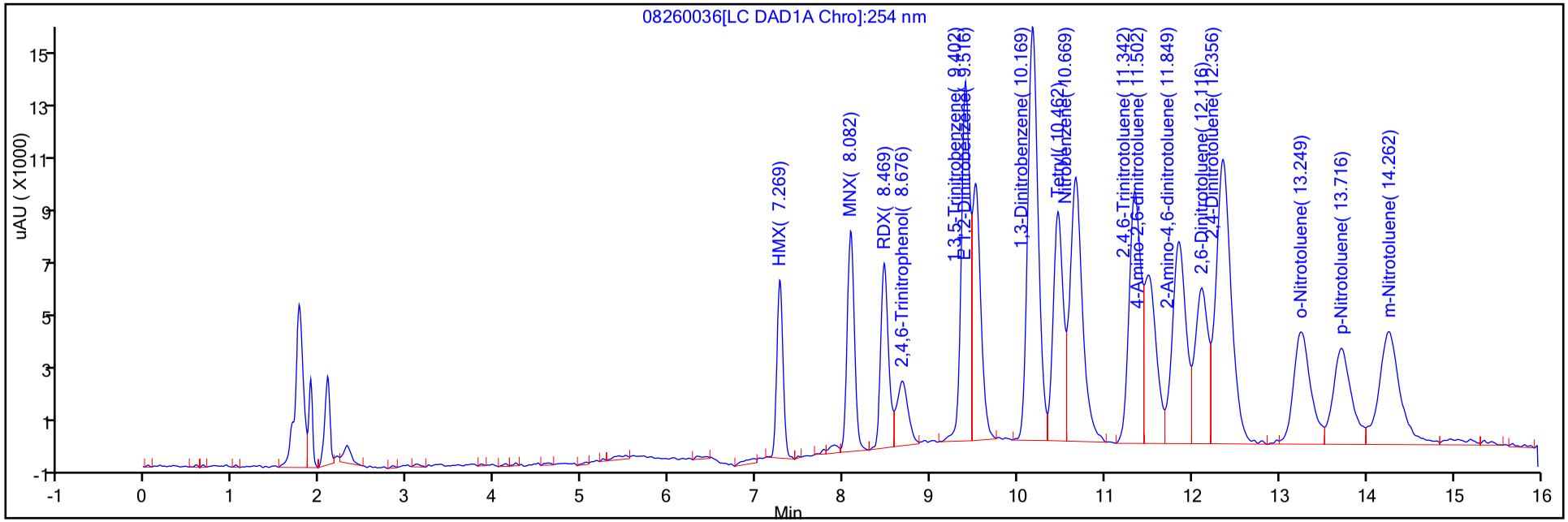
	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	2 HMX	1	7.269	7.284	-0.015	30732	0.2140	
	4 MNX	1	8.082	8.104	-0.022	44490	0.2162	
	5 RDX	1	8.469	8.484	-0.015	40441	0.2463	
	6 2,4,6-Trinitrophenol	1	8.676	8.684	-0.008	20227	0.1519	
	7 1,3,5-Trinitrobenzene	1	9.402	9.417	-0.015	85610	0.2483	
E	8 1,2-Dinitrobenzene	1	9.516	9.537	-0.021	58580	0.2539	
	9 1,3-Dinitrobenzene	1	10.169	10.197	-0.028	119506	0.2517	
	10 Tetryl	1	10.462	10.483	-0.021	64384	0.2660	
	12 Nitrobenzene	1	10.669	10.697	-0.028	90820	0.2610	
	13 Nitroglycerin	2	10.842	10.863	-0.021	274981	2.51	
	14 2,4,6-Trinitrotoluene	1	11.342	11.363	-0.021	83353	0.2629	
	15 4-Amino-2,6-dinitrotoluene	1	11.502	11.537	-0.035	55350	0.2322	
	16 2-Amino-4,6-dinitrotoluene	1	11.849	11.877	-0.028	77863	0.2474	
	17 2,6-Dinitrotoluene	1	12.116	12.137	-0.021	55704	0.2524	
	18 2,4-Dinitrotoluene	1	12.356	12.383	-0.027	120899	0.2607	
	19 o-Nitrotoluene	1	13.249	13.283	-0.034	53751	0.2667	
	20 p-Nitrotoluene	1	13.716	13.743	-0.027	48954	0.2749	
	21 PETN	2	14.069	14.083	-0.014	388328	2.47	
	22 m-Nitrotoluene	1	14.262	14.290	-0.028	65894	0.2799	

Report Date: 29-Aug-2011 13:06:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06

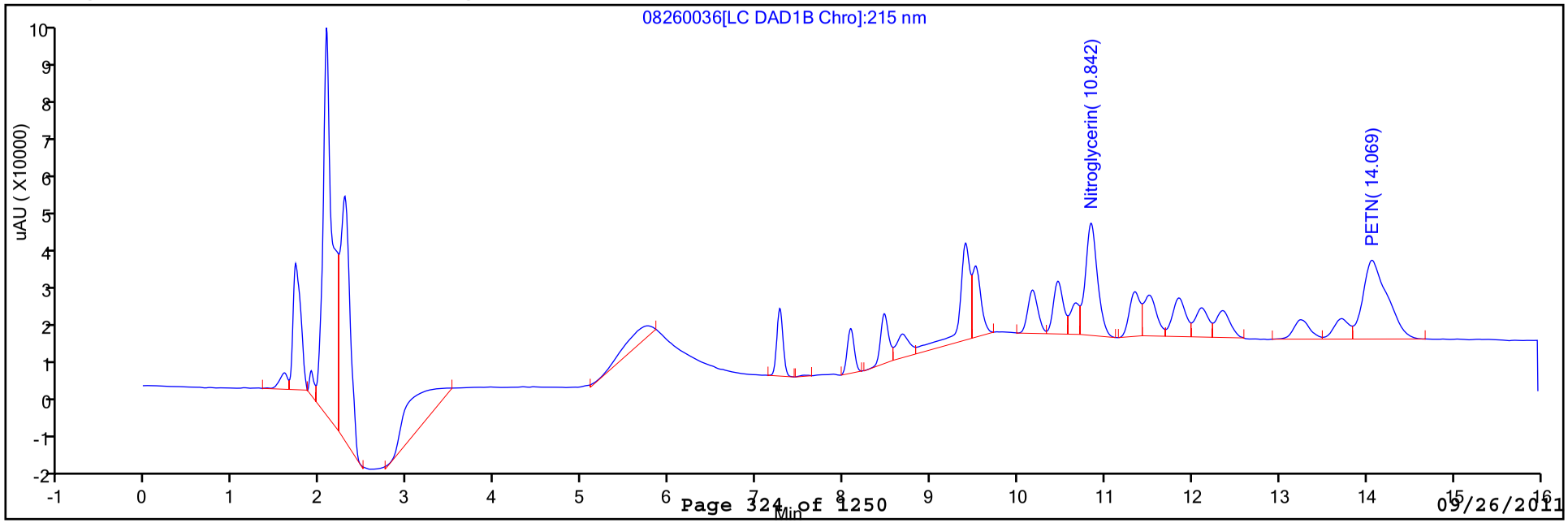
Data File: \\Denchrom\chromdata\X4_C18\20110826-2399.b\08260036.D

Injection Date:	27-Aug-2011 01:01:36	Limit Group:	GCSV - 8330B
Client ID:	NWO-178-0003	Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	83223	Lims Sample ID:	36
Operator ID:	mpk	Injection Vol:	100.00 ul

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



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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19386-1

SDG No.:

Client Sample ID: NWO-178-0003 MSD | Lab Sample ID: 280-19386-3 MSD

Matrix: Solid | Lab File ID: 08260037.D

Analysis Method: 8330B | Date Collected: 08/19/2011 15:06

Extraction Method: 8330B | Date Extracted: 08/24/2011 20:28

Sample wt/vol: 10.47(g) | Date Analyzed: 08/27/2011 01:27

Con. Extract Vol.: 40000(uL) | Dilution Factor: 1

Injection Volume: 100(uL) | GC Column: UltraCarb5uODS ID: 4.6(mm)

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

Analysis Batch No.: 83223 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.320	J	0.0955	0.0314
19406-51-0	4-Amino-2,6-dinitrotoluene	0.0286	U J	0.0955	0.0286
121-14-2	2,4-Dinitrotoluene	1.26	J	0.0955	0.0140
606-20-2	2,6-Dinitrotoluene	0.943		0.0955	0.0182
55-63-0	Nitroglycerin	9.09		1.91	0.205
88-72-2	2-Nitrotoluene	0.986		0.191	0.0451
99-08-1	3-Nitrotoluene	1.04		0.191	0.0611
98-95-3	Nitrobenzene	0.967		0.287	0.0812
99-99-0	4-Nitrotoluene	1.05		0.191	0.0349
99-35-4	1,3,5-Trinitrobenzene	1.12		0.0955	0.0132
99-65-0	1,3-Dinitrobenzene	0.928		0.0955	0.0159
2691-41-0	HMX	0.931		0.0955	0.0217
121-82-4	RDX	1.04		0.191	0.0411
479-45-8	Tetryl	0.970		0.191	0.0419
78-11-5	PETN	9.13		1.91	0.471
118-96-7	2,4,6-Trinitrotoluene	0.990	M	0.0955	0.0293

CAS NO.	SURROGATE	%REC	Q	LIMITS
528-29-0	1,2-Dinitrobenzene	104		83-122

Report Date: 29-Aug-2011 13:06:50 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260037.D		
Lims ID:	280-19386-A-3-U MSD	Client ID:	NWO-178-0003
Inject. Date:	27-Aug-2011 01:27:55	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	280-19386-A-3-U		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	37
Lims Batch ID:	83223	Lims Sample ID:	37

Method:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\8330_X4.m		
Last Update:	29-Aug-2011 08:28:06	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

First Level Reviewer: kellisonm Date: 29-Aug-2011 13:06:49

	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	1 2,6-diamino-4-nitrotoluene	1	7.129	7.084	0.045	72480	0.2321	
	2 HMX	1	7.269	7.284	-0.015	34980	0.2436	
	4 MNX	1	8.089	8.104	-0.015	45485	0.2211	
	5 RDX	1	8.469	8.484	-0.015	44555	0.2713	
	6 2,4,6-Trinitrophenol	1	8.682	8.684	-0.002	46082	0.3460	
	7 1,3,5-Trinitrobenzene	1	9.402	9.417	-0.015	100952	0.2928	
E	8 1,2-Dinitrobenzene	1	9.522	9.537	-0.015	59991	0.2600	
	9 1,3-Dinitrobenzene	1	10.175	10.197	-0.022	115357	0.2430	
	10 Tetryl	1	10.468	10.483	-0.015	61473	0.2540	
	12 Nitrobenzene	1	10.668	10.697	-0.029	88110	0.2532	
	13 Nitroglycerin	2	10.842	10.863	-0.021	259924	2.38	
	14 2,4,6-Trinitrotoluene	1	11.342	11.363	-0.021	82159	0.2591	M
	16 2-Amino-4,6-dinitrotoluene	1	11.848	11.877	-0.029	26337	0.0837	
	17 2,6-Dinitrotoluene	1	12.122	12.137	-0.015	54503	0.2469	
	18 2,4-Dinitrotoluene	1	12.355	12.383	-0.028	152859	0.3296	
	19 o-Nitrotoluene	1	13.248	13.283	-0.035	52063	0.2582	
	20 p-Nitrotoluene	1	13.715	13.743	-0.028	49079	0.2756	
	21 PETN	2	14.062	14.083	-0.021	376124	2.39	
	22 m-Nitrotoluene	1	14.255	14.290	-0.035	64211	0.2727	

QC Flag Legend

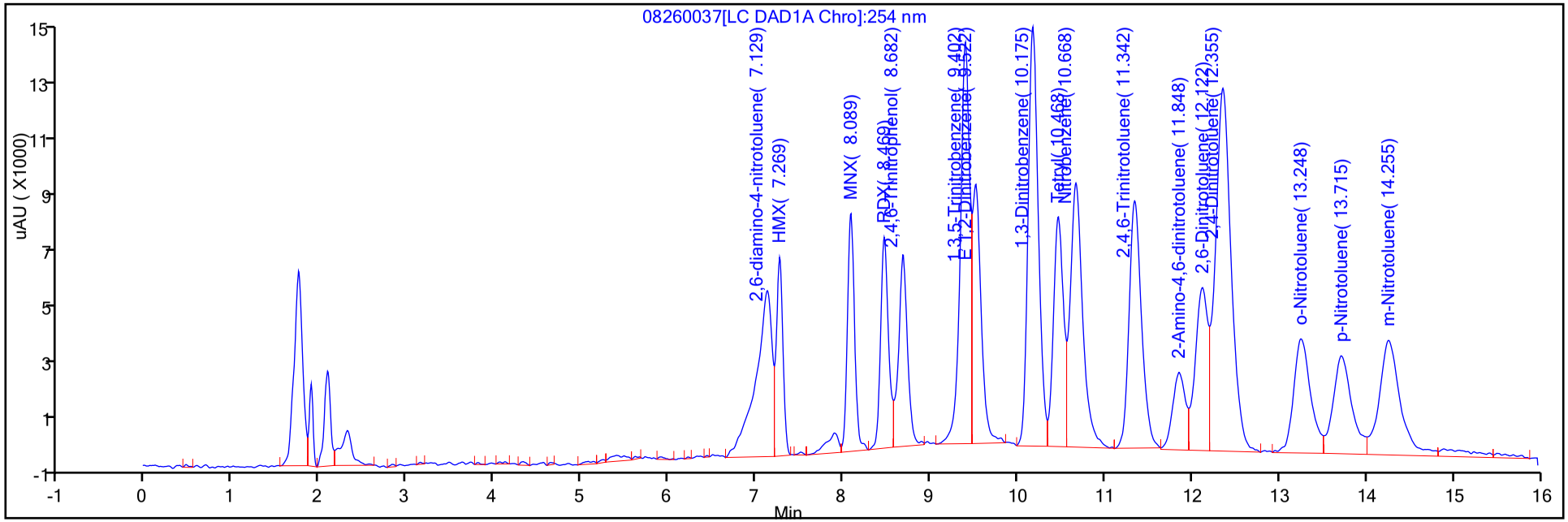
Review Flags
M - Manually Integrated

Report Date: 29-Aug-2011 13:06:50 Chrom Revision: 1.2 13-Jul-2011 10:43:06

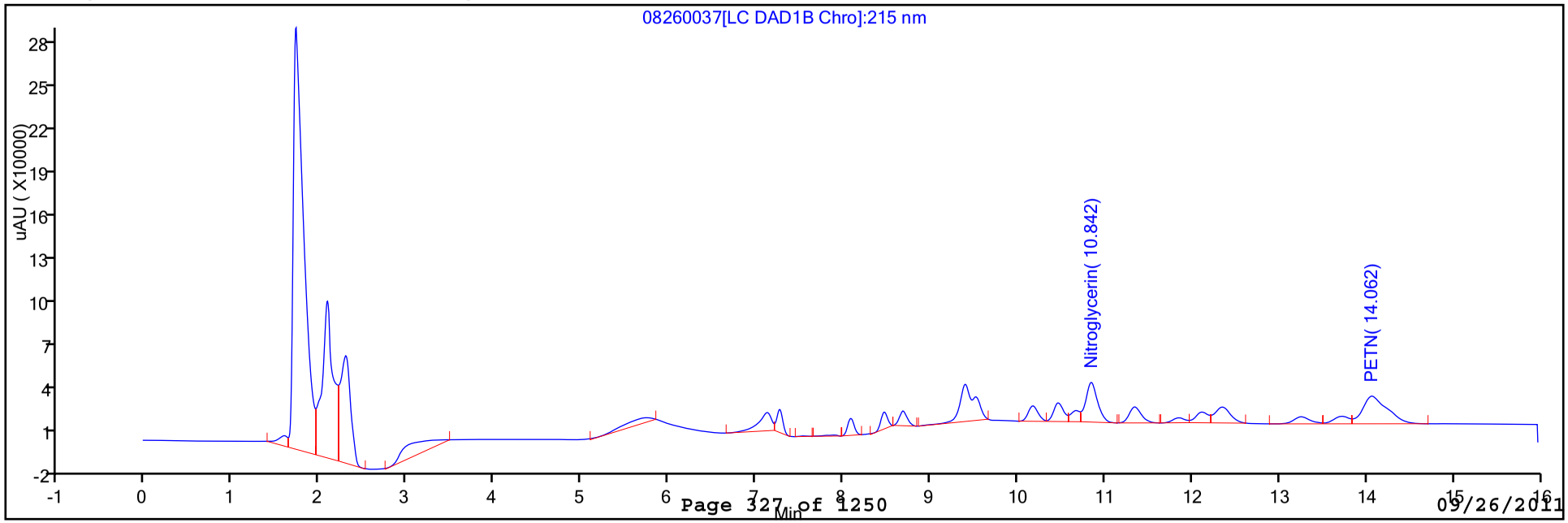
Data File: \\Denchrom\chromdata\X4_C18\20110826-2399.b\08260037.D

Injection Date:	27-Aug-2011 01:27:55	Limit Group:	GCSV - 8330B
Client ID:	NWO-178-0003	Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	83223	Lims Sample ID:	37
Operator ID:	mpk	Injection Vol:	100.00 ul

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



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



09/26/2011

Pocatello BR3 - Appendix F

1407

Report Date: 29-Aug-2011 13:06:50 Chrom Revision: 1.2 13-Jul-2011 10:43:06

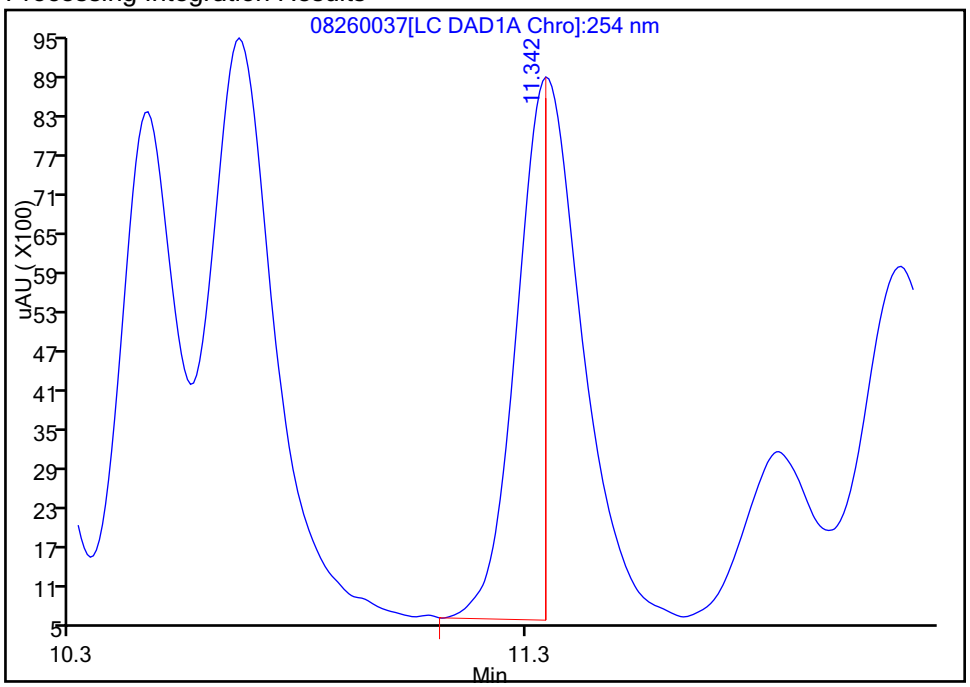
Manual Integration/User Assign Peak Report

Data File:	\\Denchrom\chromdata\X4_C18\20110826-2399.b\08260037.D		
Injection Date:	27-Aug-2011 01:27:55	Limit Group:	GCSV - 8330B
Client ID:	NWO-178-0003	Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	83223	Lims Sample ID:	37
Operator ID:	mpk	Injection Vol:	100.00 ul

14 2,4,6-Trinitrotoluene, Signal: 1, Type: quant, RT: 11.36, Det: LC DAD1B

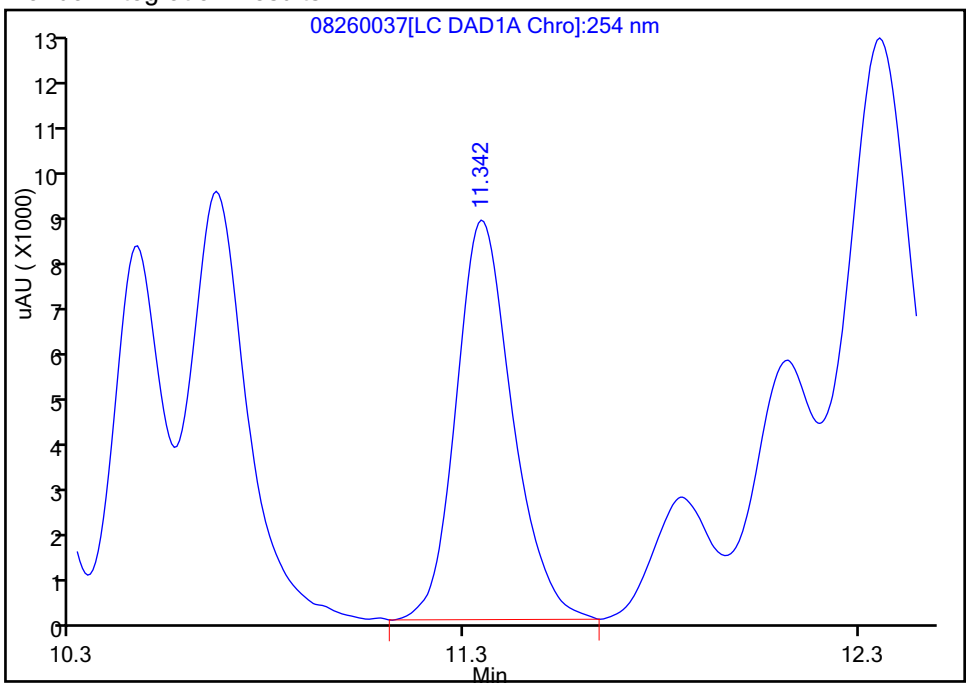
Processing Integration Results

RT: 11.34
Response: 36254
Amount: 0.114352



Manual Integration Results

RT: 11.34
Response: 82159
Amount: 0.259145



Reviewer: kellisonm, 29-Aug-2011 10:03:12
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Instrument ID: CHHPLCX4_C18 Start Date: 07/26/2011 19:29

Analysis Batch Number: 78309 End Date: 07/28/2011 00:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 280-78309/7		07/26/2011 19:29	1	07260007.D	UltraCarb5uODS 4.6(mm)
IC 280-78309/8		07/26/2011 19:55	1	07260008.D	UltraCarb5uODS 4.6(mm)
IC 280-78309/9		07/26/2011 20:22	1	07260009.D	UltraCarb5uODS 4.6(mm)
IC 280-78309/10		07/26/2011 20:48	1	07260010.D	UltraCarb5uODS 4.6(mm)
IC 280-78309/11		07/26/2011 21:14	1	07260011.D	UltraCarb5uODS 4.6(mm)
IC 280-78309/12		07/26/2011 21:41	1	07260012.D	UltraCarb5uODS 4.6(mm)
IC 280-78309/13		07/26/2011 22:07	1	07260013.D	UltraCarb5uODS 4.6(mm)
IC 280-78309/14		07/26/2011 22:33	1	07260014.D	UltraCarb5uODS 4.6(mm)
ICV 280-78309/15		07/26/2011 22:59	1	07260015.D	UltraCarb5uODS 4.6(mm)
IC 280-78309/16		07/26/2011 23:26	1		UltraCarb5uODS 4.6(mm)
IC 280-78309/17		07/26/2011 23:52	1		UltraCarb5uODS 4.6(mm)
IC 280-78309/18		07/27/2011 00:18	1		UltraCarb5uODS 4.6(mm)
IC 280-78309/19		07/27/2011 00:45	1		UltraCarb5uODS 4.6(mm)
IC 280-78309/20		07/27/2011 01:11	1		UltraCarb5uODS 4.6(mm)
IC 280-78309/21		07/27/2011 01:37	1		UltraCarb5uODS 4.6(mm)
IC 280-78309/22		07/27/2011 02:04	1		UltraCarb5uODS 4.6(mm)
IC 280-78309/23		07/27/2011 02:30	1		UltraCarb5uODS 4.6(mm)
ICV 280-78309/24		07/27/2011 02:56	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/27/2011 03:22	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/27/2011 03:49	1		UltraCarb5uODS 4.6(mm)
CCV 280-78309/37		07/27/2011 08:38	1		UltraCarb5uODS 4.6(mm)
CCV 280-78309/38		07/27/2011 09:05	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/27/2011 10:24	2		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/27/2011 10:50	10		UltraCarb5uODS 4.6(mm)
CCV 280-78309/48		07/27/2011 13:28	1		UltraCarb5uODS 4.6(mm)
CCV 280-78309/49		07/27/2011 13:54	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/27/2011 19:36	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/27/2011 20:03	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/27/2011 20:29	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/27/2011 20:55	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/27/2011 21:22	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/27/2011 21:48	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/27/2011 22:14	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/27/2011 22:41	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/27/2011 23:07	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/27/2011 23:34	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/28/2011 00:00	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/28/2011 00:26	1		UltraCarb5uODS 4.6(mm)
CCV 280-78309/74		07/28/2011 00:53	1		UltraCarb5uODS 4.6(mm)

8330B

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Instrument ID: CHHPLCX4_C18 Start Date: 08/26/2011 12:44

Analysis Batch Number: 83223 End Date: 08/27/2011 11:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 280-83223/7		08/26/2011 12:44	1		UltraCarb5uODS 4.6(mm)
CCV 280-83223/8		08/26/2011 13:10	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		08/26/2011 15:48	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		08/26/2011 16:14	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		08/26/2011 16:41	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		08/26/2011 17:08	1		UltraCarb5uODS 4.6(mm)
CCV 280-83223/19		08/26/2011 17:34	1	08260019.D	UltraCarb5uODS 4.6(mm)
CCV 280-83223/20		08/26/2011 18:00	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		08/26/2011 18:26	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		08/26/2011 18:53	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		08/26/2011 19:19	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		08/26/2011 19:45	500		UltraCarb5uODS 4.6(mm)
ZZZZZ		08/26/2011 20:12	500		UltraCarb5uODS 4.6(mm)
ZZZZZ		08/26/2011 20:38	500		UltraCarb5uODS 4.6(mm)
MB 280-82896/1-A		08/26/2011 21:04	1	08260027.D	UltraCarb5uODS 4.6(mm)
PB 280-82481/20-B		08/26/2011 21:31	1	08260028.D	UltraCarb5uODS 4.6(mm)
LCSSRM 280-82481/21-B		08/26/2011 21:57	1	08260029.D	UltraCarb5uODS 4.6(mm)
LCS 280-82896/4-A		08/26/2011 22:23	1	08260030.D	UltraCarb5uODS 4.6(mm)
CCV 280-83223/31		08/26/2011 22:50	1	08260031.D	UltraCarb5uODS 4.6(mm)
CCV 280-83223/32		08/26/2011 23:16	1		UltraCarb5uODS 4.6(mm)
280-19386-1	NWO-178-0001	08/26/2011 23:42	1	08260033.D	UltraCarb5uODS 4.6(mm)
280-19386-2	NWO-178-0002	08/27/2011 00:08	1	08260034.D	UltraCarb5uODS 4.6(mm)
280-19386-3	NWO-178-0003	08/27/2011 00:35	1	08260035.D	UltraCarb5uODS 4.6(mm)
280-19386-3 MS	NWO-178-0003 MS	08/27/2011 01:01	1	08260036.D	UltraCarb5uODS 4.6(mm)
280-19386-3 MSD	NWO-178-0003 MSD	08/27/2011 01:27	1	08260037.D	UltraCarb5uODS 4.6(mm)
280-19386-4	NWO-178-0004	08/27/2011 01:54	1	08260038.D	UltraCarb5uODS 4.6(mm)
280-19386-5	NWO-178-0005	08/27/2011 02:20	1	08260039.D	UltraCarb5uODS 4.6(mm)
280-19386-6	NWO-178-0006	08/27/2011 02:46	1	08260040.D	UltraCarb5uODS 4.6(mm)
280-19386-7	NWO-178-0009	08/27/2011 03:13	1	08260041.D	UltraCarb5uODS 4.6(mm)
280-19386-8	NWO-178-0010	08/27/2011 03:39	1	08260042.D	UltraCarb5uODS 4.6(mm)
CCV 280-83223/43		08/27/2011 04:05	1	08260043.D	UltraCarb5uODS 4.6(mm)
CCV 280-83223/44		08/27/2011 04:32	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		08/27/2011 04:58	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		08/27/2011 05:24	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		08/27/2011 05:51	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		08/27/2011 06:17	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		08/27/2011 06:43	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		08/27/2011 07:10	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		08/27/2011 07:36	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		08/27/2011 08:02	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		08/27/2011 08:29	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		08/27/2011 08:55	1		UltraCarb5uODS 4.6(mm)
CCV 280-83223/55		08/27/2011 09:21	1	08260055.D	UltraCarb5uODS 4.6(mm)
CCV 280-83223/56		08/27/2011 09:47	1		UltraCarb5uODS 4.6(mm)

8330B

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Instrument ID: CHHPLCX4_C18 Start Date: 08/26/2011 12:44

Analysis Batch Number: 83223 End Date: 08/27/2011 11:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/27/2011 10:14	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		08/27/2011 10:40	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		08/27/2011 11:06	1		UltraCarb5uODS 4.6(mm)
CCV 280-83223/60		08/27/2011 11:33	1	08260060.D	UltraCarb5uODS 4.6(mm)
CCV 280-83223/61		08/27/2011 11:59	1		UltraCarb5uODS 4.6(mm)

8330B

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Batch Number: 82896 Batch Start Date: 08/24/11 20:28 Batch Analyst: Cokley, Cheyana D

Batch Method: 8330B Batch End Date: 08/25/11 21:05

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8330 GrindLCS 00060	8330 LCS 00024	8330Surrogate 00040	
MB 280-82896/1		8330B, 8330B		10.16 g	40000 uL			1 mL	
PB 280-82481/20-A		8330B, 8330B		10.22 g	40000 uL			1 mL	
LCSSRM 280-82481/21-A		8330B, 8330B		10.50 g	40000 uL	10.5 g		1 mL	
LCS 280-82896/4		8330B, 8330B		10.38 g	40000 uL		1 mL	1 mL	
280-19386-A-1-A	NWO-178-0001	8330B, 8330B	T	10.61 g	40000 uL			1 mL	
280-19386-A-2-A	NWO-178-0002	8330B, 8330B	T	10.60 g	40000 uL			1 mL	
280-19386-A-3-A	NWO-178-0003	8330B, 8330B	T	10.11 g	40000 uL			1 mL	
280-19386-A-3-B MS	NWO-178-0003	8330B, 8330B	T	10.13 g	40000 uL		1 mL	1 mL	
280-19386-A-3-C MSD	NWO-178-0003	8330B, 8330B	T	10.47 g	40000 uL		1 mL	1 mL	
280-19386-A-4-A	NWO-178-0004	8330B, 8330B	T	10.47 g	40000 uL			1 mL	
280-19386-A-5-A	NWO-178-0005	8330B, 8330B	T	10.61 g	40000 uL			1 mL	
280-19386-A-6-A	NWO-178-0006	8330B, 8330B	T	10.34 g	40000 uL			1 mL	
280-19386-A-7-A	NWO-178-0009	8330B, 8330B	T	10.46 g	40000 uL			1 mL	
280-19386-A-8-A	NWO-178-0010	8330B, 8330B	T	10.02 g	40000 uL			1 mL	

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Batch Number: 82896 Batch Start Date: 08/24/11 20:28 Batch Analyst: Cokley, Cheyana D

Batch Method: 8330B Batch End Date: 08/25/11 21:05

Batch Notes	
Balance ID	24750836
Person's name who did the concentration	Filtered by: Scoles, B.
Filter Lot #	00125754, 00130489
Filter Type	0.2 um
Minumum Temperature	4c
Pipette ID	C
Pipette ID for Solvent	Exp-1
Prep Solvent Volume Used	20 mL
Person's name who witnessed reagent drop	Reviewer:ScolesB
Blank Sand Lot #	2AB0606
Solvent Lot #	1.9.18/1.10.1
Solvent Name	A.ACN
Sonication Start Time	8.24.11@2047
Sonication Stop Time	8.25.11@ 1550
SOP Number	DV-OP-0018
Maximum Temperature	7c

Basis	Basis Description
T	Total/NA

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Denver Job Number: 280-19386-1

SDG No.:

Project: FUDS MMRP SI - Pocatello BR No. 3

Client Sample ID	Lab Sample ID
NWO-178-0001	280-19386-1
NWO-178-0002	280-19386-2
NWO-178-0003	280-19386-3
NWO-178-0004	280-19386-4
NWO-178-0005	280-19386-5
NWO-178-0006	280-19386-6
NWO-178-0009	280-19386-7
NWO-178-0010	280-19386-8
NWO-178-5001	280-19386-9

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: NWO-178-0001 Lab Sample ID: 280-19386-1

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG ID.:

Matrix: Solid Date Sampled: 08/18/2011 15:51

Reporting Basis: WET Date Received: 08/22/2011 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	15300	245	7.59	mg/Kg		B J	5	6010B
7440-39-3	Barium	174	0.229	0.0323	mg/Kg			1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: NWO-178-0002 Lab Sample ID: 280-19386-2

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG ID.:

Matrix: Solid Date Sampled: 08/19/2011 16:17

Reporting Basis: WET Date Received: 08/22/2011 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	12300	48.4	1.50	mg/Kg		B J	1	6010B
7440-39-3	Barium	187	0.240	0.0338	mg/Kg			1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: NWO-178-0003
Lab Sample ID: 280-19386-3
Lab Name: TestAmerica Denver
Job No.: 280-19386-1
SDG ID.:
Matrix: Solid
Date Sampled: 08/19/2011 15:06
Reporting Basis: WET
Date Received: 08/22/2011 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	11900	47.3	1.47	mg/Kg		J B	1	6010B
7440-39-3	Barium	181	0.249	0.0350	mg/Kg		J	1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: NWO-178-0004 Lab Sample ID: 280-19386-4

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG ID.:

Matrix: Solid Date Sampled: 08/20/2011 09:38

Reporting Basis: WET Date Received: 08/22/2011 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13400	233	7.23	mg/Kg		B J	5	6010B
7440-39-3	Barium	223	0.249	0.0351	mg/Kg			1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: NWO-178-0005 Lab Sample ID: 280-19386-5

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG ID.:

Matrix: Solid Date Sampled: 08/19/2011 10:51

Reporting Basis: WET Date Received: 08/22/2011 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	11300	49.5	1.53	mg/Kg		B J	1	6010B
7440-39-3	Barium	174	0.244	0.0344	mg/Kg			1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: NWO-178-0006 Lab Sample ID: 280-19386-6

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG ID.:

Matrix: Solid Date Sampled: 08/18/2011 17:35

Reporting Basis: WET Date Received: 08/22/2011 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	16100	246	7.61	mg/Kg		B J	5	6010B
7440-39-3	Barium	180	0.235	0.0331	mg/Kg			1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: NWO-178-0009 Lab Sample ID: 280-19386-7

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG ID.:

Matrix: Solid Date Sampled: 08/18/2011 16:49

Reporting Basis: WET Date Received: 08/22/2011 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	10300	47.1	1.46	mg/Kg		B J	1	6010B
7440-39-3	Barium	209	0.246	0.0346	mg/Kg			1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: NWO-178-0010 Lab Sample ID: 280-19386-8

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG ID.:

Matrix: Solid Date Sampled: 08/19/2011 09:21

Reporting Basis: WET Date Received: 08/22/2011 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	10400	48.5	1.50	mg/Kg		B J	1	6010B
7440-39-3	Barium	176	0.229	0.0323	mg/Kg			1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: NWO-178-5001 Lab Sample ID: 280-19386-9

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG ID.:

Matrix: Solid Date Sampled: 08/17/2011 17:40

Reporting Basis: WET Date Received: 08/22/2011 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	10400	46.1	1.43	mg/Kg		B J	1	6010B
7440-39-3	Barium	205	0.240	0.0338	mg/Kg			1	6020

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

ICV Source: ICP ICVH_00061 Concentration Units: ug/L

CCV Source: ICP CCVH_00183

Analyte	ICVH 280-83183/6 08/25/2011 12:55				CCVH 280-83183/33 08/25/2011 16:01				CCVH 280-83183/46 08/25/2011 16:39			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	40000		40000	100	50200		50000	100	50200		50000	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

ICV Source: ICP ICVH_00061 Concentration Units: ug/L

CCV Source: ICP CCVH_00183

Analyte	CCVH 280-83183/56 08/25/2011 17:08											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	49900		50000	100								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

ICV Source: ICP ICVL_00056 Concentration Units: ug/L

CCV Source: ICP CCVL_00186

Analyte	ICV 280-83183/7 08/25/2011 12:58				CCV 280-83183/34 08/25/2011 16:03				CCV 280-83183/47 08/25/2011 16:41			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	253		250	101	513		500	103	513		500	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

ICV Source: ICP ICVL_00056 Concentration Units: ug/L

CCV Source: ICP CCVL_00186

Analyte	CCV 280-83183/57 08/25/2011 17:11											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	514		500	103								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

ICV Source: ICP ICVH_00061 Concentration Units: ug/L

CCV Source: ICP CCVH_00183

Analyte	ICVH 280-83441/6 08/26/2011 13:45				CCVH 280-83441/30 08/26/2011 15:05				CCVH 280-83441/44 08/26/2011 15:40			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	39800		40000	100	49200		50000	98	49000		50000	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

ICV Source: ICP ICVL_00056 Concentration Units: ug/L

CCV Source: ICP CCVL_00186

Analyte	ICV 280-83441/7 08/26/2011 13:48				CCV 280-83441/31 08/26/2011 15:07				CCV 280-83441/45 08/26/2011 15:43			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	253		250	101	505		500	101	507		500	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

ICV Source: MS ICV_00405 Concentration Units: ug/L

CCV Source: MS CCV_00406

Analyte	ICV 280-83216/4 08/25/2011 20:46				CCV 280-83216/14 08/25/2011 21:15				CCV 280-83216/26 08/25/2011 21:51			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Barium	39.9		40.0	100	50.0		50.0	100	50.3		50.0	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

ICV Source: MS ICV_00405 Concentration Units: ug/L

CCV Source: MS CCV_00406

Analyte	CCV 280-83216/38 08/25/2011 22:26				CCV 280-83216/47 08/25/2011 22:52							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Barium	50.4		50.0	101	50.9		50.0	102				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Method: 6010B Instrument ID: MT_026

Lab Sample ID: CRI 280-83183/12 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_00442

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	103		103	80-120

Lab Sample ID: CRI 280-83441/14 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_00443

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	108		108	80-120

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Method: 6020 Instrument ID: MT_024

Lab Sample ID: CRI 280-83216/7 Concentration Units: ug/L

CRQL Check Standard Source: MS RL STD_00415

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Barium	1.00	0.980	J	98	80-120

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

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-83183/11 08/25/2011 13:10		CCB 280-83183/35 08/25/2011 16:06		CCB 280-83183/48 08/25/2011 16:44		CCB 280-83183/58 08/25/2011 17:13	
		Found	C	Found	C	Found	C	Found	C
Aluminum	100	18.0	U	18.0	U	18.0	U	18.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-83441/13 08/26/2011 14:13		CCB 280-83441/32 08/26/2011 15:10		CCB 280-83441/46 08/26/2011 15:45			
		Found	C	Found	C	Found	C	Found	C
Aluminum	100	18.0	U	18.0	U	18.0	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-83216/6 08/25/2011 20:52		CCB 280-83216/15 08/25/2011 21:18		CCB 280-83216/27 08/25/2011 21:54		CCB 280-83216/39 08/25/2011 22:28	
		Found	C	Found	C	Found	C	Found	C
Barium	1.00	0.290	U	0.290	U	0.290	U	0.290	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 280-83216/48 08/25/2011 22:55							
		Found	C	Found	C	Found	C	Found	C
Barium	1.00	0.290	U						

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 280-82729/1-A

Instrument Code: MT_026 Batch No.: 83183

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	35.1	J		6010B

FORM III-IN

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 280-82731/1-A

Instrument Code: MT_024 Batch No.: 83216

CAS No.	Analyte	Concentration	C	Q	Method
7440-39-3	Barium	0.0351	U		6020

FORM III-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Lab Sample ID: ICSA 280-83183/15 Instrument ID: MT_026

Lab File ID: 26A2082511.asc ICS Source: ICP ICSA_00045

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**503610**	**101**
Antimony		*-1.67*	
Arsenic		*-10.5*	
Barium		*0.500*	
Beryllium		*-0.320*	
Bismuth		*-5.42*	
Boron		*-2.39*	
Cadmium		*-0.420*	
Calcium	*500000*	*462930*	*93*
Chromium		*1.57*	
Cobalt		*-0.520*	
Copper		*4.51*	
Iron	*200000*	*186820*	*93*
Lead		*3.22*	
Lithium		*-1.18*	
Magnesium	*500000*	*508000*	*102*
Manganese		*2.13*	
Molybdenum		*-2.46*	
Nickel		*-0.900*	
Phosphorus		*-3.40*	
Potassium		*2.06*	
Selenium		*-11.1*	
Silicon		*1.76*	
Silver		*-0.670*	
Sodium		*97.9*	
Strontium		*2.21*	
Thallium		*3.27*	
Thorium		*2.56*	
Tin		*-0.950*	
Titanium		*-2.80*	
Vanadium		*-0.0500*	
Zinc		*6.30*	
Zirconium		*1.34*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Lab Sample ID: ICSAB 280-83183/16 Instrument ID: MT_026

Lab File ID: 26A2082511.asc ICS Source: ICP ICSAB_00036

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**503530**	**101**
Antimony	*1000*	*989*	*99*
Arsenic	*2000*	*2000*	*100*
Barium	*500*	*492*	*98*
Beryllium	*500*	*477*	*95*
Bismuth	*1000*	*1089*	*109*
Boron	*2000*	*1896*	*95*
Cadmium	*1000*	*1021*	*102*
Calcium	*500000*	*458270*	*92*
Chromium	*500*	*490*	*98*
Cobalt	*500*	*468*	*94*
Copper	*500*	*536*	*107*
Iron	*200000*	*185760*	*93*
Lead	*1000*	*948*	*95*
Lithium	*1000*	*1022*	*102*
Magnesium	*500000*	*499190*	*100*
Manganese	*500*	*506*	*101*
Molybdenum	*1000*	*977*	*98*
Nickel	*1000*	*926*	*93*
Phosphorus	*2000*	*1921*	*96*
Potassium	*50000*	*51660*	*103*
Selenium	*5000*	*4778*	*96*
Silicon	*10000*	*9639*	*96*
Silver	*1000*	*1087*	*109*
Sodium	*50000*	*51255*	*103*
Strontium	*1000*	*987*	*99*
Thallium	*10000*	*8710*	*87*
Thorium	*2000*	*2042*	*102*
Tin	*10000*	*9183*	*92*
Titanium	*1000*	*1000*	*100*
Vanadium	*500*	*508*	*102*
Zinc	*1000*	*985*	*99*
Zirconium	*1000*	*980*	*98*

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Lab Sample ID: ICSA 280-83441/16 Instrument ID: MT_026

Lab File ID: 26A1082611.asc ICS Source: ICP ICSA_00045

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**500840**	**100**
Antimony		*0.370*	
Arsenic		*-2.69*	
Barium		*0.380*	
Beryllium		*-0.290*	
Bismuth		*-11.7*	
Boron		*-1.21*	
Cadmium		*-1.32*	
Calcium	*500000*	*456050*	*91*
Chromium		*1.45*	
Cobalt		*0.140*	
Copper		*4.16*	
Iron	*200000*	*187190*	*94*
Lead		*0.370*	
Lithium		*-1.25*	
Magnesium	*500000*	*510200*	*102*
Manganese		*2.19*	
Molybdenum		*-2.82*	
Nickel		*0.920*	
Phosphorus		*0.570*	
Potassium		*-42.4*	
Selenium		*-4.46*	
Silicon		*13.2*	
Silver		*0.130*	
Sodium		*128*	
Strontium		*1.99*	
Thallium		*1.16*	
Thorium		*3.48*	
Tin		*-2.16*	
Titanium		*-2.89*	
Vanadium		*0.340*	
Zinc		*9.09*	
Zirconium		*0.980*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Lab Sample ID: ICSAB 280-83441/17 Instrument ID: MT_026

Lab File ID: 26A1082611.asc ICS Source: ICP ICSAB_00036

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**497730**	**100**
Antimony	*1000*	*1003*	*100*
Arsenic	*2000*	*2015*	*101*
Barium	*500*	*490*	*98*
Beryllium	*500*	*476*	*95*
Bismuth	*1000*	*1081*	*108*
Boron	*2000*	*1931*	*97*
Cadmium	*1000*	*1031*	*103*
Calcium	*500000*	*455060*	*91*
Chromium	*500*	*488*	*98*
Cobalt	*500*	*467*	*93*
Copper	*500*	*535*	*107*
Iron	*200000*	*185940*	*93*
Lead	*1000*	*951*	*95*
Lithium	*1000*	*1018*	*102*
Magnesium	*500000*	*499830*	*100*
Manganese	*500*	*504*	*101*
Molybdenum	*1000*	*975*	*98*
Nickel	*1000*	*929*	*93*
Phosphorus	*2000*	*1930*	*97*
Potassium	*50000*	*50508*	*101*
Selenium	*5000*	*4842*	*97*
Silicon	*10000*	*9430*	*94*
Silver	*1000*	*1096*	*110*
Sodium	*50000*	*52291*	*105*
Strontium	*1000*	*987*	*99*
Thallium	*10000*	*8703*	*87*
Thorium	*2000*	*2025*	*101*
Tin	*10000*	*9202*	*92*
Titanium	*1000*	*984*	*98*
Vanadium	*500*	*508*	*102*
Zinc	*1000*	*975*	*98*
Zirconium	*1000*	*974*	*97*

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Lab Sample ID: ICSA 280-83216/9 Instrument ID: MT_024

Lab File ID: 010ICSA.D ICS Source: MS ICSA_00404

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Barium		**0.177**	
Antimony		*0.312*	
Arsenic		*0.699*	
Beryllium		*0.0000*	
Cadmium		*0.784*	
Chromium		*1.21*	
Cobalt		*0.0672*	
Copper		*0.530*	
Lead		*0.149*	
Manganese		*0.368*	
Molybdenum	*2000*	*2024*	*101*
Nickel		*0.831*	
Selenium		*0.360*	
Silver		*0.0555*	
Thallium		*0.0563*	
Thorium		*0.0318*	
Tin		*0.183*	
Uranium		*0.0041*	
Vanadium		*0.0959*	
Zinc		*2.89*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Lab Sample ID: ICSAB 280-83216/10 Instrument ID: MT_024

Lab File ID: 011ICSB.D ICS Source: MS ICSAB_00406

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Barium	**100**	**103**	**103**
Antimony	*100*	*102*	*102*
Arsenic	*100*	*99.4*	*99*
Beryllium	*100*	*96.9*	*97*
Cadmium	*100*	*94.1*	*94*
Chromium	*100*	*102*	*102*
Cobalt	*100*	*92.7*	*93*
Copper	*100*	*89.1*	*89*
Lead	*100*	*96.5*	*96*
Manganese	*100*	*102*	*102*
Molybdenum	*2100*	*2197*	*105*
Nickel	*100*	*91.9*	*92*
Selenium	*100*	*104*	*104*
Silver	*100*	*84.9*	*85*
Thallium	*100*	*97.3*	*97*
Thorium	*100*	*109*	*109*
Tin	*100*	*101*	*101*
Uranium	*100*	*109*	*109*
Vanadium	*100*	*105*	*105*
Zinc	*100*	*97.5*	*97*

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

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: NWO-178-0003 MS
Lab ID: 280-19386-3 MS
Lab Name: TestAmerica Denver
Job No.: 280-19386-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	14000		11900		92.6	2317	80-120	4	6010B
Barium	208		181		9.76	274	86-120	4	6020

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: NWO-178-0003 MSD Lab ID: 280-19386-3 MSD

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	13400		98.4	1551	80-120	5	20	4	6010B
Barium	205		9.41	251	86-120	1	20	4	6020

SDR = Sample Duplicate Result

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

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: NWO-178-0003 PDS Lab ID: 280-19386-3 PDS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	11700		11900		47.3	-248	75-125	J	6010B
Barium	230		181		49.7	97	75-125		6020

SSR = Spiked Sample Result

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

FORM VB - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-82729/2-A

Lab Name: TestAmerica Denver Job No.: 280-19386-1

Sample Matrix: Solid LCS Source: ICP SPK 3A_00031

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	96.1	90.3		94	80	116		6010B

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-82731/2-A

Lab Name: TestAmerica Denver Job No.: 280-19386-1

Sample Matrix: Solid LCS Source: MS CALSTD-1_00048

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Barium	9.52	9.70		102	86	120		6020

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

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 280-19386-3

SDG No:

Lab Name: TestAmerica Denver Job No: 280-19386-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	11900		14800		24	V	6010B

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

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 280-19386-3

SDG No:

Lab Name: TestAmerica Denver Job No: 280-19386-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Barium	181		173		4.6		6020

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-19386-1

SDG Number:

Matrix: Solid Instrument ID: MT_026

Method: 6010B MDL Date: 03/01/2011 13:46

Prep Method: 3050B

Leach Method: Increm, Prep

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Aluminum	167	50	1.55

FORM IX - IN

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-19386-1

SDG Number:

Matrix: Solid Instrument ID: MT_026

Method: 6010B XMDL Date: 03/01/2011 13:47

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		100	18

FORM IX - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-19386-1

SDG Number:

Matrix: Solid Instrument ID: MT_024

Method: 6020 MDL Date: 06/20/2011 12:23

Prep Method: 3050B

Leach Method: Increm, Prep

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (ug/Kg)
Barium	137	0.25	70.5

FORM IX - IN

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-19386-1

SDG Number:

Matrix: Solid Instrument ID: MT_024

Method: 6020 XMDL Date: 06/20/2011 12:38

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Barium		1	0.29

FORM IX - IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-19386-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 07/26/2011

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Aluminum	167.079													0.001855	
Aluminum	309.271														
Antimony	206.833		0.000001						-0.000008			0.015485		0.000003	
Arsenic	189.042		-0.000022									0.000181			
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061										-0.002850			-0.000021	
Boron	208.959														
Cadmium	228.802			0.010742							0.000016				
Calcium	317.933														
Chromium	205.552						-0.002780								
Cobalt	228.616					-0.000228									
Copper	324.754														
Iron	259.940														
Iron	271.441										0.109000				
Lead	220.353		-0.000062										0.000046	0.000036	
Lithium	670.784								0.000032						
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Phosphorus	178.284														
Potassium	766.490														
Selenium	196.090								-0.000009					0.000004	
Silicon	288.158											0.000027			
Silver	328.068														
Sodium	589.592														
Sodium	818.326														
Strontium	407.771								0.000010						
Sulfur	182.034														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-19386-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 07/26/2011

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Thallium	190.856										0.006725	0.000241			
Thorium	283.730		-0.000012							-0.000171		-0.000233		0.000839	
Tin	189.989														
Titanium	334.904											0.000169			
Uranium	370.152				0.001355							-0.002090		-0.000217	
Vanadium	292.402											-0.007969			
Zinc	206.200											-0.001730			
Zirconium	339.198													-0.000026	

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-19386-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 07/26/2011

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Si	Sn	Sr	Th
Aluminum	309.271		0.003939												
Aluminum	167.079														
Antimony	206.833				-0.007803										
Arsenic	189.042				-0.000564										
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061														-0.004222
Boron	208.959				0.053817										
Cadmium	228.802														
Calcium	317.933														-0.001874
Chromium	205.552				0.000100		0.00046								
Cobalt	228.616				-0.001154		0.000049								
Copper	324.754														0.002944
Iron	259.940														
Iron	271.441														
Lead	220.353		0.000001		-0.001630		0.000200				0.000013	0.000074			
Lithium	670.784		0.000008												
Magnesium	279.079														-0.028160
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Phosphorus	178.284														
Potassium	766.490														
Selenium	196.090			0.000468											-0.000475
Silicon	288.158				-0.005890								0.001650		
Silver	328.068				-0.000308										-0.000491
Sodium	818.326														
Sodium	589.592														
Strontium	407.771														
Sulfur	182.034			0.005840	0.000664										

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-19386-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 07/26/2011

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Si	Sn	Sr	Th
Thallium	190.856			0.000720	-0.000286										
Thorium	283.730		-0.000002		0.000415		0.000139								
Tin	189.989														
Titanium	334.904		0.000009		0.000999										0.008581
Uranium	370.152				0.001220										-0.004100
Vanadium	292.402			-0.006557											0.001332
Zinc	206.200														
Zirconium	339.198				0.000494							0.000018			0.066165

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-19386-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 07/26/2011

Analyte	Wave Length	Ti	Tl	U	V	Zn	Zr								
Aluminum	167.079														
Aluminum	309.271														
Antimony	206.833			-0.001080			-0.001150								
Arsenic	189.042														
Barium	455.403						0.001353								
Beryllium	313.042	-0.000233													
Bismuth	223.061	-0.003399		-0.000669											
Boron	208.959														
Cadmium	228.802														
Calcium	317.933														
Chromium	205.552			0.000035											
Cobalt	228.616	0.001858													
Copper	324.754	-0.000535					-0.002353								
Iron	259.940														
Iron	271.441				-0.456000		-0.128890								
Lead	220.353	-0.000765		0.000568											
Lithium	670.784														
Magnesium	279.079			-0.010626											
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Phosphorus	178.284														
Potassium	766.490														
Selenium	196.090			-0.001609											
Silicon	288.158														
Silver	328.068			0.001560			0.002740								
Sodium	589.592														
Sodium	818.326														
Strontium	407.771														
Sulfur	182.034														

X-IN

10-IN

ICP-AES INTERELEMENT CORRECTION FACTORS

METALS

Lab Name: TestAmerica Denver Job Number: 280-19386-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 07/26/2011

Analyte	Wave Length	Ti	Tl	U	V	Zn	Zr								
Thallium	190.856	-0.000928		-0.000656	-0.002258										
Thorium	283.730			0.022130			0.022520								
Tin	189.989	-0.000896													
Titanium	334.904			-0.000660											
Uranium	370.152	0.006150													
Vanadium	292.402	0.000957		-0.000553											
Zinc	206.200														
Zirconium	339.198														

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Denver Job No: 280-19386-1

SDG No.:

Instrument ID: MT_026 Date: 08/01/2011 16:19

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Aluminum		1000	6010B

FORM XI - IN

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Denver Job No: 280-19386-1

SDG No.:

Instrument ID: MT_024 Date: 07/11/2011 16:13

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Barium		4000	6020

FORM XI - IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 280-82729/1-A	08/23/2011 20:26	82729	10.64		500
LCS 280-82729/2-A	08/23/2011 20:26	82729	10.41		500
280-19386-1	08/23/2011 20:26	82729	10.21		500
280-19386-2	08/23/2011 20:26	82729	10.33		500
280-19386-3	08/23/2011 20:26	82729	10.56		500
280-19386-3 MS	08/23/2011 20:26	82729	10.80		500
280-19386-3 MSD	08/23/2011 20:26	82729	10.16		500
280-19386-4	08/23/2011 20:26	82729	10.72		500
280-19386-5	08/23/2011 20:26	82729	10.10		500
280-19386-6	08/23/2011 20:26	82729	10.18		500
280-19386-7	08/23/2011 20:26	82729	10.61		500
280-19386-8	08/23/2011 20:26	82729	10.31		500
280-19386-9	08/23/2011 20:26	82729	10.85		500

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 280-82731/1-A	08/25/2011 06:00	82731	10.05		500
LCS 280-82731/2-A	08/25/2011 06:00	82731	10.50		500
280-19386-1	08/25/2011 06:00	82731	10.91		500
280-19386-2	08/25/2011 06:00	82731	10.42		500
280-19386-3	08/25/2011 06:00	82731	10.06		500
280-19386-3 MS	08/25/2011 06:00	82731	10.25		500
280-19386-3 MSD	08/25/2011 06:00	82731	10.63		500
280-19386-4	08/25/2011 06:00	82731	10.05		500
280-19386-5	08/25/2011 06:00	82731	10.26		500
280-19386-6	08/25/2011 06:00	82731	10.66		500
280-19386-7	08/25/2011 06:00	82731	10.18		500
280-19386-8	08/25/2011 06:00	82731	10.91		500
280-19386-9	08/25/2011 06:00	82731	10.42		500

FORM XII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Instrument ID: MT_026 Method: 6010B

Start Date: 08/25/2011 12:41 End Date: 08/25/2011 17:16

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al																			
ICIS 280-83183/1	1		12:41	X																			
IC 280-83183/2			12:44	X																			
IC 280-83183/3			12:46	X																			
ZZZZZZ			12:49																				
ZZZZZZ			12:51																				
ICVH 280-83183/6	1		12:55	X																			
ICV 280-83183/7	1		12:58	X																			
ZZZZZZ			13:02																				
CCVH 280-83183/9			13:06																				
CCV 280-83183/10			13:08																				
ICB 280-83183/11	1		13:10	X																			
CRI 280-83183/12	1		13:13	X																			
ZZZZZZ			13:23																				
CRI 280-83183/14			13:27																				
ICSA 280-83183/15	1		13:31	X																			
ICSAB 280-83183/16	1		13:37	X																			
LRA 280-83183/17			13:40																				
CCVH 280-83183/18			13:43																				
CCV 280-83183/19			13:45																				
CCB 280-83183/20			13:48																				
ZZZZZZ			13:50																				
CCVH 280-83183/22			15:34																				
CCV 280-83183/23			15:36																				
CCB 280-83183/24			15:39																				
ZZZZZZ			15:41																				
ZZZZZZ			15:44																				
ZZZZZZ			15:47																				
ZZZZZZ			15:49																				
ZZZZZZ			15:51																				
ZZZZZZ			15:54																				
ZZZZZZ			15:56																				
ZZZZZZ			15:58																				
CCVH 280-83183/33	1		16:01	X																			
CCV 280-83183/34	1		16:03	X																			
CCB 280-83183/35	1		16:06	X																			
ZZZZZZ			16:08																				
MB 280-82729/1-A	1	T	16:11	X																			
LCS 280-82729/2-A	1	T	16:13	X																			
ZZZZZZ			16:16																				
280-19386-2	1	T	16:19	X																			
280-19386-3	1	T	16:22	X																			
280-19386-3 SD	5	T	16:26	X																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Instrument ID: MT_026 Method: 6010B

Start Date: 08/25/2011 12:41 End Date: 08/25/2011 17:16

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al																			
280-19386-3 MS	1	T	16:28	X																			
280-19386-3 MSD	1	T	16:32	X																			
280-19386-3 PDS	1	T	16:35	X																			
CCVH 280-83183/46	1		16:39	X																			
CCV 280-83183/47	1		16:41	X																			
CCB 280-83183/48	1		16:44	X																			
ZZZZZZ			16:46																				
ZZZZZZ			16:49																				
280-19386-5	1	T	16:52	X																			
ZZZZZZ			16:55																				
280-19386-7	1	T	16:59	X																			
280-19386-8	1	T	17:02	X																			
280-19386-9	1	T	17:05	X																			
CCVH 280-83183/56	1		17:08	X																			
CCV 280-83183/57	1		17:11	X																			
CCB 280-83183/58	1		17:13	X																			
ZZZZZZ			17:16																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Instrument ID: MT_026 Method: 6010B

Start Date: 08/26/2011 13:32 End Date: 08/26/2011 15:48

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al																			
ICIS 280-83441/1	1		13:32	X																			
IC 280-83441/2			13:34	X																			
IC 280-83441/3			13:37	X																			
ZZZZZZ			13:40																				
ZZZZZZ			13:42																				
ICVH 280-83441/6	1		13:45	X																			
ICV 280-83441/7	1		13:48	X																			
ZZZZZZ			13:55																				
CCVH 280-83441/9			13:58																				
CCV 280-83441/10			14:00																				
ICB 280-83441/11			14:03																				
ZZZZZZ			14:08																				
ICB 280-83441/13	1		14:13	X																			
CRI 280-83441/14	1		14:19	X																			
CRI 280-83441/15			14:23																				
ICSA 280-83441/16	1		14:28	X																			
ICSAB 280-83441/17	1		14:31	X																			
LRA 280-83441/18			14:34																				
CCVH 280-83441/19			14:37																				
CCV 280-83441/20			14:40																				
CCB 280-83441/21			14:42																				
ZZZZZZ			14:45																				
ZZZZZZ			14:47																				
ZZZZZZ			14:50																				
ZZZZZZ			14:52																				
ZZZZZZ			14:55																				
ZZZZZZ			14:57																				
ZZZZZZ			15:00																				
ZZZZZZ			15:02																				
CCVH 280-83441/30	1		15:05	X																			
CCV 280-83441/31	1		15:07	X																			
CCB 280-83441/32	1		15:10	X																			
ZZZZZZ			15:12																				
ZZZZZZ			15:15																				
ZZZZZZ			15:17																				
ZZZZZZ			15:20																				
ZZZZZZ			15:23																				
ZZZZZZ			15:25																				
ZZZZZZ			15:28																				
ZZZZZZ			15:31																				
280-19386-1	5	T	15:33	X																			
280-19386-4	5	T	15:36	X																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Instrument ID: MT_026 Method: 6010B

Start Date: 08/26/2011 13:32 End Date: 08/26/2011 15:48

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al																			
280-19386-6	5	T	15:38	X																			
CCVH 280-83441/44	1		15:40	X																			
CCV 280-83441/45	1		15:43	X																			
CCB 280-83441/46	1		15:45	X																			
ZZZZZZ			15:48																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Instrument ID: MT_024 Method: 6020

Start Date: 08/25/2011 20:35 End Date: 08/25/2011 23:53

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ba																			
ITUNE 280-83216/1			20:35																				
IC 280-83216/2	1		20:41	X																			
IC 280-83216/3	1		20:44	X																			
ICV 280-83216/4	1		20:46	X																			
ZZZZZZ			20:49																				
ICB 280-83216/6	1		20:52	X																			
CRI 280-83216/7	1		20:55	X																			
ZZZZZZ			20:58																				
ICSA 280-83216/9	1		21:01	X																			
ICSAB 280-83216/10	1		21:04	X																			
RINSE 280-83216/11			21:07																				
LRA 280-83216/12			21:10																				
RINSE 280-83216/13			21:13																				
CCV 280-83216/14	1		21:15	X																			
CCB 280-83216/15	1		21:18	X																			
ZZZZZZ			21:21																				
ZZZZZZ			21:24																				
ZZZZZZ			21:27																				
ZZZZZZ			21:30																				
ZZZZZZ			21:33																				
ZZZZZZ			21:36																				
ZZZZZZ			21:39																				
ZZZZZZ			21:42																				
ZZZZZZ			21:45																				
ZZZZZZ			21:48																				
CCV 280-83216/26	1		21:51	X																			
CCB 280-83216/27	1		21:54	X																			
ZZZZZZ			21:56																				
MB 280-82731/1-A	1	T	21:59	X																			
LCS 280-82731/2-A	1	T	22:02	X																			
280-19386-1	1	T	22:05	X																			
280-19386-2	1	T	22:08	X																			
280-19386-3	1	T	22:11	X																			
280-19386-3 SD	5	T	22:14	X																			
280-19386-3 PDS	1	T	22:17	X																			
280-19386-3 MS	1	T	22:20	X																			
280-19386-3 MSD	1	T	22:23	X																			
CCV 280-83216/38	1		22:26	X																			
CCB 280-83216/39	1		22:28	X																			
ZZZZZZ			22:31																				
280-19386-4	1	T	22:34	X																			
280-19386-5	1	T	22:37	X																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Instrument ID: MT_024 Method: 6020

Start Date: 08/25/2011 20:35 End Date: 08/25/2011 23:53

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ba																			
280-19386-6	1	T	22:40	X																			
280-19386-7	1	T	22:43	X																			
280-19386-8	1	T	22:46	X																			
280-19386-9	1	T	22:49	X																			
CCV 280-83216/47	1		22:52	X																			
CCB 280-83216/48	1		22:55	X																			
ZZZZZZ			22:58																				
ZZZZZZ			23:01																				
ZZZZZZ			23:04																				
ZZZZZZ			23:06																				
ZZZZZZ			23:09																				
ZZZZZZ			23:12																				
ZZZZZZ			23:15																				
CCV 280-83216/56			23:18																				
CCB 280-83216/57			23:21																				
ZZZZZZ			23:24																				
ZZZZZZ			23:27																				
ZZZZZZ			23:30																				
ZZZZZZ			23:33																				
ZZZZZZ			23:35																				
ZZZZZZ			23:38																				
ZZZZZZ			23:41																				
ZZZZZZ			23:44																				
ZZZZZZ			23:47																				
CCV 280-83216/67			23:50																				
CCB 280-83216/68			23:53																				

Prep Types

T = Total/NA

14-IN
ICP-MS TUNE
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

ICP-MS Instrument ID: MT_024 Analysis Date: 08/25/11

Lab ID: ITUNE 280-83216/1

Element - Mass	Avg. Measured Mass (amu)	Avg. Peak Width at Peak Height (amu)	% RSD	Q
Li-7	7.00	0.55	1.23	
Be-9	9.00	0.55	1.70	
Mg-24	24.00	0.60	1.25	
Co-59	59.00	0.55	0.54	
In-115	115.05	0.55	0.73	
Pb-208	208.00	0.45	1.41	
U-238	238.05	0.45	1.48	

FORM XIV - IN

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

ICP-MS Instrument ID: MT_024 Start Date: 08/25/2011 End Date: 08/25/2011

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Ge	Q	Element In	Q	Element Ho-165	Q
IC 280-83216/2	20:41	100		100		100		100		100	
IC 280-83216/3	20:44	98		99		97		98		101	
ICV 280-83216/4	20:46	99		98		98		98		101	
ICB 280-83216/6	20:52	98		100		101		100		100	
CRI 280-83216/7	20:55	99		102		101		100		101	
ICSA 280-83216/9	21:01	95		85		81		78		85	
ICSAB 280-83216/10	21:04	99		84		78		79		85	
CCV 280-83216/14	21:15	97		98		96		98		101	
CCB 280-83216/15	21:18	99		99		98		99		101	
CCV 280-83216/26	21:51	85		83		83		88		94	
CCB 280-83216/27	21:54	86		87		87		90		95	
MB 280-82731/1-A	21:59	90		91		91		93		97	
LCS 280-82731/2-A	22:02	90		93		91		94		99	
280-19386-1	22:05	86		94		88		88		92	
280-19386-2	22:08	86		93		88		87		92	
280-19386-3	22:11	85		93		88		87		92	
280-19386-3 SD	22:14	90		95		94		95		98	
280-19386-3 PDS	22:17	84		93		87		87		92	
280-19386-3 MS	22:20	84		93		87		88		91	
280-19386-3 MSD	22:23	84		94		88		87		91	
CCV 280-83216/38	22:26	92		97		97		100		101	
CCB 280-83216/39	22:28	93		100		100		100		101	
280-19386-4	22:34	82		95		90		89		92	
280-19386-5	22:37	83		95		90		89		93	
280-19386-6	22:40	82		94		90		89		92	
280-19386-7	22:43	82		94		89		87		92	
280-19386-8	22:46	82		93		89		88		92	
280-19386-9	22:49	81		94		88		87		91	
CCV 280-83216/47	22:52	89		98		98		99		100	
CCB 280-83216/48	22:55	91		98		102		101		101	

FORM XV - IN

Sample Name: ICIS Acquired: 8/25/2011 12:41:57 Type: Cal
Method: 6500_026(v7) Mode: IR Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00088**	**.00015**	**-.04078**	**-.00026**	**.00109**	**.02535**	**-.00165**	**-.00020**	**.00495**	**-.00043**	**.00008**	**-.00109**
Stddev	.00009	.00004	.00047	.00016	.00014	.00038	.00019	.00035	.00018	.00014	.00025	.00003
%RSD	9.8415	26.165	1.1446	62.042	12.423	1.4910	11.460	172.63	3.6347	31.576	304.78	2.5167
#1	-.00082	.00018	-.04045	-.00015	.00099	.02562	-.00178	-.00045	.00483	-.00033	-.00009	-.00111
#2	-.00094	.00012	-.04111	-.00038	.00118	.02508	-.00151	.00004	.00508	-.00053	.00026	-.00107

Elem	Cu3247	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00560**	**.00043**	**.00087**	**.01604**	**.00645**	**.00012**	**.00009**	**.00052**	**-.03156**	**-.00490**	**.00292**	**.00005**
Stddev	.00014	.00017	.00014	.00153	.00638	.00003	.00007	.00011	.00320	.00232	.00020	.00009
%RSD	2.5874	39.292	16.054	9.5090	98.843	29.427	72.889	21.173	10.126	47.344	6.6936	179.51
#1	.00549	.00055	.00077	.01712	.00194	.00014	.00014	.00044	-.02930	-.00326	.00278	-.00001
#2	.00570	.00031	.00097	.01496	.01096	.00009	.00005	.00059	-.03382	-.00654	.00306	.00012

Elem	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00005**	**-.00155**	**.00049**	**.00070**	**.00101**	**.00001**	**-.00161**	**.00004**	**-.00112**	**-.00085**	**.00023**	**.00088**
Stddev	.00018	.00004	.00010	.00029	.00045	.00008	.00013	.00008	.00016	.00001	.00004	.00001
%RSD	324.68	2.7290	20.894	41.707	44.345	542.94	8.1255	207.56	14.178	1.5957	16.589	1.2339
#1	-.00007	-.00152	.00056	.00091	.00069	-.00004	-.00152	-.00002	-.00101	-.00086	.00025	.00088
#2	.00018	-.00158	.00041	.00049	.00132	.00007	-.00170	.00010	-.00124	-.00084	.00020	.00089

Elem	Zn2062	Zr3391
Units	Cts/S	Cts/S
Avg	**.00001**	**-.00296**
Stddev	.00002	.00092
%RSD	159.80	30.995
#1	.00002	-.00231
#2	.00000	-.00361

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4052.5**	**61952.**	**4545.3**
Stddev	5.7	28.	7.2
%RSD	.14060	.04461	.15835
#1	4056.6	61972.	4540.3
#2	4048.5	61933.	4550.4

Sample Name: IC1 Acquired: 8/25/2011 12:44:35 Type: Cal
Method: 6500_026(v7) Mode: IR Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.27423**	**.08234**	**.13636**	**.37892**	**4.8544**	**8.9004**	**2.2391**	**1.7353**	**1.0592**	**1.2985**	**.44683**	**.74682**	**6.9366**
Stddev	.00092	.00032	.00027	.00048	.0482	.0876	.0214	.0019	.0036	.0038	.00163	.00632	.0547
%RSD	.33553	.38842	.19682	.12602	.99363	.98439	.95409	.10808	.33591	.29161	.36438	.84648	.78873
#1	.27488	.08257	.13655	.37926	4.8203	8.8384	2.2240	1.7366	1.0617	1.3012	.44798	.74235	6.8979
#2	.27358	.08212	.13617	.37858	4.8885	8.9623	2.2543	1.7340	1.0567	1.2958	.44568	.75129	6.9753

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.7200**	**1.1868**	**1.4537**	**.68099**	**1.8034**	**.94459**	**.09524**	**.55781**	**.26761**	**.15537**	**.41365**	**.36374**	**9.3490**
Stddev	.0152	.0013	.0010	.00133	.0095	.00195	.00015	.00004	.00098	.00096	.00380	.00012	.0743
%RSD	.88359	.10569	.07146	.19529	.52827	.20604	.15283	.00701	.36699	.61624	.91949	.03174	.79513
#1	1.7092	1.1877	1.4544	.68193	1.7967	.94597	.09514	.55784	.26831	.15604	.41096	.36382	9.2965
#2	1.7307	1.1859	1.4530	.68004	1.8101	.94321	.09535	.55778	.26692	.15469	.41634	.36366	9.4016

Elem	Ti3349	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.40394**	**.24245**	**.27064**	**.03571**	**.33223**
Stddev	.00023	.00099	.00071	.00008	.00359
%RSD	.05751	.40779	.26247	.21109	1.0802
#1	.40411	.24315	.27114	.03566	.32970
#2	.40378	.24175	.27014	.03577	.33477

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4008.2**	**60122.**	**4581.1**
Stddev	5.7	96.	34.0
%RSD	.14096	.15975	.74159
#1	4004.2	60190.	4605.1
#2	4012.2	60054.	4557.1

Sample Name: IC2 Acquired: 8/25/2011 12:46:57 Type: Cal
Method: 6500_026(v7) Mode: IR Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.7769**	**.24543**	**.73579**	**3.7096**	**.31468**	**.67179**	**.13031**
Stddev	.0037	.00078	.00003	.0015	.00003	.00010	.00004
%RSD	.09918	.31907	.00426	.03955	.00954	.01442	.02978
#1	3.7795	.24488	.73581	3.7107	.31470	.67172	.13034
#2	3.7743	.24599	.73577	3.7086	.31466	.67185	.13029

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3876.3**	**57688.**	**4558.5**
Stddev	6.7	165.	6.2
%RSD	.17241	.28547	.13573
#1	3881.0	57804.	4562.9
#2	3871.6	57571.	4554.1

Sample Name: S1-940565 Acquired: 8/25/2011 12:49:33 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99627**	**1.0094**	**1.9985**	**.96755**	**.99954**	**.99916**	**.00845**	**9.9992**	**.99201**	**.99998**	**1.0025**	**.99720**	**4.9718**
Stddev	.00172	.0115	.0079	.00111	.00326	.00304	.00341	.0350	.00081	.00025	.0008	.00163	.0170
%RSD	.17222	1.1383	.39737	.11456	.32588	.30447	40.329	.34988	.08165	.02540	.07790	.16390	.34219
#1	.99506	1.0013	1.9928	.96677	.99723	.99701	.00604	9.9744	.99144	1.0002	1.0031	.99604	4.9597
#2	.99749	1.0176	2.0041	.96833	1.0018	1.0013	.01086	10.024	.99258	.99980	1.0019	.99835	4.9838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**99.674**	**2.0093**	**39.632**	**.99426**	**1.0080**	**10.152**	**9.9468**	**.99432**	**1.9780**	**1.9895**	**-.00232**	**1.9746**	**1.9776**
Stddev	.269	.0060	.068	.00027	.0001	.018	.1172	.00104	.0047	.0050	.00153	.0042	.0028
%RSD	.26947	.29669	.17153	.02681	.01137	.18159	1.1781	.10445	.23638	.25134	66.021	.21442	.14055
#1	99.484	2.0050	39.584	.99445	1.0081	10.165	9.8640	.99506	1.9813	1.9860	-.00124	1.9776	1.9756
#2	99.864	2.0135	39.680	.99408	1.0080	10.139	10.030	.99359	1.9747	1.9930	-.00340	1.9716	1.9795
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value													
Range													

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7396**	**2.0005**	**1.0018**	**-.00283**	**1.0023**	**2.0022**	**.00955**	**1.0013**	**.98932**	**1.0044**
Stddev	.0809	.0001	.0030	.00036	.0014	.0014	.01303	.0025	.00256	.0011
%RSD	.83060	.00704	.29639	12.825	.13925	.07086	136.42	.25189	.25853	.11026
#1	9.6824	2.0004	.99970	-.00308	1.0014	2.0032	.00034	.99953	.98751	1.0036
#2	9.7968	2.0006	1.0039	-.00257	1.0033	2.0012	.01877	1.0031	.99113	1.0052
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3952.4**	**59316.**	**4511.4**
Stddev	2.8	15.	11.1
%RSD	.07137	.02523	.24626
#1	3954.4	59327.	4519.3
#2	3950.4	59305.	4503.6

Sample Name: S2-940566 Acquired: 8/25/2011 12:51:53 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.04011**	**98.994**	**-.00347**	**.00393**	**.00098**	**-.00018**	**1.9986**	**.04830**	**-.00235**	**.00422**	**.00013**	**-.00405**	**99.899**
Stddev	.00040	.034	.00160	.00054	.00061	.00002	.0158	.00380	.00056	.00045	.00003	.00038	.218
%RSD	.98834	.03479	46.134	13.860	61.723	10.200	.78914	7.8742	23.967	10.752	23.735	9.3937	.21782
#1	-.04039	99.018	-.00234	.00354	.00141	-.00019	2.0098	.04561	-.00275	.00390	.00011	-.00432	99.745
#2	-.03983	98.969	-.00461	.00431	.00055	-.00017	1.9875	.05099	-.00195	.00454	.00015	-.00378	100.05
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25421**	**.00511**	**-.20643**	**.00037**	**.00117**	**501.85**	**.00252**	**.00445**	**-.00086**	**9.9909**	**-.00344**	**.02838**	**.05294**
Stddev	.01242	.00132	.00062	.00000	.00067	.99	.00005	.00086	.00031	.0180	.00235	.00593	.00697
%RSD	4.8854	25.825	.29864	.81685	56.986	.19637	1.8028	19.267	35.598	.17984	68.161	20.902	13.175
#1	.26299	.00605	-.20600	.00037	.00070	502.55	.00249	.00384	-.00064	10.004	-.00510	.03257	.05787
#2	.24543	.00418	-.20687	.00037	.00164	501.15	.00255	.00506	-.00107	9.9782	-.00178	.02418	.04801
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00474**	**.00086**	**9.9995**	**.00192**	**.00317**	**20.182**	**-.01657**	**.00274**	**.02381**
Stddev	.00046	.00006	.1013	.00014	.00027	.264	.00030	.00018	.00811
%RSD	9.6433	6.5435	1.0129	7.0866	8.5836	1.3101	1.8329	6.4667	34.067
#1	.00506	.00082	10.071	.00202	.00298	20.368	-.01635	.00287	.01808
#2	.00442	.00090	9.9278	.00182	.00336	19.995	-.01678	.00262	.02955
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3901.6**	**57324.**	**4579.9**
Stddev	15.8	324.	7.9
%RSD	.40527	.56469	.17168
#1	3890.4	57095.	4574.3
#2	3912.8	57553.	4585.4

Sample Name: ICVH-915850 Acquired: 8/25/2011 12:55:26 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01129**	**39.989**	**-.00469**	**.00079**	**.00002**	**-.00016**	**.51242**	**38.256**	**-.00038**	**.00183**	**.00000**	**-.00044**	**78.159**
Stddev	.00019	.106	.00252	.00011	.00030	.00002	.00404	.076	.00014	.00002	.0002	.00019	.384
%RSD	1.7096	.26487	53.785	14.510	1391.4	9.9574	.78925	.19905	35.664	1.0327	7668.8	42.030	.49075
#1	-.01143	40.064	-.00291	.00087	-.00019	-.00015	.50956	38.310	-.00029	.00182	.00015	-.00058	78.430
#2	-.01115	39.915	-.00647	.00071	.00023	-.00017	.51528	38.203	-.00048	.00185	-.00016	-.00031	77.887
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	Chk Pass	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01937**	**.00104**	**-.07268**	**.00040**	**-.00151**	**40.437**	**.00031**	**.00151**	**.00037**	**3.8658**	**-.00525**	**.00285**	**.02119**
Stddev	.00067	.00266	.00333	.00004	.00016	.365	.00023	.00336	.00076	.0182	.00225	.00110	.00301
%RSD	3.4772	256.76	4.5805	10.754	10.490	.90217	74.664	223.16	203.18	.47193	42.797	38.644	14.203
#1	.01985	-.00085	-.07032	.00043	-.00162	40.179	.00015	.00389	-.00016	3.8529	-.00684	.00207	.01906
#2	.01890	.00292	-.07503	.00037	-.00140	40.695	.00048	-.00087	.00091	3.8787	-.00366	.00363	.02332
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00134**	**.00052**	**2.9108**	**.00065**	**.00358**	**5.0163**	**-.00449**	**2.4343**	**.01372**
Stddev	.00050	.00000	.0152	.00003	.00053	.0356	.00011	.0072	.00379
%RSD	37.721	.18884	.52059	4.7468	14.900	.71023	2.4506	.29518	27.629
#1	.00169	.00052	2.9001	.00063	.00396	4.9911	-.00441	2.4292	.01640
#2	.00098	.00052	2.9215	.00067	.00320	5.0415	-.00456	2.4394	.01104
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4074.1**	**60749.**	**4610.3**
Stddev	1.7	112.	3.2
%RSD	.04118	.18517	.07016
#1	4075.3	60669.	4608.0
#2	4072.9	60828.	4612.6

Sample Name: ICV-939584 Acquired: 8/25/2011 12:58:14 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.24697	.25295	.24099	.23811	.24638	.24351	.00598	1.9764	.25069	.24825	.24535	.25126
Stddev	.00116	.00082	.00283	.00090	.00023	.00068	.00117	.0069	.00009	.00027	.00108	.00039
%RSD	.46863	.32312	1.1726	.37834	.09330	.28073	19.527	.34838	.03552	.10921	.43981	.15480
#1	.24779	.25352	.24299	.23875	.24654	.24303	.00681	1.9715	.25075	.24844	.24612	.25154
#2	.24616	.25237	.23899	.23747	.24622	.24399	.00516	1.9812	.25063	.24806	.24459	.25099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.24677	19.280	.24835	9.7979	.25107	.24310	2.0286	.24802	F 1.8758	.25223	.00194	.24319
Stddev	.00354	.017	.00070	.0147	.00052	.00085	.0133	.00051	.0046	.00084	.00654	.00157
%RSD	1.4354	.08583	.28353	.14955	.20587	.34929	.65498	.20405	.24288	.33485	337.00	.64665
#1	.24928	19.268	.24885	9.8082	.25144	.24370	2.0380	.24838	1.8726	.25164	.00657	.24430
#2	.24427	19.291	.24785	9.7875	.25071	.24250	2.0192	.24766	1.8791	.25283	-.00268	.24208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass
Value									2.0000			
Range									-5.0000%			

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.47850	1.9261	.48781	.24947	.00115	.24369	.50985	-.01927	.24442	.24430	.24669
Stddev	.00225	.0094	.00069	.00030	.00233	.00089	.00182	.01902	.00041	.00142	.00227
%RSD	.46923	.48639	.14171	.11976	202.94	.36695	.35794	98.743	.16583	.58066	.91851
#1	.47691	1.9194	.48732	.24926	.00279	.24432	.51114	-.03272	.24414	.24530	.24509
#2	.48009	1.9327	.48830	.24968	-.00050	.24305	.50856	-.00581	.24471	.24330	.24830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	4083.7	61550.	4598.4
Stddev	3.2	40.	13.2
%RSD	.07715	.06443	.28727
#1	4086.0	61521.	4589.1
#2	4081.5	61578.	4607.8

Sample Name: ICVL942742 Acquired: 8/25/2011 13:02:19 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00970**	**.10451**	**.01310**	**.09748**	**.01002**	**.00100**	F **.13301**	**.19968**	**.00536**	**.01013**	**.01023**
Stddev	.00006	.00380	.00165	.00129	.00037	.00001	.00102	.00450	.00008	.00008	.00006
%RSD	.65940	3.6357	12.627	1.3242	3.7228	.50134	.76860	2.2514	1.4731	.80535	.59632
#1	.00966	.10719	.01193	.09840	.01029	.00100	.13229	.20286	.00541	.01008	.01018
#2	.00975	.10182	.01427	.09657	.00976	.00101	.13373	.19650	.00530	.01019	.01027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01570**	**.09604**	**2.8763**	F **.01308**	**.20684**	**.01029**	**.01947**	**1.0538**	**.04128**	**2.8448**	**.00837**
Stddev	.00019	.00525	.0289	.00549	.00090	.00005	.00012	.0005	.00002	.0295	.00114
%RSD	1.2005	5.4709	1.0037	41.927	.43701	.46796	.59159	.04884	.04450	1.0360	13.622
#1	.01557	.09232	2.8559	.00921	.20620	.01033	.01939	1.0534	.04129	2.8656	.00756
#2	.01584	.09975	2.8967	.01696	.20748	.01026	.01955	1.0542	.04127	2.8240	.00917
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00333**	**.00969**	**.01557**	**.48159**	**.09968**	**.01011**	**.01316**	**.01006**	W **.01825**	F **.03793**	**.00981**
Stddev	.00564	.00122	.00082	.00895	.00117	.00019	.00056	.00030	.00110	.01030	.00026
%RSD	169.59	12.580	5.2961	1.8591	1.1703	1.8527	4.2526	3.0183	6.0412	27.155	2.6627
#1	-.00066	.00883	.01499	.47526	.10050	.00998	.01277	.01027	.01747	.04521	.01000
#2	.00732	.01055	.01615	.48792	.09885	.01024	.01356	.00985	.01903	.03065	.00963
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass
Value									.01500	.06000	
Range									20.000%	-30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02124**	W **.01929**
Stddev	.00007	.00095
%RSD	.32197	4.9448
#1	.02119	.01862
#2	.02128	.01997
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4152.5**	**62766.**	**4661.7**
Stddev	22.7	30.	34.6
%RSD	.54662	.04807	.74117
#1	4136.4	62787.	4637.3
#2	4168.5	62745.	4686.1

Sample Name: CCVH-940568 Acquired: 8/25/2011 13:06:00 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02042**	**49.471**	**-.00643**	**.00077**	**.00040**	**-.00017**	**1.0054**	**.02642**	**-.00108**	**.00195**	**.00009**	**-.00202**	**49.650**
Stddev	.00023	.048	.00446	.00062	.00008	.00003	.0073	.00462	.00020	.00015	.00013	.00030	.013
%RSD	1.1077	.09752	69.357	80.677	20.425	17.094	.72316	17.473	18.431	7.4358	142.32	15.100	.02701
#1	-.02026	49.505	-.00328	.00121	.00034	-.00019	1.0003	.02968	-.00122	.00205	.00000	-.00223	49.660
#2	-.02058	49.437	-.00958	.00033	.00046	-.00015	1.0106	.02315	-.00094	.00185	.00018	-.00180	49.641
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08898**	**.00383**	**-.10015**	**.00073**	**-.00246**	**249.37**	**.00099**	**-.00126**	**-.00062**	**4.9182**	**-.00874**	**.00782**	**.01771**
Stddev	.04240	.00427	.00331	.00003	.00001	.35	.00037	.00047	.00071	.0098	.00080	.00180	.00191
%RSD	47.647	111.44	3.3038	4.4556	.45350	.13835	37.337	37.377	115.32	.19896	9.1246	23.001	10.788
#1	.05900	.00081	-.10249	.00070	-.00245	249.62	.00125	-.00093	-.00112	4.9113	-.00817	.00655	.01906
#2	.11896	.00684	-.09781	.00075	-.00247	249.13	.00073	-.00159	-.00011	4.9251	-.00930	.00909	.01636
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00157**	**.00053**	**4.8895**	**.00118**	**.00543**	**10.181**	**-.00814**	**.00392**	**.01862**
Stddev	.00076	.00000	.0039	.00036	.00017	.020	.00004	.00018	.00125
%RSD	48.458	.08929	.07951	30.070	3.1495	.19746	.44171	4.5588	6.7143
#1	.00211	.00053	4.8923	.00093	.00530	10.167	-.00811	.00405	.01951
#2	.00103	.00053	4.8868	.00143	.00555	10.195	-.00817	.00380	.01774
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3956.6**	**58914.**	**4586.7**
Stddev	2.7	183.	14.1
%RSD	.06950	.31065	.30777
#1	3958.5	59044.	4596.7
#2	3954.6	58785.	4576.7

Sample Name: CCV-940591 Acquired: 8/25/2011 13:08:34 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50705**	**.51589**	**.99668**	**.49800**	**.49919**	**.49682**	**.00238**	**4.9506**	**.50446**	**.50198**	**.49935**	**.50556**	**2.4741**
Stddev	.00293	.00180	.00103	.00270	.00199	.00145	.00182	.0136	.00059	.00055	.00097	.00064	.0019
%RSD	.57742	.34961	.10309	.54187	.39783	.29176	76.608	.27518	.11744	.11054	.19441	.12634	.07720
#1	.50498	.51462	.99741	.49609	.49779	.49579	.00109	4.9410	.50405	.50237	.49866	.50511	2.4727
#2	.50912	.51717	.99596	.49991	.50060	.49784	.00367	4.9603	.50488	.50159	.50003	.50601	2.4754
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.302**	**1.0009**	**20.038**	**.49843**	**.49719**	**5.0947**	**.50061**	**.98336**	**1.0094**	**.00080**	**.98891**	**.99371**	**4.8705**
Stddev	.140	.0052	.031	.00018	.00023	.0196	.00075	.00575	.0012	.00300	.00049	.00097	.0072
%RSD	.28364	.52137	.15488	.03527	.04555	.38456	.14963	.58491	.11791	374.15	.04925	.09736	.14721
#1	49.203	.99716	20.016	.49831	.49735	5.0808	.50008	.97929	1.0103	.00292	.98857	.99303	4.8654
#2	49.401	1.0045	20.060	.49856	.49703	5.1085	.50114	.98742	1.0086	-.00132	.98926	.99440	4.8755
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99445**	**.49910**	**-.00117**	**.49386**	**1.0159**	**.00168**	**.50150**	**.49739**	**.49885**
Stddev	.00077	.00112	.00166	.00143	.0014	.00713	.00157	.00012	.00189
%RSD	.07764	.22468	142.16	.28954	.13510	423.40	.31320	.02370	.37976
#1	.99390	.49831	.00001	.49285	1.0149	.00672	.50039	.49730	.50019
#2	.99499	.49989	-.00234	.49487	1.0169	-.00336	.50261	.49747	.49751
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4040.0**	**60690.**	**4612.3**
Stddev	8.9	110.	16.8
%RSD	.22126	.18197	.36405
#1	4046.3	60768.	4624.2
#2	4033.7	60612.	4600.4

Sample Name: ICB Acquired: 8/25/2011 13:10:55 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.00020**	**.00200**	**.00103**	**-.00005**	**.00002**	**.00121**	**.00764**	**.00027**	**.00015**	**.00018**	**.00006**
Stddev	.00012	.00068	.00156	.00032	.00045	.00000	.00236	.00006	.00025	.00028	.00007	.00006
%RSD	34.212	335.15	78.252	30.943	851.30	12.006	195.15	.76808	91.579	190.49	40.742	103.99
#1	-.00026	.00068	.00089	.00081	-.00037	.00002	-.00046	.00768	.00010	-.00005	.00013	.00010
#2	-.00043	-.00028	.00310	.00126	.00026	.00002	.00288	.00759	.00045	.00034	.00024	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00113**	**.05390**	**.00256**	**-.00302**	**-.00003**	**.00286**	**.02168**	**.00012**	**-.00131**	**-.00140**	**.00320**	F **.00985**
Stddev	.00105	.01456	.00262	.00081	.00002	.00069	.00851	.00047	.00322	.00017	.00467	.00119
%RSD	93.131	27.011	102.15	26.905	69.669	24.317	39.253	388.16	246.89	12.438	145.98	12.098
#1	-.00038	.06419	.00442	-.00245	-.00001	.00236	.01566	-.00021	-.00359	-.00153	-.00010	.00901
#2	-.00187	.04360	.00071	-.00360	-.00004	.00335	.02770	.00045	.00097	-.00128	.00650	.01070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail
High Limit												.00628
Low Limit												-.00628

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00410**	**.02153**	**.00044**	**.00009**	**-.00150**	**.00006**	**.00133**	**.00049**	**-.00010**	**.00132**	**.00166**
Stddev	.00069	.00055	.00025	.00004	.00020	.00041	.00016	.00480	.00002	.00004	.00025
%RSD	16.844	2.5407	55.153	42.101	13.279	643.21	12.241	971.47	23.197	3.1109	15.223
#1	.00361	.02192	.00027	.00012	-.00136	-.00023	.00144	-.00290	-.00012	.00129	.00148
#2	.00458	.02114	.00062	.00007	-.00164	.00036	.00121	.00389	-.00008	.00135	.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4069.3**	**61873.**	**4578.9**
Stddev	2.8	173.	28.1
%RSD	.06988	.27890	.61438
#1	4071.3	61751.	4598.7
#2	4067.3	61995.	4559.0

Sample Name: CRI-942740 Acquired: 8/25/2011 13:13:30 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00949**	**.10325**	**.00931**	**.09696**	**.00517**	**.00093**	F **.16508**	**.19533**	**.00502**	**.00499**	**.00980**
Stddev	.00049	.00025	.00108	.00023	.00036	.00010	.00185	.00436	.00008	.00015	.00009
%RSD	5.1649	.24397	11.655	.23403	6.9209	10.698	1.1234	2.2336	1.5084	2.9184	.89597
#1	.00914	.10307	.00854	.09712	.00492	.00100	.16377	.19224	.00497	.00509	.00986
#2	.00983	.10342	.01007	.09680	.00542	.00086	.16639	.19841	.00507	.00489	.00974
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							50.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01039**	**.02606**	**.94606**	W **.01276**	**.20267**	**.00305**	**.00979**	**.98244**	**.00962**	**.93067**	W **.00228**
Stddev	.00047	.00103	.07249	.00027	.00103	.00001	.00025	.00000	.00018	.00519	.00038
%RSD	4.5455	3.9561	7.6620	2.0815	.50932	.39077	2.5384	.00002	1.8922	.55747	16.610
#1	.01072	.02679	.89481	.01295	.20340	.00306	.00996	.98244	.00949	.92701	.00255
#2	.01005	.02533	.99732	.01257	.20194	.00304	.00961	.98244	.00975	.93434	.00202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
Value				.01000							.00300
Range				20.000%							-20.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09870**	**.01180**	**.00851**	**.45634**	**.01922**	**.00514**	W **.00738**	**.00979**	**.01174**	W **.07671**	**.00989**
Stddev	.00390	.00054	.00123	.01947	.00020	.00009	.00092	.00015	.00041	.00801	.00024
%RSD	3.9550	4.5451	14.494	4.2658	1.0657	1.6886	12.415	1.5004	3.4660	10.436	2.3930
#1	.10146	.01143	.00939	.44257	.01937	.00520	.00673	.00968	.01202	.07105	.01006
#2	.09594	.01218	.00764	.47010	.01908	.00508	.00803	.00989	.01145	.08237	.00972
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value							.01000			.06000	
Range							-20.000%			20.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.01139**	W **.01214**
Stddev	.00004	.00065
%RSD	.36886	5.3505
#1	.01142	.01168
#2	.01136	.01260
Check ?	Chk Pass	Chk Warn
Value		.01000
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4178.3**	**62879.**	**4641.9**
Stddev	16.0	48.	6.9
%RSD	.38402	.07596	.14782
#1	4189.6	62845.	4637.1
#2	4166.9	62913.	4646.8

Sample Name: CRI-943237 Acquired: 8/25/2011 13:23:04 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.91365**	F **-.43980**	**.03540**	**.00058**	**.00015**	F **-.08385**	**.00810**	**.00166**	**.01716**
Stddev	.00032	.34380	.15174	.01213	.00017	.00012	.02607	.00075	.00037	.00645
%RSD	223.73	37.630	34.502	34.257	29.487	80.631	31.099	9.3170	22.574	37.611
#1	-.00008	.67054	-.33251	.02682	.00070	.00006	-.06541	.00757	.00139	.01260
#2	.00037	1.1568	-.54710	.04398	.00046	.00023	-.10228	.00863	.00192	.02172
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000				100.00			
Low Limit			-.02000				-.02000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00951**	**-.00223**	**.01299**	**.03615**	**.00322**	**-.00062**	**.00008**	**.00747**	**-.06874**	**-.00657**
Stddev	.00339	.00074	.00771	.06248	.00121	.00331	.00010	.00326	.01857	.00219
%RSD	35.691	33.013	59.328	172.82	37.657	535.78	123.50	43.663	27.016	33.327
#1	-.00711	-.00171	.00754	-.00803	.00408	-.00296	.00016	.00517	-.08187	-.00502
#2	-.01191	-.00275	.01844	.08034	.00237	.00172	.00001	.00978	-.05561	-.00811
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.09291**	F **-.02314**	**1.5372**	F **-.12986**	F **-.01370**	**-.05276**	**.06004**	**.00021**	**-.00624**	**-.00159**
Stddev	.04790	.01393	.5797	.05012	.00076	.05402	.02158	.00012	.00137	.00100
%RSD	51.558	60.222	37.714	38.591	5.5453	102.37	35.942	56.599	21.923	62.935
#1	-.05904	-.01328	1.1272	-.09443	-.01424	-.01457	.04478	.00013	-.00527	-.00088
#2	-.12678	-.03299	1.9471	-.16530	-.01316	-.09096	.07529	.00030	-.00721	-.00230
Check ?	Chk Pass	Chk Fail	None	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		200.00		50.000	50.000					
Low Limit		-.00900		-.02000	-.01000					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.03550**	**.02655**	**-.00134**	**.00834**	**-.00228**
Stddev	.00894	.01490	.00007	.00427	.00380
%RSD	25.189	56.132	5.3407	51.140	166.31
#1	.02918	.03709	-.00140	.00533	.00040
#2	.04182	.01601	-.00129	.01136	-.00497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3673.5**	**57401.**	**4306.6**
Stddev	39.0	712.	56.7
%RSD	1.0603	1.2399	1.3159
#1	3701.0	57904.	4346.7
#2	3645.9	56897.	4266.6

Sample Name: CRI-943238 Acquired: 8/25/2011 13:27:16 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00051**	**.00067**	**-.00150**	**-.00087**	**.00014**	**-.00003**	**.00158**	**.00416**	**.00009**	**.00003**
Stddev	.00079	.00126	.00078	.00037	.00022	.00016	.00053	.00162	.00003	.00016
%RSD	154.63	188.50	51.630	42.097	155.41	613.62	33.725	38.863	39.265	503.55
#1	-.00107	-.00022	-.00205	-.00113	.00030	-.00014	.00120	.00301	.00006	-.00008
#2	.00005	.00156	-.00095	-.00061	-.00001	.00008	.00196	.00530	.00011	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00037**	**-.00136**	**-.02860**	**.00336**	**.00040**	**.00002**	**-.00043**	**-.03834**	**.00025**
Stddev	.00026	.00001	.00155	.00422	.00186	.00103	.00004	.00042	.00168	.00005
%RSD	211.58	3.2521	114.20	14.758	55.515	256.84	149.57	98.794	4.3934	18.201
#1	.00006	.00038	-.00026	-.03158	.00467	.00113	.00005	-.00013	-.03715	.00028
#2	-.00031	.00036	-.00245	-.02562	.00204	-.00033	.00000	-.00072	-.03953	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00217**	**.00488**	**.00207**	**-.00070**	**-.00188**	**.00335**	**.00022**	**.00005**	**-.00174**	**.00011**
Stddev	.00053	.00112	.00285	.00029	.00272	.00693	.00047	.00007	.00071	.00045
%RSD	24.539	22.871	137.61	41.626	144.57	206.79	220.25	122.93	40.762	416.98
#1	-.00254	.00566	.00006	-.00049	-.00380	-.00155	.00055	.00010	-.00224	.00042
#2	-.00179	.00409	.00409	-.00091	.00004	.00825	-.00012	.00001	-.00124	-.00021
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00129**	**.01288**	**-.00047**	**.00108**	**.00343**
Stddev	.00101	.01551	.00039	.00024	.00045
%RSD	78.317	120.41	82.560	22.036	13.073
#1	.00201	.02384	-.00074	.00124	.00374
#2	.00058	.00191	-.00019	.00091	.00311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4108.6**	**62020.**	**4561.5**
Stddev	5.4	3.	40.1
%RSD	.13220	.00519	.87872
#1	4112.4	62023.	4589.8
#2	4104.7	62018.	4533.2

Sample Name: ICSA-927290 Acquired: 8/25/2011 13:31:50 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00067**	**503.61**	F **-.01054**	W **-.00239**	**.00050**	**-.00032**	**-.00542**	**462.93**	**-.00042**	**-.00052**
Stddev	.00016	2.03	.00005	.00164	.00017	.00013	.00156	.47	.00006	.00014
%RSD	23.842	.40351	.43778	68.607	34.707	41.321	28.750	.10260	15.336	27.564
#1	-.00056	502.18	-.01051	-.00356	.00037	-.00023	-.00432	462.59	-.00046	-.00062
#2	-.00079	505.05	-.01057	-.00123	.00062	-.00041	-.00652	463.27	-.00037	-.00042
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.00880	.00156						
Low Limit			-.00880	-.00156						

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00157**	F **.00451**	**186.82**	**.00206**	**-.00118**	**508.00**	F **.00213**	**-.00246**	W **.09787**	**-.00090**
Stddev	.00013	.00046	.85	.04471	.00002	2.12	.00005	.00015	.00052	.00044
%RSD	8.1361	10.280	.45535	2173.6	1.3105	.41657	2.4720	6.2464	.53421	49.285
#1	.00166	.00418	186.22	-.02956	-.00117	509.50	.00216	-.00235	.09750	-.00059
#2	.00148	.00484	187.42	.03368	-.00119	506.50	.00209	-.00257	.09824	-.00122
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass
High Limit	.00123	.00272					.00051		.09160	
Low Limit	-.00132	-.00272					-.00051		-.09160	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00340**	W **.00322**	**-.07764**	**-.00167**	F **-.01113**	**.00176**	**-.00095**	F **.00221**	**.00256**	F **-.00280**
Stddev	.00162	.00028	.00379	.00075	.00135	.00346	.00003	.00006	.00693	.00007
%RSD	47.815	8.5719	4.8752	44.709	12.092	197.00	3.2334	2.8831	270.23	2.4902
#1	-.00225	.00303	-.08032	-.00219	-.01018	.00420	-.00093	.00217	.00746	-.00285
#2	-.00454	.00342	-.07497	-.00114	-.01208	-.00069	-.00097	.00226	-.00234	-.00275
Check ?	Chk Pass	Chk Warn	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
High Limit		.00261			.00972			.00060		.00119
Low Limit		-.00261			-.00972			-.00060		-.00119

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00327**	**.15703**	**-.00005**	W **.00630**	**.00134**
Stddev	.00053	.02361	.00004	.00039	.00512
%RSD	16.345	15.033	75.056	6.1711	382.94
#1	.00289	.17372	-.00008	.00658	-.00228
#2	.00365	.14033	-.00002	.00603	.00496
Check ?	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass
High Limit				.00453	
Low Limit				-.00453	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3668.0**	**52082.**	**4526.3**
Stddev	11.1	343.	2.3
%RSD	.30362	.65947	.05192
#1	3675.9	51840.	4527.9
#2	3660.2	52325.	4524.6

Sample Name: ICSAB-939413 Acquired: 8/25/2011 13:37:08 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0872**	**503.53**	**2.0002**	**1.8963**	**.49163**	**.47697**	**1.0886**	**458.27**	**1.0207**	**.46786**	**.49014**	**.53568**	**185.76**	**51.660**
Stddev	.0032	2.83	.0004	.0024	.00272	.00205	.0063	3.03	.0008	.00067	.00030	.00082	.37	.324
%RSD	.29075	.56292	.01842	.12559	.55378	.42908	.58170	.66149	.08371	.14367	.06125	.15260	.19997	.62627
#1	1.0850	501.52	2.0004	1.8946	.48971	.47552	1.0931	460.42	1.0201	.46738	.48993	.53510	185.50	51.431
#2	1.0894	505.53	1.9999	1.8980	.49356	.47841	1.0842	456.13	1.0213	.46833	.49036	.53626	186.03	51.889
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0220**	**499.19**	**.50583**	**.97684**	**51.255**	**.92564**	**1.9206**	**.94823**	**.90048**	**.98886**	**4.7779**	**9.6386**	**9.1830**	**.98687**
Stddev	.0072	3.62	.00085	.00028	.148	.00060	.0031	.00654	.00252	.00382	.0007	.0224	.0080	.00437
%RSD	.70061	.72558	.16801	.02825	.28832	.06491	.15930	.68992	.28002	.38647	.01546	.23280	.08671	.44309
#1	1.0169	496.63	.50523	.97665	51.151	.92522	1.9227	.94361	.90226	.98616	4.7774	9.6227	9.1774	.98378
#2	1.0271	501.75	.50644	.97704	51.360	.92607	1.9184	.95286	.89870	.99157	4.7784	9.6544	9.1886	.98996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0418**	**.99997**	**8.7104**	**.17604**	**.50812**	**.98517**	**.97955**
Stddev	.0019	.00103	.0062	.04210	.00208	.00119	.00607
%RSD	.09485	.10338	.07134	23.913	.40922	.12073	.62014
#1	2.0404	.99924	8.7060	.20581	.50665	.98432	.97526
#2	2.0431	1.0007	8.7148	.14627	.50959	.98601	.98385
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3611.9**	**51893.**	**4505.6**
Stddev	5.0	26.	7.6
%RSD	.13845	.04955	.16789
#1	3615.4	51911.	4510.9
#2	3608.3	51875.	4500.2

Sample Name: LRA-881405 Acquired: 8/25/2011 13:40:21 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0663**	**-.16424**	**9.9051**	**9.5862**	**11.975**	**.00222**	**.01049**	**-.01642**	**1.9918**	**4.9266**	**9.8816**	**10.561**	**501.15**
Stddev	.0026	.00963	.0062	.0135	.043	.00002	.00305	.00588	.0042	.0128	.0313	.015	.52
%RSD	.12606	5.8631	.06257	.14110	.36061	.77575	29.031	35.821	.21100	.25916	.31696	.13922	.10463
#1	2.0645	-.15743	9.9094	9.5958	12.005	.00223	.00834	-.01226	1.9948	4.9356	9.9038	10.551	501.52
#2	2.0681	-.17104	9.9007	9.5766	11.944	.00221	.01265	-.02058	1.9889	4.9176	9.8595	10.572	500.77
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.11936**	**.00094**	**-.15527**	**9.9895**	**4.9680**	**-.02687**	**9.8391**	**.00461**	**10.314**	**-.05622**	**.03019**	**4.9220**	**47.075**
Stddev	.02631	.00102	.00036	.0279	.0170	.00633	.0199	.00193	.021	.00003	.00124	.0087	.264
%RSD	22.046	108.83	.23181	.27906	.34273	23.559	.20194	41.890	.20321	.06131	4.0937	.17736	.56024
#1	-.10075	.00166	-.15501	10.009	4.9800	-.02239	9.8532	.00324	10.329	-.05619	.02931	4.9282	46.888
#2	-.13796	.00022	-.15552	9.9698	4.9560	-.03135	9.8251	.00597	10.299	-.05624	.03106	4.9159	47.261
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01562**	**10.024**	**-.02984**	**9.7923**	**5.0467**	**.54268**	**10.066**	**9.7797**	**.00086**
Stddev	.00034	.057	.00046	.0084	.0152	.00130	.021	.0161	.00008
%RSD	2.1500	.57353	1.5449	.08586	.30011	.23935	.20424	.16457	9.4425
#1	-.01586	10.065	-.02951	9.7863	5.0574	.54360	10.052	9.7683	.00080
#2	-.01538	9.9836	-.03017	9.7982	5.0360	.54176	10.081	9.7910	.00092
Check ?	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4044.4**	**59891.**	**4602.2**
Stddev	6.3	37.	3.1
%RSD	.15562	.06123	.06672
#1	4040.0	59865.	4604.3
#2	4048.9	59917.	4600.0

Sample Name: CCVH-940568 Acquired: 8/25/2011 13:43:07 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02152**	**49.064**	**.00679**	**.02085**	**.00264**	**-.00013**	**.99617**	**.03586**	**-.00093**	**.00278**	**.00272**	**-.00101**	**49.608**
Stddev	.00061	.083	.00360	.00085	.00064	.00003	.00056	.00156	.00020	.00073	.00196	.00026	.001
%RSD	2.8406	.16850	52.977	4.0577	24.209	22.927	.05660	4.3455	21.232	26.267	72.305	25.348	.00137
#1	-.02109	49.006	.00425	.02145	.00310	-.00011	.99657	.03475	-.00107	.00227	.00133	-.00083	49.609
#2	-.02195	49.123	.00934	.02025	.00219	-.00015	.99577	.03696	-.00079	.00330	.00411	-.00119	49.608
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06943**	**.00525**	**-.09596**	**.00275**	**.01668**	**250.19**	**.00298**	**.00141**	**.00151**	**4.8961**	**-.00926**	**.02379**	**.07304**
Stddev	.00267	.00036	.00298	.00020	.00492	.03	.00133	.00020	.00238	.0073	.00123	.00569	.00022
%RSD	3.8390	6.8775	3.1043	7.2024	29.489	.01379	44.818	14.417	157.88	.14936	13.255	23.935	.29805
#1	.06754	.00551	-.09385	.00290	.01320	250.17	.00203	.00127	-.00018	4.8909	-.01013	.01976	.07289
#2	.07131	.00500	-.09806	.00261	.02016	250.22	.00392	.00155	.00319	4.9013	-.00839	.02781	.07320
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00201**	**.00247**	**4.8676**	**.00701**	**.00571**	**10.254**	**-.00700**	**.00678**	**.02075**
Stddev	.00041	.00048	.0015	.00066	.00178	.022	.00000	.00003	.00174
%RSD	20.489	19.450	.03097	9.3738	31.190	.21341	.00403	.43851	8.3650
#1	.00172	.00281	4.8687	.00654	.00445	10.269	-.00700	.00676	.01953
#2	.00230	.00213	4.8666	.00747	.00697	10.238	-.00700	.00680	.02198
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3997.4**	**58756.**	**4588.4**
Stddev	1.5	7.	.3
%RSD	.03817	.01150	.00599
#1	3996.3	58751.	4588.2
#2	3998.5	58761.	4588.6

Sample Name: CCV-940591 Acquired: 8/25/2011 13:45:39 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50283**	**.51486**	**.99618**	**.50764**	**.49680**	**.49600**	**.00630**	**4.9268**	**.50332**	**.49778**	**.49451**	**.50565**	**2.5096**
Stddev	.00030	.00118	.00285	.00026	.00022	.00043	.00090	.0056	.00018	.00030	.00022	.00086	.0141
%RSD	.06032	.22985	.28560	.05213	.04380	.08687	14.217	.11469	.03563	.05984	.04423	.17028	.56393
#1	.50261	.51570	.99417	.50745	.49664	.49630	.00566	4.9308	.50345	.49799	.49466	.50504	2.5196
#2	.50304	.51402	.99819	.50782	.49695	.49569	.00693	4.9228	.50320	.49757	.49435	.50626	2.4996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.980**	**.99890**	**20.041**	**.50127**	**.50139**	**5.0801**	**.49765**	**.97699**	**1.0092**	**.00011**	**.98805**	**.98933**	**4.9286**
Stddev	.061	.00339	.018	.00016	.00057	.0194	.00037	.00419	.0008	.00098	.00221	.00196	.0211
%RSD	.12377	.33914	.09142	.03191	.11340	.38161	.07401	.42912	.07525	934.04	.22325	.19859	.42792
#1	49.023	1.0013	20.028	.50116	.50180	5.0938	.49739	.97995	1.0097	.00080	.98650	.99072	4.9137
#2	48.937	.99651	20.054	.50138	.50099	5.0664	.49791	.97403	1.0086	-.00059	.98961	.98794	4.9435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99522**	**.49909**	**-.00007**	**.49368**	**1.0057**	**.02330**	**.50038**	**.50030**	**.50285**
Stddev	.00139	.00068	.00043	.00053	.0000	.00087	.00118	.00128	.00251
%RSD	.13974	.13693	613.25	.10782	.00031	3.7226	.23497	.25593	.49840
#1	.99424	.49957	-.00037	.49330	1.0057	.02392	.50122	.50120	.50462
#2	.99620	.49861	.00023	.49405	1.0057	.02269	.49955	.49939	.50107
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4083.9**	**60707.**	**4597.6**
Stddev	2.0	72.	5.6
%RSD	.04899	.11890	.12239
#1	4082.5	60656.	4593.6
#2	4085.3	60758.	4601.6

Sample Name: CCB Acquired: 8/25/2011 13:48:00 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00065**	**.00188**	F **.00890**	**-.00004**	**.00001**	**.00232**	**.00821**	**.00008**	**.00004**	**.00021**
Stddev	.00004	.00075	.00054	.00003	.00007	.00011	.00021	.00391	.00006	.00019	.00018
%RSD	38.437	116.29	28.643	.31701	170.83	821.00	9.2561	47.680	71.644	455.82	85.945
#1	-.00008	.00012	.00150	.00888	-.00009	.00009	.00217	.01098	.00004	.00018	.00008
#2	-.00013	.00118	.00226	.00892	.00001	-.00006	.00247	.00544	.00012	-.00009	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00312							
Low Limit				-.00312							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.00572**	**-.03815**	W **.00487**	**.00379**	**.00005**	W **.00367**	**-.01170**	**-.00002**	**-.00133**	**-.00028**
Stddev	.00019	.00021	.06793	.00171	.00154	.00001	.00099	.01724	.00036	.00064	.00010
%RSD	82.833	3.7497	178.07	35.204	40.669	26.021	27.126	147.36	1675.1	47.692	34.800
#1	-.00009	.00557	.00989	.00608	.00488	.00004	.00296	.00049	.00023	-.00088	-.00035
#2	-.00036	.00587	-.08618	.00366	.00270	.00005	.00437	-.02389	-.00028	-.00178	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261			.00313				
Low Limit				-.00261			-.00313				

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00170**	F **.00724**	W **.00858**	**.01385**	**.00141**	**.00026**	**-.00146**	W **.00060**	**.00143**	**.00618**	**-.00037**
Stddev	.00457	.00148	.00242	.00866	.00038	.00007	.00002	.00001	.00141	.01077	.00006
%RSD	268.54	20.403	28.234	62.531	26.879	28.462	1.0344	1.1451	98.558	174.31	16.889
#1	-.00153	.00619	.00686	.00773	.00114	.00031	-.00145	.00060	.00243	-.00144	-.00032
#2	.00494	.00828	.01029	.01998	.00168	.00021	-.00147	.00061	.00043	.01380	-.00041
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486					.00060			
Low Limit		-.00628	-.00486					-.00060			

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00175**	W **.00455**
Stddev	.00023	.00079
%RSD	13.067	17.274
#1	.00191	.00510
#2	.00159	.00399
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4119.0**	**62067.**	**4586.4**
Stddev	4.8	71.	4.2
%RSD	.11696	.11406	.09210
#1	4122.4	62118.	4589.4
#2	4115.6	62017.	4583.4

Sample Name: CCVL942742 Acquired: 8/25/2011 13:50:35 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01004**	**.10541**	**.01681**	**.10384**	**.00996**	**.00098**	W **.12729**	**.20154**	**.00523**	**.01028**	**.01015**
Stddev	.00021	.00097	.00002	.00021	.00018	.00009	.00118	.00225	.00016	.00003	.00015
%RSD	2.1277	.92099	.12685	.20539	1.8425	9.0972	.92977	1.1180	3.0108	.28452	1.4539
#1	.01019	.10610	.01679	.10399	.00983	.00092	.12813	.20314	.00535	.01031	.01026
#2	.00988	.10473	.01682	.10369	.01009	.00105	.12645	.19995	.00512	.01026	.01005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							20.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01574**	**.09903**	**2.9624**	F **.01359**	**.21283**	**.01033**	**.01967**	**1.0069**	**.04135**	**2.8222**	**.00836**
Stddev	.00003	.00286	.0427	.00049	.00155	.00003	.00009	.0090	.00038	.0098	.00037
%RSD	.18624	2.8910	1.4413	3.6225	.72623	.30241	.44280	.89740	.92719	.34780	4.4169
#1	.01576	.09700	2.9322	.01324	.21392	.01036	.01973	1.0005	.04108	2.8152	.00810
#2	.01572	.10105	2.9926	.01394	.21174	.01031	.01961	1.0133	.04163	2.8291	.00862
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00271**	**.01112**	**.01463**	**.47401**	**.09847**	**.01028**	**.01219**	**.01029**	**.01797**	**.06747**	**.01040**
Stddev	.00154	.00158	.00030	.02388	.00076	.00003	.00256	.00028	.00093	.02842	.00049
%RSD	56.821	14.250	2.0640	5.0372	.77475	.26271	20.959	2.7482	5.1735	42.125	4.6644
#1	-.00380	.01000	.01484	.45712	.09793	.01030	.01039	.01009	.01732	.08756	.01075
#2	-.00162	.01224	.01441	.49089	.09901	.01026	.01400	.01049	.01863	.04737	.01006
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02144**	W **.01901**
Stddev	.00007	.00036
%RSD	.32985	1.8962
#1	.02139	.01876
#2	.02149	.01927
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4171.8**	**62588.**	**4617.7**
Stddev	3.6	204.	13.8
%RSD	.08700	.32634	.29968
#1	4174.4	62732.	4627.5
#2	4169.2	62443.	4607.9

Sample Name: MB 280-82641/1-A Acquired: 8/25/2011 13:55:15 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82641 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00036	.00524	.00102	W .00599	.00194	.00005	.00261	.08032	.00057	-.00021
Stddev	.00007	.00016	.00275	.00031	.00000	.00000	.00284	.00037	.00014	.00012
%RSD	20.680	2.9734	269.73	5.2100	.11369	4.4180	108.99	.45930	25.380	59.589
#1	-.00031	.00535	.00297	.00577	.00194	.00006	.00462	.08006	.00067	-.00012
#2	-.00042	.00513	-.00093	.00621	.00194	.00005	.00060	.08058	.00046	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00500						
Low Limit				-.00500						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00050	.00131	W .04051	.03901	.00245	.00937	.00114	.00030	.06591	.00031
Stddev	.00010	.00004	.00003	.04216	.00188	.00074	.00001	.00064	.01157	.00019
%RSD	20.082	2.9847	.08140	108.08	77.040	7.8852	.57461	213.96	17.550	60.981
#1	.00057	.00134	.04048	.06882	.00111	.00989	.00114	-.00015	.05773	.00018
#2	.00043	.00128	.04053	.00920	.00378	.00885	.00115	.00076	.07409	.00044
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.03000							
Low Limit			-.05000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00608	.00004	.03472	.00018	-.00137	.00885	.00805	.00030	-.00099	.00100
Stddev	.00008	.00072	.00358	.00054	.00289	.02243	.00065	.00006	.00019	.00026
%RSD	1.2512	1714.5	10.301	299.96	210.99	253.33	8.1355	20.805	18.788	25.641
#1	.00613	-.00047	.03724	.00057	.00067	.02472	.00758	.00035	-.00086	.00118
#2	.00603	.00055	.03219	-.00020	-.00342	-.00701	.00851	.00026	-.00113	.00082
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00500									
Low Limit	-.00500									

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00034	.00883	-.00022	.00455	.00462
Stddev	.00043	.00254	.00020	.00023	.00180
%RSD	125.31	28.721	90.441	5.0014	39.057
#1	-.00065	.00704	-.00037	.00439	.00589
#2	-.00004	.01063	-.00008	.00471	.00334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4199.3	63563.	4698.6
Stddev	7.8	51.	4.9
%RSD	.18459	.08073	.10504
#1	4193.8	63526.	4702.1
#2	4204.8	63599.	4695.1

Sample Name: LCS 280-82641/2-A Acquired: 8/25/2011 13:57:48 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82641 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04597**	**1.8895**	**.98566**	**.92232**	**1.9824**	**.04944**	F **2.2808**	**48.659**	**.10241**	**.47992**
Stddev	.00035	.0042	.00501	.00080	.0008	.00014	.0047	.006	.00011	.00066
%RSD	.76143	.22266	.50822	.08669	.04117	.27932	.20840	.01133	.11002	.13770
#1	.04622	1.8924	.98212	.92176	1.9818	.04954	2.2775	48.656	.10249	.47946
#2	.04573	1.8865	.98920	.92289	1.9829	.04935	2.2842	48.663	.10233	.48039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19495**	**.25013**	**1.0087**	**49.589**	**.99386**	**48.429**	**.48879**	**.97336**	**50.819**	**.47963**
Stddev	.00029	.00055	.0024	.018	.00129	.030	.00001	.00081	.228	.00004
%RSD	.15047	.22014	.23667	.03562	.12987	.06219	.00292	.08273	.44836	.00856
#1	.19474	.24974	1.0104	49.577	.99294	48.408	.48878	.97393	50.658	.47961
#2	.19516	.25052	1.0070	49.602	.99477	48.450	.48880	.97279	50.980	.47966
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7941**	**.48533**	**.15460**	**.47683**	**1.9343**	**2.6959**	**1.9069**	**1.0000**	**.96509**	**.97137**
Stddev	.0044	.00030	.00105	.00321	.0011	.0083	.0040	.0002	.00151	.00015
%RSD	.04537	.06181	.67637	.67276	.05683	.30758	.21185	.02055	.15595	.01540
#1	9.7972	.48512	.15534	.47910	1.9351	2.6900	1.9041	1.0002	.96615	.97126
#2	9.7909	.48555	.15386	.47456	1.9336	2.7018	1.9098	.99987	.96402	.97147
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9212**	**2.0673**	**.49442**	**.49348**	**.50447**
Stddev	.0017	.0302	.00013	.00066	.00389
%RSD	.08813	1.4603	.02663	.13456	.77155
#1	1.9224	2.0459	.49433	.49395	.50722
#2	1.9200	2.0886	.49451	.49301	.50171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4019.6**	**59711.**	**4590.0**
Stddev	7.7	107.	18.1
%RSD	.19159	.17872	.39385
#1	4025.0	59635.	4602.8
#2	4014.1	59786.	4577.2

Sample Name: 280-19410-A-9-A Acquired: 8/25/2011 14:00:09 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82641 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00212**	**39.254**	**.00897**	**.00632**	**.59814**	**.00447**	**.03991**	**66.039**	**.00098**	**.07944**
Stddev	.00013	.125	.00242	.00040	.00216	.00001	.00342	.245	.00010	.00032
%RSD	6.3578	.31804	27.032	6.3237	.36148	.30989	8.5750	.37170	10.544	.40876
#1	-.00203	39.343	.00725	.00604	.59967	.00446	.03749	66.213	.00091	.07967
#2	-.00222	39.166	.01068	.00660	.59662	.00448	.04233	65.866	.00106	.07921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04750**	**.15585**	**219.15**	**5.7157**	**.03699**	**37.412**	**3.0084**	**.00585**	**2.6816**	**.06473**
Stddev	.00010	.00035	.79	.0236	.00134	.011	.0026	.00110	.0109	.00051
%RSD	.20816	.22542	.36134	.41348	3.6294	.03056	.08554	18.726	.40571	.78852
#1	.04757	.15610	219.71	5.7324	.03794	37.404	3.0066	.00508	2.6893	.06437
#2	.04743	.15560	218.59	5.6990	.03604	37.420	3.0102	.00663	2.6739	.06510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.771**	**.01887**	**.98885**	**-.00351**	**.00404**	**2.0920**	**-.02449**	**.23640**	**.01201**	W **21.098**
Stddev	.027	.00139	.00376	.00010	.00381	.0197	.00036	.00074	.00117	.083
%RSD	.25486	7.3748	.37980	2.9337	94.493	.94233	1.4858	.31330	9.7109	.39266
#1	10.790	.01788	.99150	-.00358	.00134	2.1060	-.02474	.23692	.01283	21.157
#2	10.751	.01985	.98619	-.00343	.00673	2.0781	-.02423	.23587	.01118	21.040
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										10.000
Low Limit										-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00975**	**.13370**	**.50038**	**.39074**	**.23697**
Stddev	.00184	.00928	.00030	.00034	.00132
%RSD	18.895	6.9444	.06018	.08580	.55555
#1	.00845	.12714	.50017	.39097	.23604
#2	.01105	.14027	.50059	.39050	.23790
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4659.6**	**68500.**	**5339.8**
Stddev	9.2	42.	5.3
%RSD	.19679	.06199	.10012
#1	4666.0	68530.	5343.6
#2	4653.1	68470.	5336.0

Sample Name: 280-19410-A-9-ASD@5 Acquired: 8/25/2011 14:02:41 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82641 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**8.8034**	**.00067**	**.00482**	**.13495**	**.00102**	**.00989**	**14.742**	**.00056**	**.01837**
Stddev	.00003	.0444	.00178	.00023	.00067	.00018	.00033	.015	.00005	.00020
%RSD	13.303	.50433	265.84	4.7461	.49869	17.600	3.3641	.09946	8.6275	1.0674
#1	-.00020	8.8348	-.00059	.00498	.13543	.00089	.00966	14.753	.00060	.01851
#2	-.00024	8.7720	.00193	.00465	.13448	.00115	.01013	14.732	.00053	.01823
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01071**	**.03489**	**49.858**	**1.2449**	**.00918**	**8.5516**	**.68095**	**.00045**	**.55504**	**.01476**
Stddev	.00034	.00019	.086	.0136	.00314	.0007	.00048	.00038	.00254	.00004
%RSD	3.1504	.53657	.17222	1.0920	34.253	.00849	.07027	84.815	.45773	.27453
#1	.01048	.03502	49.797	1.2353	.00696	8.5521	.68129	.00018	.55684	.01479
#2	.01095	.03476	49.919	1.2545	.01140	8.5511	.68061	.00072	.55325	.01474
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3970**	**.00368**	**.21159**	**-.00085**	**.00354**	**.44979**	**-.00624**	**.05320**	**.00129**	**4.7700**
Stddev	.0035	.00056	.00254	.00126	.00108	.02843	.00026	.00003	.00125	.0022
%RSD	.14423	15.133	1.2011	148.24	30.552	6.3209	4.2403	.06419	97.187	.04532
#1	2.3994	.00329	.20979	-.00174	.00431	.46989	-.00605	.05318	.00040	4.7715
#2	2.3945	.00408	.21339	.00004	.00278	.42968	-.00642	.05323	.00218	4.7685
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00288**	**.01163**	**.11279**	**.08995**	**.05657**
Stddev	.00214	.00754	.00020	.00044	.00007
%RSD	74.168	64.791	.18157	.48909	.12291
#1	.00439	.00630	.11294	.09026	.05662
#2	.00137	.01696	.11265	.08964	.05652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4273.5**	**63318.**	**4740.4**
Stddev	4.7	30.	6.9
%RSD	.10954	.04770	.14558
#1	4270.2	63340.	4735.5
#2	4276.8	63297.	4745.3

Sample Name: 280-19410-A-9-B DU Acquired: 8/25/2011 14:05:11 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82641 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00209**	**46.687**	**.01091**	**.00476**	**.63883**	**.00491**	**.04064**	**65.611**	**.00127**	**.07912**
Stddev	.00018	.134	.00267	.00082	.00095	.00004	.00289	.215	.00004	.00006
%RSD	8.5593	.28600	24.488	17.188	.14805	.83387	7.1080	.32815	3.0078	.07850
#1	-.00221	46.782	.01280	.00534	.63950	.00488	.04268	65.764	.00130	.07916
#2	-.00196	46.593	.00902	.00418	.63816	.00493	.03860	65.459	.00125	.07908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05557**	**.15453**	**246.57**	**6.7534**	**.04107**	**43.293**	**2.9245**	**.00150**	**3.0150**	**.06926**
Stddev	.00016	.00012	.89	.0060	.00524	.011	.0003	.00012	.0012	.00003
%RSD	.28197	.07537	.35912	.08889	12.766	.02633	.01097	7.9674	.03932	.04200
#1	.05546	.15461	247.20	6.7492	.03736	43.301	2.9248	.00159	3.0159	.06928
#2	.05568	.15445	245.94	6.7577	.04477	43.285	2.9243	.00142	3.0142	.06924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.031**	**.01891**	**.95603**	**-.00093**	**-.00224**	**2.5091**	**-.03624**	**.22994**	**.01040**	W **23.661**
Stddev	.003	.00015	.00110	.00055	.00326	.0642	.00033	.00070	.00054	.070
%RSD	.02491	.79312	.11544	59.616	145.45	2.5577	.92357	.30527	5.1652	.29752
#1	11.029	.01880	.95681	-.00132	-.00455	2.4638	-.03647	.23043	.01002	23.710
#2	11.033	.01901	.95525	-.00054	.00006	2.5545	-.03600	.22944	.01078	23.611
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										10.000
Low Limit										-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00769**	**.10551**	**.58583**	**.44175**	**.24693**
Stddev	.00028	.02283	.00135	.00039	.00123
%RSD	3.6005	21.638	.23050	.08726	.49827
#1	.00749	.08936	.58679	.44147	.24780
#2	.00788	.12165	.58488	.44202	.24606
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4670.5**	**68341.**	**5301.6**
Stddev	1.2	26.	28.5
%RSD	.02575	.03786	.53851
#1	4669.6	68323.	5281.4
#2	4671.3	68359.	5321.8

Sample Name: 280-19410-A-9-C MS Acquired: 8/25/2011 14:07:42 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82641 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03728**	**62.798**	**.83658**	**.77810**	**2.3545**	**.04689**	**1.9696**	**132.74**	**.08835**	**.48886**
Stddev	.00043	.072	.00292	.00036	.0046	.00013	.0039	.04	.00014	.00049
%RSD	1.1495	.11420	.34916	.04615	.19530	.27858	.19958	.02966	.15433	.10024
#1	.03698	62.849	.83451	.77785	2.3577	.04698	1.9724	132.77	.08825	.48851
#2	.03758	62.747	.83865	.77836	2.3512	.04680	1.9668	132.72	.08845	.48920
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23975**	**.39020**	**271.67**	**49.939**	**.89252**	**93.064**	**4.2544**	**.83043**	**49.853**	**.49039**
Stddev	.00033	.00173	.34	.082	.00484	.012	.0245	.00068	.205	.00070
%RSD	.13825	.44298	.12406	.16420	.54206	.01266	.57621	.08229	.41043	.14242
#1	.23998	.38898	271.91	49.997	.89594	93.055	4.2370	.83091	49.997	.49088
#2	.23951	.39142	271.43	49.881	.88909	93.072	4.2717	.82995	49.708	.48989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.648**	**.42414**	**1.0534**	**.29393**	**1.6149**	**5.7952**	**1.5337**	**1.1580**	**.82587**	F **25.605**
Stddev	.021	.00300	.0032	.00138	.0024	.0400	.0031	.0028	.00523	.134
%RSD	.10269	.70669	.29948	.46819	.15109	.69018	.20408	.23907	.63304	.52178
#1	20.633	.42202	1.0556	.29295	1.6167	5.7669	1.5315	1.1600	.82957	25.511
#2	20.663	.42626	1.0512	.29490	1.6132	5.8235	1.5359	1.1561	.82218	25.700
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit										25.000
Low Limit										-.02000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.5476**	**1.9056**	**1.0482**	**.87424**	**.74073**
Stddev	.0056	.0010	.0013	.00144	.00511
%RSD	.35909	.05141	.12347	.16500	.69047
#1	1.5436	1.9049	1.0473	.87322	.74434
#2	1.5515	1.9063	1.0491	.87526	.73711
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4647.5**	**68380.**	**5401.5**
Stddev	8.0	214.	11.7
%RSD	.17138	.31257	.21585
#1	4653.1	68531.	5393.3
#2	4641.8	68228.	5409.8

Sample Name: 280-19410-A-10-A Acquired: 8/25/2011 14:10:11 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82641 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00154**	**51.085**	**.02209**	**.00939**	**.57142**	**.00408**	**.03017**	**85.171**	**.00142**	**.07009**
Stddev	.00034	.023	.00430	.00031	.00016	.00007	.00110	.048	.00027	.00021
%RSD	21.719	.04530	19.457	3.2895	.02873	1.7447	3.6620	.05636	18.978	.29310
#1	-.00131	51.069	.02513	.00961	.57130	.00413	.02939	85.205	.00123	.06995
#2	-.00178	51.102	.01905	.00917	.57153	.00403	.03095	85.138	.00161	.07024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11913**	**.18384**	**214.21**	**8.7810**	**.05080**	**36.103**	**2.7025**	**.00682**	**3.3401**	**.08591**
Stddev	.00018	.00065	.02	.0209	.00053	.038	.0046	.00101	.0018	.00054
%RSD	.15529	.35156	.00707	.23812	1.0458	.10446	.17137	14.822	.05394	.62681
#1	.11926	.18339	214.20	8.7662	.05042	36.076	2.6992	.00610	3.3413	.08553
#2	.11900	.18430	214.22	8.7957	.05117	36.129	2.7057	.00753	3.3388	.08629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.3237**	**.09638**	**1.1456**	**-.00521**	**.00488**	**4.0416**	**-.02108**	**.29374**	**.01503**	W **17.062**
Stddev	.0133	.00068	.0031	.00135	.00437	.1218	.00032	.00052	.00187	.098
%RSD	.16015	.70051	.27078	25.865	89.478	3.0137	1.5013	.17627	12.454	.57150
#1	8.3143	.09685	1.1478	-.00616	.00179	3.9555	-.02131	.29411	.01371	17.131
#2	8.3332	.09590	1.1434	-.00426	.00797	4.1278	-.02086	.29338	.01636	16.993
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										10.000
Low Limit										-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00687**	**.10774**	**.44367**	**.43820**	**.19493**
Stddev	.00029	.01827	.00143	.00063	.00081
%RSD	4.2659	16.959	.32123	.14295	.41669
#1	.00666	.12067	.44266	.43864	.19436
#2	.00708	.09482	.44468	.43775	.19550
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4502.4**	**65664.**	**5153.8**
Stddev	.1	147.	2.6
%RSD	.00264	.22430	.05126
#1	4502.4	65559.	5155.6
#2	4502.5	65768.	5151.9

Sample Name: 280-19410-B-11-A Acquired: 8/25/2011 14:12:43 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82641 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00203**	**38.623**	**.00570**	**.00335**	**.68767**	**.00467**	**.04487**	**47.442**	**.00106**	**.08009**
Stddev	.00052	.118	.00313	.00004	.00293	.00007	.00122	.232	.00024	.00040
%RSD	25.750	.30442	54.909	1.2854	.42584	1.5476	2.7265	.48958	22.401	.49331
#1	-.00240	38.706	.00792	.00338	.68974	.00462	.04401	47.607	.00123	.08037
#2	-.00166	38.540	.00349	.00332	.68560	.00472	.04574	47.278	.00089	.07981
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03999**	**.14811**	**244.09**	**5.5786**	**.03619**	**41.462**	**2.9262**	**.00154**	**2.9499**	**.06701**
Stddev	.00001	.00046	1.24	.0556	.00024	.079	.0051	.00010	.0092	.00021
%RSD	.02782	.31194	.50850	.99751	.66425	.18988	.17469	6.4467	.31074	.30641
#1	.03998	.14779	244.97	5.6179	.03602	41.406	2.9226	.00161	2.9563	.06687
#2	.04000	.14844	243.22	5.5392	.03636	41.517	2.9298	.00147	2.9434	.06716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.274**	**.01331**	**.98131**	**-.00413**	**-.00463**	**1.9357**	**-.03763**	**.16678**	**.01022**	W **24.560**
Stddev	.047	.00179	.00413	.00142	.00078	.0047	.00005	.00083	.00009	.071
%RSD	.41554	13.468	.42069	34.437	16.968	.24385	.12687	.49620	.83657	.29096
#1	11.307	.01458	.97839	-.00313	-.00518	1.9391	-.03766	.16736	.01028	24.509
#2	11.241	.01205	.98423	-.00514	-.00407	1.9324	-.03759	.16619	.01016	24.611
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										10.000
Low Limit										-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01003**	**.12571**	**.59204**	**.43422**	**.26328**
Stddev	.00222	.00526	.00198	.00084	.00416
%RSD	22.140	4.1828	.33503	.19453	1.5819
#1	.01160	.12199	.59344	.43362	.26623
#2	.00846	.12943	.59063	.43482	.26034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4711.1**	**69217.**	**5346.6**
Stddev	9.8	51.	18.5
%RSD	.20709	.07396	.34616
#1	4704.2	69181.	5333.5
#2	4718.0	69253.	5359.7

Sample Name: CCVH-940568 Acquired: 8/25/2011 14:15:15 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02121**	**49.028**	**-.00645**	**.00312**	**.00074**	**-.00014**	**.98027**	**.03257**	**-.00116**	**.00196**	**.00008**	**-.00250**	**49.476**
Stddev	.00035	.029	.00316	.00012	.00035	.00007	.00148	.00727	.00001	.00023	.00025	.00003	.060
%RSD	1.6498	.05983	49.027	3.7006	46.941	47.178	.15138	22.308	.90684	11.477	307.64	1.0936	.12203
#1	-.02146	49.008	-.00421	.00320	.00098	-.00010	.98131	.03771	-.00116	.00180	.00026	-.00248	49.433
#2	-.02096	49.049	-.00869	.00304	.00049	-.00019	.97922	.02743	-.00117	.00212	-.00010	-.00252	49.518
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08489**	**.00318**	**-.09409**	**.00082**	**-.00203**	**251.39**	**.00151**	**.00868**	**.00003**	**4.8874**	**-.00877**	**.01358**	**.02335**
Stddev	.04071	.00569	.00066	.00006	.00017	.25	.00025	.00302	.00067	.0016	.00181	.00408	.01258
%RSD	47.959	179.02	.70354	7.5829	8.3188	.09951	16.380	34.807	2199.7	.03304	20.614	30.050	53.874
#1	.05610	-.00084	-.09362	.00087	-.00191	251.56	.00168	.00654	.00050	4.8886	-.00749	.01647	.01446
#2	.11368	.00720	-.09456	.00078	-.00215	251.21	.00133	.01081	-.00044	4.8863	-.01004	.01070	.03225
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**.00042**	**4.8577**	**.01473**	**.00436**	**10.267**	**-.00880**	**.00420**	**.02048**
Stddev	.00113	.00007	.0070	.00019	.00220	.009	.00024	.00032	.00393
%RSD	175.22	15.728	.14412	1.2976	50.481	.08945	2.6867	7.5987	19.175
#1	.00144	.00038	4.8626	.01486	.00591	10.274	-.00863	.00442	.01770
#2	-.00015	.00047	4.8527	.01459	.00280	10.261	-.00897	.00397	.02325
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4038.5**	**58938.**	**4559.7**
Stddev	9.5	25.	1.0
%RSD	.23419	.04306	.02088
#1	4045.1	58920.	4560.4
#2	4031.8	58956.	4559.0

Sample Name: CCV-940591 Acquired: 8/25/2011 14:17:45 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50432**	**.49371**	**.99608**	**.49960**	**.49845**	**.49920**	**.00548**	**4.9501**	**.50370**	**.49344**	**.49169**	**.50556**	**2.5106**
Stddev	.00161	.00597	.00426	.00104	.00105	.00017	.00266	.0065	.00025	.00138	.00030	.00020	.0004
%RSD	.31959	1.2100	.42759	.20744	.21043	.03409	48.550	.13132	.05032	.27905	.06062	.03960	.01729
#1	.50546	.48949	.99307	.49886	.49919	.49908	.00736	4.9547	.50352	.49246	.49147	.50570	2.5109
#2	.50318	.49794	.99909	.50033	.49771	.49932	.00360	4.9455	.50387	.49441	.49190	.50541	2.5103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.232**	**.99968**	**20.135**	**.50398**	**.49885**	**5.0887**	**.49744**	**.94890**	**1.0093**	**.00183**	**.98935**	**.99356**	**4.9255**
Stddev	.082	.00361	.020	.00015	.00185	.0100	.00009	.00062	.0031	.00020	.00076	.00204	.0155
%RSD	.16605	.36104	.10123	.03054	.37050	.19595	.01725	.06487	.30497	10.705	.07639	.20530	.31415
#1	49.290	1.0022	20.150	.50409	.50016	5.0958	.49738	.94846	1.0071	.00197	.98881	.99212	4.9365
#2	49.175	.99712	20.121	.50387	.49754	5.0817	.49751	.94933	1.0115	.00169	.98988	.99501	4.9146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99382**	**.50095**	**-.00072**	**.49363**	**.99586**	**-.00462**	**.50163**	**.50138**	**.50900**
Stddev	.00362	.00058	.00186	.00060	.00017	.03829	.00151	.00115	.00415
%RSD	.36402	.11499	257.50	.12088	.01742	828.88	.30059	.22902	.81491
#1	.99126	.50136	.00059	.49321	.99574	-.03169	.50270	.50219	.51193
#2	.99637	.50054	-.00204	.49405	.99598	.02245	.50057	.50056	.50607
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4114.9**	**60941.**	**4573.2**
Stddev	10.6	31.	3.4
%RSD	.25704	.05037	.07448
#1	4122.4	60963.	4570.8
#2	4107.4	60919.	4575.6

Sample Name: CCB Acquired: 8/25/2011 14:20:06 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00044**	**.00016**	W **.00278**	**.00010**	**.00003**	**.00233**	**.00372**	**.00027**	**-.00013**	**.00012**
Stddev	.00014	.00174	.00028	.00020	.00042	.00001	.00264	.00200	.00030	.00005	.00034
%RSD	272.56	396.07	179.04	7.2219	423.03	52.502	113.41	53.811	113.01	38.029	274.86
#1	-.00005	-.00079	-.00004	.00292	-.00020	.00004	.00046	.00513	.00005	-.00017	-.00012
#2	.00015	.00167	.00035	.00264	.00040	.00002	.00420	.00230	.00048	-.00010	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**-.00074**	**.02906**	F **.00731**	**.00246**	**.00004**	**.00258**	**-.02460**	**.00043**	**-.00215**	**.00093**
Stddev	.00025	.00274	.02855	.00200	.00012	.00004	.00071	.01502	.00034	.00252	.00063
%RSD	175.76	371.13	98.265	27.335	4.7069	82.802	27.353	61.079	79.613	116.98	67.060
#1	-.00032	.00120	.04925	.00590	.00238	.00002	.00208	-.01397	.00019	-.00393	.00138
#2	.00003	-.00268	.00887	.00872	.00254	.00007	.00308	-.03522	.00067	-.00037	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00522							
Low Limit				-.00522							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	F **.00947**	W **.00878**	**-.01240**	**.00135**	**.00013**	**-.00153**	W **.00109**	**.00035**	**.00975**	**.00020**
Stddev	.00085	.00298	.00476	.00624	.00045	.00005	.00090	.00016	.00037	.00658	.00046
%RSD	158.81	31.485	54.184	50.333	33.152	40.557	58.480	14.558	103.75	67.463	231.78
#1	.00113	.00736	.00542	-.00799	.00103	.00017	-.00090	.00098	.00061	.00510	.00053
#2	-.00007	.01157	.01215	-.01681	.00166	.00009	-.00217	.00120	.00009	.01440	-.00013
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486					.00060			
Low Limit		-.00628	-.00486					-.00060			

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00205**	W **.00378**
Stddev	.00022	.00025
%RSD	10.830	6.5938
#1	.00190	.00395
#2	.00221	.00360
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4130.5**	**61894.**	**4533.8**
Stddev	5.6	14.	4.7
%RSD	.13626	.02300	.10466
#1	4126.6	61904.	4537.1
#2	4134.5	61884.	4530.4

Sample Name: CCVL942742 Acquired: 8/25/2011 14:22:40 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01013**	**.10233**	**.01442**	**.09949**	**.01014**	**.00100**	W **.12509**	**.20556**	**.00533**	**.01022**	**.01006**
Stddev	.00028	.00216	.00454	.00114	.00007	.00004	.00037	.00505	.00025	.00015	.00003
%RSD	2.7233	2.1137	31.487	1.1464	.72418	3.7488	.29521	2.4585	4.6294	1.4514	.28152
#1	.00994	.10386	.01763	.10029	.01020	.00102	.12535	.20914	.00551	.01032	.01004
#2	.01033	.10080	.01121	.09868	.01009	.00097	.12483	.20199	.00516	.01011	.01008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							20.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01588**	**.09963**	**2.9829**	F **.01520**	**.21525**	**.01051**	**.01972**	**1.0045**	**.04147**	**2.8146**	**.01002**
Stddev	.00013	.00036	.0180	.00137	.00176	.00007	.00003	.0097	.00025	.0026	.00075
%RSD	.82448	.35855	.60254	8.9901	.81671	.66101	.15226	.96257	.59240	.09232	7.4811
#1	.01597	.09988	2.9702	.01616	.21401	.01056	.01974	1.0113	.04164	2.8127	.01055
#2	.01579	.09937	2.9956	.01423	.21650	.01046	.01970	.99761	.04130	2.8164	.00949
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00191**	**.01032**	**.01513**	**.48441**	**.09996**	**.01045**	**.01366**	**.01038**	**.01755**	**.06370**	**.00989**
Stddev	.00492	.00280	.00059	.00249	.00083	.00004	.00056	.00015	.00097	.01401	.00030
%RSD	257.17	27.139	3.8877	.51385	.83458	.36717	4.1018	1.4491	5.5058	21.995	2.9980
#1	.00539	.00834	.01471	.48265	.10055	.01048	.01406	.01027	.01687	.05379	.01009
#2	-.00157	.01230	.01554	.48617	.09937	.01043	.01327	.01049	.01824	.07361	.00968
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02267**	**.01719**
Stddev	.00007	.00123
%RSD	.31524	7.1744
#1	.02272	.01632
#2	.02262	.01806
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4148.5**	**61993.**	**4547.0**
Stddev	3.9	95.	16.4
%RSD	.09352	.15259	.36118
#1	4151.2	62060.	4535.4
#2	4145.7	61926.	4558.6

Sample Name: mb 280-82822/1-a Acquired: 8/25/2011 14:25:13 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82822 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00007	.00479	-.00082	.00241	.00099	.00004	.00056	.06988	.00011	-.00011
Stddev	.00016	.00034	.00393	.00026	.00013	.00004	.00023	.00080	.00008	.00004
%RSD	237.50	7.0944	476.18	10.912	12.674	99.863	41.113	1.1389	70.192	40.346
#1	-.00005	.00455	-.00360	.00259	.00090	.00007	.00073	.06932	.00016	-.00008
#2	.00018	.00503	.00195	.00222	.00108	.00001	.00040	.07044	.00006	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00099	.00324	.02587	.03616	.00367	.01275	.00186	.00000	.03842	.00120
Stddev	.00005	.00006	.00158	.00373	.00101	.00146	.00009	.0004	.00286	.00030
%RSD	4.8542	1.9661	6.0916	10.310	27.526	11.484	4.7619	9182.8	7.4476	25.238
#1	.00096	.00319	.02698	.03880	.00438	.01171	.00179	-.00026	.04045	.00099
#2	.00102	.00328	.02475	.03353	.00295	.01379	.00192	.00025	.03640	.00141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00664	-.00075	.03528	.00113	.00042	.01932	.00670	.00031	-.00012	.00085
Stddev	.00541	.00054	.00181	.00121	.00041	.00180	.00058	.00000	.00004	.00008
%RSD	81.577	72.065	5.1393	106.99	99.224	9.3194	8.7127	.64762	32.303	9.6715
#1	.00281	-.00037	.03399	.00027	.00071	.02060	.00628	.00031	-.00009	.00079
#2	.01047	-.00113	.03656	.00198	.00012	.01805	.00711	.00030	-.00014	.00091
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00500									
Low Limit	-.00500									

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00061	.00250	-.00041	W .00681	.00215
Stddev	.00014	.01876	.00004	.00009	.00067
%RSD	22.197	749.37	10.817	1.2990	31.426
#1	.00071	.01577	-.00044	.00675	.00262
#2	.00052	-.01076	-.00038	.00687	.00167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				.00500	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4191.3	62805.	4600.7
Stddev	8.5	77.	6.3
%RSD	.20392	.12318	.13618
#1	4197.4	62751.	4605.2
#2	4185.3	62860.	4596.3

Sample Name: lcs 280-82822/2-a Acquired: 8/25/2011 14:27:48 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82822 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04483**	**1.8124**	**.96605**	**.92650**	**1.9526**	**.04885**	F **2.2237**	**47.582**	**.10043**	**.46946**
Stddev	.00021	.0069	.00100	.00029	.0018	.00020	.0088	.007	.00032	.00067
%RSD	.47601	.37985	.10361	.03104	.09030	.41413	.39561	.01395	.31889	.14370
#1	.04468	1.8076	.96534	.92670	1.9538	.04871	2.2299	47.577	.10020	.46994
#2	.04498	1.8173	.96676	.92630	1.9514	.04900	2.2174	47.587	.10066	.46898
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19083**	**.24741**	**.98565**	**48.838**	**.98202**	**47.877**	**.48477**	**.97864**	**50.119**	**.46980**
Stddev	.00034	.00015	.00578	.137	.00567	.034	.00020	.00104	.334	.00064
%RSD	.17854	.06186	.58654	.28010	.57751	.07104	.04162	.10630	.66633	.13582
#1	.19107	.24752	.98974	48.935	.98603	47.901	.48491	.97937	49.883	.47025
#2	.19058	.24730	.98156	48.741	.97801	47.853	.48462	.97790	50.355	.46935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.4765**	**.47893**	**.14557**	**.47060**	**1.9007**	**2.6341**	**1.9034**	**.98620**	**.94619**	**.97773**
Stddev	.0054	.00029	.00018	.00207	.0022	.0081	.0001	.00141	.00355	.00004
%RSD	.05718	.06037	.12593	.43987	.11593	.30828	.00519	.14343	.37558	.00429
#1	9.4727	.47872	.14544	.46914	1.9023	2.6283	1.9034	.98720	.94870	.97776
#2	9.4804	.47913	.14570	.47207	1.8992	2.6398	1.9035	.98520	.94368	.97770
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8845**	**2.0709**	**.49082**	**.48005**	**.50661**
Stddev	.0074	.0154	.00002	.00055	.00164
%RSD	.39292	.74551	.00438	.11446	.32456
#1	1.8897	2.0819	.49083	.47967	.50777
#2	1.8792	2.0600	.49080	.48044	.50545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4010.9**	**59193.**	**4562.8**
Stddev	1.3	25.	13.6
%RSD	.03163	.04252	.29822
#1	4010.0	59175.	4572.4
#2	4011.8	59210.	4553.2

Sample Name: 280-19449-a-1-a Acquired: 8/25/2011 14:30:08 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82822 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00110**	**68.907**	**.02438**	**.01640**	**.67710**	**.00457**	**.02311**	**49.160**	**.00147**	**.07423**
Stddev	.00021	.119	.00024	.00047	.00243	.00006	.00194	.122	.00011	.00041
%RSD	19.133	.17334	.99081	2.8486	.35816	1.2074	8.4007	.24765	7.5240	.55365
#1	-.00125	68.822	.02455	.01607	.67538	.00453	.02174	49.074	.00155	.07394
#2	-.00095	68.991	.02421	.01673	.67881	.00461	.02448	49.246	.00139	.07452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52028**	**.18204**	**205.70**	**10.266**	**.07040**	**46.035**	**3.1706**	**.00484**	**2.4468**	**.10868**
Stddev	.00173	.00009	.18	.031	.00003	.060	.0036	.00126	.0010	.00037
%RSD	.33287	.05059	.08858	.30353	.04934	.12965	.11271	25.995	.03929	.34325
#1	.52150	.18211	205.58	10.288	.07038	46.077	3.1731	.00395	2.4475	.10842
#2	.51905	.18198	205.83	10.244	.07043	45.992	3.1681	.00572	2.4461	.10895
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.3193**	**.11388**	**.90382**	**-.00140**	**.00748**	**1.2344**	**-.02250**	**.27674**	**.03113**	W **15.539**
Stddev	.0242	.00029	.00113	.00019	.00280	.0236	.00120	.00120	.00083	.076
%RSD	.29068	.25700	.12524	13.665	37.428	1.9099	5.3489	.43437	2.6752	.48684
#1	8.3364	.11409	.90302	-.00126	.00550	1.2510	-.02335	.27589	.03172	15.593
#2	8.3022	.11367	.90462	-.00153	.00946	1.2177	-.02165	.27759	.03054	15.486
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										10.000
Low Limit										-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00829**	**.06917**	**.43545**	**.41842**	**.20265**
Stddev	.00004	.01114	.00206	.00249	.00030
%RSD	.53372	16.100	.47265	.59606	.14792
#1	.00832	.07705	.43400	.42018	.20244
#2	.00826	.06130	.43691	.41665	.20287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4441.9**	**65248.**	**5084.8**
Stddev	10.6	151.	5.6
%RSD	.23795	.23188	.11098
#1	4434.4	65141.	5088.8
#2	4449.4	65355.	5080.8

Sample Name: 280-19449-a-1-aSD@5 Acquired: 8/25/2011 14:32:41 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82822 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00074**	**15.086**	**.00661**	**.00483**	**.14715**	**.00092**	**.00634**	**10.727**	**.00038**	**.01656**
Stddev	.00024	.030	.00058	.00052	.00033	.00007	.00003	.035	.00013	.00005
%RSD	31.708	.20127	8.7592	10.718	.22155	7.3492	.41054	.32303	34.055	.29108
#1	-.00091	15.107	.00620	.00519	.14738	.00097	.00632	10.702	.00029	.01659
#2	-.00058	15.065	.00702	.00446	.14692	.00087	.00636	10.751	.00047	.01652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11378**	**.03899**	**45.234**	**2.2021**	**.01800**	**10.075**	**.69216**	**.00032**	**.47534**	**.02419**
Stddev	.00054	.00047	.158	.0454	.00107	.006	.00044	.00045	.00132	.00032
%RSD	.47814	1.2105	.34916	2.0619	5.9242	.05708	.06427	138.00	.27830	1.3026
#1	.11339	.03866	45.346	2.2342	.01876	10.071	.69185	.00001	.47627	.02396
#2	.11416	.03932	45.123	2.1700	.01725	10.079	.69248	.00064	.47440	.02441
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7951**	**.02362**	**.19455**	**.00036**	**.00094**	**.28450**	**-.00583**	**.06036**	**.00534**	**3.3841**
Stddev	.0067	.00015	.00153	.00042	.00147	.01844	.00015	.00025	.00252	.0004
%RSD	.37623	.62741	.78895	117.43	156.70	6.4823	2.4951	.41894	47.257	.01275
#1	1.7903	.02352	.19346	.00006	-.00010	.29754	-.00572	.06054	.00356	3.3838
#2	1.7999	.02373	.19563	.00066	.00197	.27146	-.00593	.06018	.00713	3.3844
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00366**	**.01903**	**.09355**	**.09211**	**.04714**
Stddev	.00168	.01578	.00068	.00078	.00037
%RSD	45.929	82.913	.72304	.84261	.79509
#1	.00485	.03019	.09307	.09156	.04740
#2	.00247	.00787	.09403	.09266	.04687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4222.9**	**62859.**	**4654.5**
Stddev	4.2	128.	11.6
%RSD	.09866	.20425	.24844
#1	4225.8	62950.	4662.7
#2	4219.9	62768.	4646.4

Sample Name: 280-19449-a-1-b du Acquired: 8/25/2011 14:35:09 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82822 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00084	64.096	.02141	.01379	.67433	.00436	.02817	44.951	.00129	.06864
Stddev	.00044	1.068	.00361	.00042	.01219	.00004	.00112	.730	.00013	.00016
%RSD	53.044	1.6665	16.843	3.0207	1.8078	.92041	3.9867	1.6229	9.9558	.23483
#1	-.00115	63.341	.01886	.01409	.66571	.00439	.02897	44.435	.00138	.06853
#2	-.00052	64.851	.02397	.01350	.68295	.00433	.02738	45.467	.00120	.06875
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.48229	.16451	195.64	9.6793	.06856	41.752	3.0834	.00290	1.9872	.09095
Stddev	.00152	.00112	3.26	.1636	.00171	.209	.0174	.00028	.0345	.00046
%RSD	.31554	.68306	1.6672	1.6901	2.4914	.50069	.56537	9.4915	1.7366	.50488
#1	.48122	.16371	193.33	9.5636	.06736	41.605	3.0711	.00270	1.9628	.09063
#2	.48337	.16530	197.94	9.7949	.06977	41.900	3.0957	.00309	2.0116	.09128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.0514	.10550	.66496	-.00150	-.00137	4.4171	-.02062	.25045	.02131	W 14.929
Stddev	.0138	.00301	.00032	.00097	.00178	.0479	.00078	.00485	.00143	.145
%RSD	.17160	2.8549	.04743	64.269	129.61	1.0839	3.7802	1.9366	6.7208	.97449
#1	8.0416	.10337	.66518	-.00082	-.00263	4.3832	-.02006	.24702	.02233	14.826
#2	8.0612	.10763	.66473	-.00219	-.00011	4.4509	-.02117	.25388	.02030	15.032
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										10.000
Low Limit										-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00531	.06136	.40498	.39545	.19734
Stddev	.00142	.01729	.00129	.00315	.00510
%RSD	26.682	28.183	.31901	.79736	2.5827
#1	.00431	.07359	.40407	.39322	.19373
#2	.00632	.04913	.40590	.39768	.20094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4461.5	65542.	5027.1
Stddev	.7	327.	18.3
%RSD	.01501	.49874	.36412
#1	4461.9	65774.	5040.0
#2	4461.0	65311.	5014.1

Sample Name: 280-19449-a-1-c ms Acquired: 8/25/2011 14:37:42 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82822 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03801**	**90.378**	**.86685**	**.81567**	**2.4424**	**.04812**	**1.9908**	**108.68**	**.09067**	**.48583**
Stddev	.00008	.150	.02035	.01630	.0050	.00002	.0364	.11	.00156	.01012
%RSD	.21365	.16602	2.3477	1.9980	.20654	.03548	1.8297	.10291	1.7237	2.0823
#1	.03807	90.272	.85246	.80414	2.4388	.04811	1.9651	108.60	.08957	.47868
#2	.03795	90.484	.88124	.82719	2.4460	.04813	2.0166	108.75	.09178	.49298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.59900**	**.40288**	**229.30**	**54.447**	**.94793**	**90.453**	**3.7343**	**.84737**	**49.867**	**.50551**
Stddev	.01222	.00588	.48	.002	.00158	1.254	.0454	.01511	.217	.00922
%RSD	2.0405	1.4590	.20851	.00319	.16659	1.3867	1.2161	1.7835	.43558	1.8235
#1	.59036	.40703	228.96	54.446	.94905	91.340	3.7664	.83668	49.713	.49899
#2	.60764	.39872	229.64	54.448	.94682	89.566	3.7022	.85806	50.021	.51203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.590**	**.51185**	**.75593**	**.26930**	**1.6532**	**4.9555**	**1.5736**	**1.2173**	**.83457**	W **19.005**
Stddev	.363	.00757	.01869	.00521	.0241	.0743	.0304	.0028	.01348	.132
%RSD	2.0622	1.4794	2.4727	1.9361	1.4561	1.4993	1.9333	.23166	1.6150	.69604
#1	17.333	.50649	.74271	.26562	1.6361	4.9029	1.5521	1.2153	.84410	19.099
#2	17.846	.51720	.76915	.27299	1.6702	5.0080	1.5951	1.2193	.82504	18.912
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										10.000
Low Limit										-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.5934**	**1.8908**	**.90826**	**.83711**	**.71131**
Stddev	.0281	.0288	.01545	.01165	.00610
%RSD	1.7630	1.5249	1.7009	1.3913	.85731
#1	1.5736	1.9112	.91918	.84534	.70700
#2	1.6133	1.8704	.89733	.82887	.71562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4446.7**	**65743.**	**5120.4**
Stddev	44.5	372.	2.2
%RSD	1.0017	.56570	.04318
#1	4478.2	65480.	5121.9
#2	4415.2	66006.	5118.8

Sample Name: CCVH-940568 Acquired: 8/25/2011 14:40:16 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02201**	**49.050**	**-.00134**	**.00356**	**.00068**	**-.00009**	**.97670**	**.03475**	**-.00104**	**.00206**	**.00051**	**-.00236**	**49.273**
Stddev	.00021	.207	.00063	.00026	.00001	.00004	.00396	.00539	.00001	.00031	.00007	.00005	.405
%RSD	.93323	.42164	47.273	7.3026	.75589	45.883	.40553	15.512	.58824	15.094	13.516	1.9257	.82200
#1	-.02187	48.904	-.00089	.00375	.00067	-.00006	.97950	.03856	-.00103	.00184	.00046	-.00233	48.986
#2	-.02216	49.196	-.00178	.00338	.00068	-.00013	.97390	.03094	-.00104	.00228	.00056	-.00240	49.559
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10469**	**.00560**	**-.09401**	**.00070**	**.00139**	**251.51**	**.00103**	**.00586**	**-.00117**	**4.8825**	**-.00453**	**.02021**	**.01512**
Stddev	.00879	.00153	.00284	.00006	.00092	1.27	.00002	.00007	.00061	.0094	.00317	.00633	.00382
%RSD	8.3932	27.320	3.0181	8.2196	66.152	.50354	2.3283	1.1151	52.266	.19201	69.826	31.336	25.260
#1	.11090	.00668	-.09602	.00075	.00074	250.61	.00105	.00582	-.00073	4.8892	-.00677	.01573	.01242
#2	.09848	.00452	-.09201	.00066	.00204	252.40	.00102	.00591	-.00160	4.8759	-.00230	.02468	.01782
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00241**	**.00065**	**4.8652**	**.01096**	**.00537**	**10.294**	**-.00843**	**.00409**	**.02021**
Stddev	.00027	.00015	.0186	.00093	.00131	.040	.00011	.00005	.00098
%RSD	11.249	22.552	.38189	8.5207	24.428	.38862	1.2661	1.1564	4.8682
#1	.00222	.00075	4.8521	.01030	.00444	10.266	-.00835	.00405	.02091
#2	.00260	.00054	4.8784	.01162	.00629	10.322	-.00851	.00412	.01952
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4007.6**	**58542.**	**4492.5**
Stddev	4.5	21.	12.8
%RSD	.11126	.03627	.28459
#1	4004.4	58557.	4501.5
#2	4010.8	58527.	4483.4

Sample Name: CCV-940591 Acquired: 8/25/2011 14:42:46 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50773**	**.49742**	**.99800**	**.49789**	**.49955**	**.49980**	**.00072**	**4.9259**	**.50379**	**.49102**	**.48912**	**.50868**	**2.5041**
Stddev	.00176	.01577	.00150	.00068	.00016	.00013	.00005	.0086	.00010	.00133	.00087	.00055	.0015
%RSD	.34638	3.1703	.14986	.13565	.03218	.02532	6.6858	.17431	.02061	.27097	.17889	.10754	.06150
#1	.50648	.48627	.99906	.49741	.49944	.49971	.00068	4.9320	.50372	.49008	.48850	.50829	2.5030
#2	.50897	.50857	.99694	.49837	.49966	.49989	.00075	4.9198	.50387	.49196	.48974	.50907	2.5051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.599**	**1.0114**	**20.268**	**.50500**	**.49800**	**5.1206**	**.49495**	**.95674**	**1.0042**	**-.00384**	**.98544**	**.98663**	**4.9085**
Stddev	.172	.0025	.017	.00024	.00013	.0058	.00152	.00536	.0020	.00047	.00015	.00196	.0268
%RSD	.34712	.24397	.08170	.04741	.02629	.11319	.30680	.56045	.19847	12.361	.01505	.19838	.54585
#1	49.477	1.0132	20.280	.50517	.49810	5.1247	.49387	.95295	1.0028	-.00350	.98533	.98524	4.8896
#2	49.721	1.0097	20.257	.50483	.49791	5.1165	.49602	.96053	1.0056	-.00417	.98554	.98801	4.9275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98964**	**.50419**	**.00052**	**.49225**	**.99109**	**.01552**	**.50460**	**.50595**	**.50898**
Stddev	.00123	.00038	.00228	.00028	.00146	.03162	.00162	.00006	.00317
%RSD	.12389	.07605	435.19	.05591	.14778	203.80	.32178	.01122	.62310
#1	.99051	.50392	-.00109	.49244	.99213	.03788	.50345	.50599	.50674
#2	.98878	.50446	.00214	.49205	.99006	-.00684	.50575	.50591	.51122
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4107.9**	**60273.**	**4498.7**
Stddev	12.3	163.	6.7
%RSD	.30061	.27018	.14963
#1	4116.6	60158.	4503.4
#2	4099.2	60388.	4493.9

Sample Name: CCB Acquired: 8/25/2011 14:45:06 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00124**	**.00331**	**.00153**	**.00011**	**-.00007**	**-.00057**	**.00167**	**.00039**	**-.00002**	**.00021**
Stddev	.00074	.00025	.00217	.00046	.00019	.00003	.00080	.00154	.00015	.00003	.00044
%RSD	805.51	19.965	65.575	30.172	174.30	43.576	141.29	92.727	39.731	113.64	209.52
#1	-.00043	-.00141	.00178	.00186	-.00002	-.00005	.00000	.00057	.00028	-.00004	-.00010
#2	.00061	-.00106	.00485	.00120	.00024	-.00009	-.00114	.00276	.00049	.00000	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**-.00252**	**.01474**	W **.00355**	**-.00003**	**.00000**	**.00269**	**-.03685**	**.00030**	**-.00234**	**-.00158**
Stddev	.00010	.00106	.00632	.00039	.00027	.00006	.00071	.00369	.00001	.00148	.00122
%RSD	52.134	42.017	42.885	10.916	836.49	16078.	26.358	10.019	2.0203	63.481	77.025
#1	-.00012	-.00327	.01921	.00327	-.00023	.00004	.00219	-.03946	.00029	-.00129	-.00072
#2	-.00026	-.00177	.01027	.00382	.00016	-.00004	.00319	-.03424	.00030	-.00339	-.00245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	F **.00897**	**.00346**	**.00766**	**.00032**	**.00013**	**-.00132**	**.00053**	**.00120**	**.00052**	**-.00041**
Stddev	.00217	.00022	.00095	.02049	.00096	.00015	.00004	.00023	.00141	.01455	.00004
%RSD	295.97	2.4017	27.525	267.50	301.16	119.03	2.9253	43.143	118.01	2789.6	9.6769
#1	.00226	.00882	.00279	.02215	-.00036	.00002	-.00134	.00037	.00219	.01081	-.00044
#2	-.00080	.00913	.00413	-.00683	.00100	.00024	-.00129	.00069	.00020	-.00976	-.00038
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00146**	W **.00456**
Stddev	.00025	.00417
%RSD	17.418	91.514
#1	.00128	.00161
#2	.00164	.00751
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4142.4**	**61649.**	**4501.6**
Stddev	5.7	1.	4.2
%RSD	.13678	.00116	.09403
#1	4146.4	61649.	4504.6
#2	4138.4	61648.	4498.6

Sample Name: CCVL942742 Acquired: 8/25/2011 14:47:41 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01028**	**.10302**	**.01273**	**.09898**	**.01010**	**.00101**	W **.12933**	**.20378**	**.00554**	**.01048**	**.00996**
Stddev	.00053	.00037	.00335	.00024	.00020	.00002	.00205	.00161	.00003	.00035	.00011
%RSD	5.1494	.35498	26.300	.24550	2.0249	2.1698	1.5853	.79142	.58267	3.2942	1.0949
#1	.01065	.10328	.01036	.09880	.01025	.00103	.12788	.20492	.00556	.01023	.01004
#2	.00990	.10277	.01510	.09915	.00996	.00100	.13078	.20264	.00551	.01072	.00989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							20.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01579**	**.10208**	**2.9982**	F **.01575**	**.21270**	**.01063**	**.01969**	**1.0179**	**.04076**	**2.7943**	**.00824**
Stddev	.00012	.00056	.0065	.00062	.00143	.00005	.00029	.0123	.00021	.0073	.00079
%RSD	.74244	.54947	.21521	3.9352	.67037	.44533	1.4893	1.2098	.52107	.25972	9.5708
#1	.01587	.10168	2.9937	.01531	.21370	.01066	.01948	1.0092	.04061	2.7994	.00880
#2	.01570	.10248	3.0028	.01619	.21169	.01059	.01990	1.0266	.04091	2.7892	.00769
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00256**	**.00986**	**.01216**	**.47123**	**.09998**	**.01041**	**.01299**	**.01006**	W **.01831**	**.06853**	**.00967**
Stddev	.00204	.00130	.00096	.00187	.00005	.00001	.00034	.00004	.00080	.03258	.00069
%RSD	79.832	13.231	7.8597	.39624	.05425	.12964	2.6332	.36102	4.3644	47.543	7.1548
#1	.00400	.01078	.01283	.46991	.10001	.01042	.01323	.01003	.01775	.09157	.00918
#2	.00111	.00894	.01148	.47255	.09994	.01040	.01275	.01008	.01888	.04549	.01016
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
Value									.01500		
Range									20.000%		

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02243**	W **.01900**
Stddev	.00015	.00082
%RSD	.64908	4.3386
#1	.02233	.01958
#2	.02253	.01842
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4219.4**	**62375.**	**4575.7**
Stddev	.5	114.	15.3
%RSD	.01101	.18242	.33458
#1	4219.7	62456.	4564.8
#2	4219.0	62295.	4586.5

Sample Name: mb 280-82682/1-a Acquired: 8/25/2011 14:50:12 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL 6010B BO

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00539**	**.00006**	**.00211**	**.00009**	**.00003**	**.00164**	**.04481**	**.00013**	**-.00015**
Stddev	.00005	.00114	.00157	.00027	.00023	.00013	.00300	.00071	.00001	.00001
%RSD	58.531	21.078	2483.1	13.054	264.43	452.20	183.58	1.5894	7.2963	7.0603
#1	-.00005	.00619	-.00105	.00230	.00025	.00012	-.00049	.04431	.00013	-.00014
#2	-.00011	.00458	.00117	.00191	-.00008	-.00006	.00376	.04532	.00014	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00118**	**.02545**	**.02225**	W **.00682**	**.00438**	**.00125**	**-.00009**	**.02943**	**.00026**
Stddev	.00008	.00003	.00168	.01143	.00230	.00073	.00002	.00011	.01830	.00017
%RSD	17.689	2.9375	6.6094	51.387	33.699	16.593	1.5123	124.98	62.183	65.250
#1	.00038	.00116	.02426	.01417	.00520	.00387	.00124	-.00017	.01649	.00014
#2	.00049	.00121	.02664	.03034	.00845	.00490	.00127	-.00001	.04237	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00500					
Low Limit					-.00500					

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00334**	**-.00013**	**.03562**	**-.00053**	**.00048**	**.01453**	**.00679**	**.00038**	**-.00205**	**.00086**
Stddev	.00154	.00110	.00083	.00117	.00195	.00948	.00027	.00000	.00285	.00001
%RSD	46.079	866.87	2.3318	220.77	406.37	65.243	3.9467	.74614	138.54	.94839
#1	.00443	.00065	.03621	.00030	.00186	.00783	.00697	.00038	-.00407	.00085
#2	.00225	-.00090	.03503	-.00136	-.00090	.02123	.00660	.00038	-.00004	.00086
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**-.01012**	**-.00022**	**.00315**	**.00385**
Stddev	.00094	.04904	.00006	.00062	.00171
%RSD	197.92	484.48	27.735	19.842	44.296
#1	-.00019	.02456	-.00026	.00271	.00265
#2	.00114	-.04480	-.00018	.00359	.00506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4222.6**	**63658.**	**4651.7**
Stddev	1.0	522.	1.7
%RSD	.02313	.81978	.03723
#1	4221.9	64027.	4650.5
#2	4223.3	63289.	4653.0

Sample Name: lcs 280-82682/2-a Acquired: 8/25/2011 14:52:48 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL 6010B BO

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04655**	**1.8821**	**.99715**	**.94912**	**2.0024**	**.04993**	F **2.2672**	**48.617**	**.10329**	**.47998**
Stddev	.00045	.0159	.00248	.00074	.0052	.00027	.0058	.074	.00024	.00112
%RSD	.97158	.84517	.24836	.07789	.26085	.53724	.25582	.15263	.23669	.23331
#1	.04623	1.8934	.99540	.94860	1.9988	.04974	2.2713	48.565	.10346	.48077
#2	.04687	1.8709	.99890	.94965	2.0061	.05012	2.2631	48.670	.10312	.47919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19430**	**.25345**	**1.0169**	**50.219**	**1.0193**	**49.483**	**.49838**	**1.0039**	**51.373**	**.48037**
Stddev	.00029	.00098	.0021	.158	.0014	.200	.00188	.0008	.278	.00025
%RSD	.14955	.38854	.20217	.31441	.13895	.40468	.37655	.07646	.54070	.05221
#1	.19450	.25275	1.0184	50.108	1.0183	49.341	.49706	1.0034	51.570	.48020
#2	.19409	.25414	1.0155	50.331	1.0203	49.625	.49971	1.0045	51.177	.48055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7382**	**.49020**	**.02486**	**.48820**	**1.9628**	**1.3354**	**1.9576**	**1.0143**	**.96590**	**.99901**
Stddev	.0070	.00149	.00325	.00072	.0036	.0007	.0001	.0029	.00188	.00154
%RSD	.07201	.30370	13.084	.14739	.18287	.05449	.00573	.28179	.19463	.15446
#1	9.7432	.49125	.02716	.48871	1.9653	1.3349	1.9576	1.0123	.96723	.99792
#2	9.7333	.48915	.02256	.48769	1.9602	1.3359	1.9575	1.0163	.96457	1.0001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9265**	**2.1506**	**.50600**	**.49745**	**.51382**
Stddev	.0028	.0279	.00304	.00294	.00540
%RSD	.14333	1.2975	.60177	.59185	1.0501
#1	1.9285	2.1308	.50384	.49537	.51000
#2	1.9246	2.1703	.50815	.49953	.51763
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3992.9**	**58550.**	**4502.3**
Stddev	9.3	211.	6.9
%RSD	.23255	.36033	.15362
#1	3986.3	58699.	4507.2
#2	3999.5	58400.	4497.4

Sample Name: 280-19413-a-3-a Acquired: 8/25/2011 14:55:06 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL 6010B BO

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00111**	**117.75**	**.13234**	**.02860**	**.26803**	**.00535**	W **-.01334**	**10.221**	**.00953**	**.03107**
Stddev	.00030	.28	.00030	.00083	.00054	.00001	.00192	.015	.00015	.00018
%RSD	26.788	.24035	.22578	2.9107	.20267	.09501	14.412	.14225	1.6054	.56644
#1	-.00132	117.55	.13255	.02801	.26764	.00535	-.01470	10.211	.00942	.03095
#2	-.00090	117.95	.13213	.02919	.26841	.00534	-.01198	10.231	.00964	.03120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							3.0000			
Low Limit							-.01000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17594**	**.10241**	**418.20**	**21.673**	**.26195**	**31.682**	**1.3977**	**.00736**	**1.7918**	**.09190**
Stddev	.00025	.00014	1.32	.106	.00008	.028	.0009	.00142	.0199	.00061
%RSD	.14074	.13819	.31568	.48885	.03035	.08989	.06660	19.303	1.1096	.66124
#1	.17612	.10231	417.26	21.598	.26200	31.702	1.3970	.00636	1.8059	.09233
#2	.17577	.10251	419.13	21.748	.26189	31.661	1.3984	.00837	1.7777	.09147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1718**	**.36514**	**6.0215**	W **-.01508**	**.01221**	**2.3253**	**.00923**	**.04636**	**.06970**	**6.4561**
Stddev	.0067	.00035	.0177	.00065	.00064	.0001	.00065	.00002	.00039	.0062
%RSD	.31031	.09552	.29366	4.3353	5.2343	.00399	7.0766	.04385	.55790	.09668
#1	2.1670	.36490	6.0340	-.01554	.01176	2.3253	.00876	.04634	.06998	6.4517
#2	2.1765	.36539	6.0090	-.01462	.01266	2.3252	.00969	.04637	.06943	6.4605
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				2.0000						
Low Limit				-.01000						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00421**	**.27737**	**.28026**	**7.9387**	**.02615**
Stddev	.00003	.00003	.00079	.0061	.00062
%RSD	.72489	.01050	.28226	.07710	2.3795
#1	.00419	.27739	.28082	7.9430	.02659
#2	.00423	.27735	.27970	7.9344	.02571
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4347.4**	**62635.**	**4952.1**
Stddev	2.9	220.	4.8
%RSD	.06701	.35102	.09767
#1	4345.3	62480.	4955.5
#2	4349.5	62791.	4948.7

Sample Name: 280-19413-a-3-aSD@5 Acquired: 8/25/2011 14:57:35 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL 6010B BO

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00071**	**25.594**	**.02735**	**.00763**	**.05822**	**.00115**	**-.00114**	**2.2330**	**.00216**	**.00690**
Stddev	.00045	.109	.00219	.00001	.00037	.00010	.00056	.0041	.00015	.00001
%RSD	64.221	.42762	8.0133	.17751	.63433	8.9679	48.641	.18224	6.9214	.21216
#1	-.00103	25.516	.02890	.00764	.05849	.00123	-.00075	2.2302	.00226	.00691
#2	-.00038	25.671	.02580	.00762	.05796	.00108	-.00153	2.2359	.00205	.00689
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03772**	**.02151**	**91.440**	**4.5765**	**.06156**	**6.8769**	**.29825**	**.00039**	**.34797**	**.01990**
Stddev	.00004	.00045	.138	.0793	.00169	.0079	.00031	.00005	.00383	.00026
%RSD	.11632	2.0866	.15092	1.7334	2.7513	.11435	.10523	12.157	1.0993	1.2976
#1	.03775	.02182	91.342	4.5204	.06037	6.8714	.29802	.00043	.35068	.01972
#2	.03769	.02119	91.538	4.6326	.06276	6.8825	.29847	.00036	.34527	.02008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45495**	**.08005**	**1.2594**	**-.00289**	**.00277**	**.51018**	**.00128**	**.01019**	**.01233**	**1.3502**
Stddev	.00521	.00093	.0018	.00113	.00345	.01194	.00040	.00007	.00043	.0042
%RSD	1.1457	1.1606	.14526	39.051	124.91	2.3395	31.616	.65524	3.4596	.30803
#1	.45864	.08071	1.2607	-.00368	.00032	.50174	.00099	.01014	.01203	1.3473
#2	.45127	.07939	1.2581	-.00209	.00521	.51862	.00156	.01024	.01264	1.3531
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.06105**	**.05833**	**1.7068**	**.00944**
Stddev	.00032	.00955	.00043	.0033	.00028
%RSD	44.068	15.645	.73451	.19299	2.9949
#1	.00050	.05429	.05864	1.7045	.00963
#2	.00095	.06780	.05803	1.7091	.00924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4199.1**	**61421.**	**4605.4**
Stddev	.9	78.	5.6
%RSD	.02057	.12731	.12248
#1	4198.5	61476.	4609.4
#2	4199.7	61365.	4601.4

Sample Name: 280-19413-a-3-b ms Acquired: 8/25/2011 15:00:05 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL 6010B BO

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04089**	**169.68**	**1.0025**	**.82293**	**2.0853**	**.05025**	**1.9221**	**54.787**	**.10068**	**.43804**
Stddev	.00090	1.49	.0030	.00158	.0187	.00050	.0044	.452	.00008	.00020
%RSD	2.1932	.88058	.29569	.19190	.89658	1.0039	.23020	.82504	.08412	.04613
#1	.04026	168.62	1.0046	.82181	2.0721	.04989	1.9190	54.468	.10074	.43790
#2	.04152	170.74	1.0004	.82405	2.0985	.05060	1.9253	55.107	.10062	.43819
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36799**	**.34231**	**449.32**	**69.892**	**1.2001**	**79.663**	**2.1853**	**.83215**	**49.241**	**.51085**
Stddev	.00008	.00019	3.01	.499	.0110	.118	.0034	.00103	.130	.00077
%RSD	.02288	.05405	.66951	.71343	.91438	.14806	.15623	.12333	.26418	.15124
#1	.36805	.34244	447.20	69.540	1.1924	79.746	2.1877	.83287	49.149	.51031
#2	.36793	.34218	451.45	70.245	1.2079	79.579	2.1829	.83142	49.333	.51140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.512**	**.72640**	**6.3890**	**.14069**	**1.6684**	**5.9560**	**1.5935**	**.94479**	**.92166**	**9.0123**
Stddev	.014	.00021	.0202	.00072	.0016	.0029	.0012	.00742	.00120	.0087
%RSD	.13709	.02879	.31664	.51178	.09718	.04815	.07399	.78537	.13015	.09688
#1	10.502	.72626	6.3746	.14018	1.6673	5.9581	1.5926	.93954	.92251	9.0185
#2	10.523	.72655	6.4033	.14120	1.6696	5.9540	1.5943	.95004	.92082	9.0061
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.5649**	**2.1305**	**.77287**	W **10.794**	**.48681**
Stddev	.0018	.0146	.00218	.019	.00524
%RSD	.11613	.68660	.28157	.17187	1.0757
#1	1.5662	2.1409	.77441	10.807	.48311
#2	1.5637	2.1202	.77133	10.781	.49051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4315.4**	**61500.**	**4924.6**
Stddev	2.6	17.	4.2
%RSD	.06047	.02718	.08522
#1	4313.5	61488.	4921.7
#2	4317.2	61512.	4927.6

Sample Name: 280-19413-a-3-c msd Acquired: 8/25/2011 15:02:27 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL 6010B BO

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04343**	**187.07**	**1.0431**	**.87883**	**2.2378**	**.05314**	**2.0718**	**57.496**	**.10347**	**.47151**
Stddev	.00079	.43	.0037	.00020	.0051	.00023	.0032	.135	.00018	.00017
%RSD	1.8097	.23225	.35292	.02263	.22957	.43180	.15198	.23485	.17689	.03662
#1	.04399	186.77	1.0457	.87898	2.2342	.05298	2.0696	57.400	.10360	.47139
#2	.04288	187.38	1.0405	.87869	2.2414	.05330	2.0741	57.591	.10335	.47163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39973**	**.36256**	**441.38**	**75.720**	**1.2987**	**86.280**	**2.3252**	**.88355**	**52.059**	**.54827**
Stddev	.00047	.00095	1.39	.228	.0009	.177	.0030	.00078	.049	.00004
%RSD	.11785	.26108	.31571	.30154	.07182	.20565	.12711	.08839	.09324	.00679
#1	.40006	.36189	440.40	75.559	1.2993	86.154	2.3231	.88411	52.025	.54829
#2	.39939	.36323	442.37	75.882	1.2980	86.405	2.3272	.88300	52.094	.54824
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.912**	**.69238**	**5.3861**	**.14817**	**1.7832**	**5.8464**	**1.6551**	**1.0090**	**.99330**	**9.8613**
Stddev	.012	.00243	.0109	.00105	.0076	.0438	.0027	.0019	.00457	.0262
%RSD	.10934	.35077	.20275	.70743	.42835	.74983	.15990	.18804	.46022	.26522
#1	10.903	.69410	5.3938	.14743	1.7886	5.8154	1.6570	1.0076	.99007	9.8428
#2	10.920	.69066	5.3783	.14891	1.7778	5.8774	1.6532	1.0103	.99653	9.8798
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.6863**	**2.2233**	**.83054**	W **10.517**	**.51373**
Stddev	.0013	.0185	.00057	.025	.00269
%RSD	.07469	.82998	.06841	.23500	.52320
#1	1.6854	2.2103	.83014	10.499	.51183
#2	1.6872	2.2363	.83095	10.534	.51563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4313.0**	**62036.**	**4992.5**
Stddev	10.8	29.	.7
%RSD	.24983	.04677	.01451
#1	4320.6	62015.	4993.1
#2	4305.4	62056.	4992.0

Sample Name: CCVH-940568 Acquired: 8/25/2011 15:04:49 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02322**	**48.793**	**-.00307**	**.00433**	**.00048**	**-.00020**	**.97135**	**.03095**	**-.00107**	**.00205**	**.00021**	**-.00269**	**49.011**
Stddev	.00058	.108	.00264	.00061	.00086	.00005	.00644	.00080	.00013	.00030	.00010	.00013	.243
%RSD	2.5022	.22036	85.918	14.021	179.00	23.339	.66284	2.5926	12.063	14.734	47.308	4.9918	.49534
#1	-.02281	48.717	-.00493	.00476	.00109	-.00017	.96680	.03151	-.00098	.00184	.00014	-.00259	48.840
#2	-.02363	48.869	-.00120	.00390	-.00013	-.00023	.97591	.03038	-.00116	.00226	.00027	-.00278	49.183
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11383**	**.01092**	**-.09159**	**.00078**	**.00220**	**253.00**	**.00125**	**.00601**	**-.00187**	**4.8959**	**-.00887**	**.02104**	**.02602**
Stddev	.03496	.00011	.00189	.00000	.00158	.08	.00012	.00246	.00115	.0146	.00020	.00248	.00883
%RSD	30.710	1.0127	2.0620	.40937	71.985	.03150	9.9475	40.873	61.569	.29849	2.2719	11.785	33.941
#1	.08911	.01084	-.09025	.00078	.00108	252.95	.00116	.00427	-.00269	4.9062	-.00873	.01928	.03227
#2	.13854	.01100	-.09292	.00077	.00332	253.06	.00134	.00775	-.00106	4.8855	-.00902	.02279	.01978
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00298**	**.00062**	**4.8297**	**.00751**	**.00646**	**10.315**	**-.00885**	**.00477**	**.02300**
Stddev	.00213	.00008	.0098	.00041	.00171	.014	.00033	.00016	.00236
%RSD	71.605	12.635	.20348	5.4449	26.431	.13346	3.7193	3.3043	10.283
#1	.00147	.00068	4.8228	.00722	.00526	10.305	-.00908	.00488	.02467
#2	.00448	.00057	4.8367	.00780	.00767	10.325	-.00862	.00466	.02132
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4048.1**	**58697.**	**4507.7**
Stddev	.5	3.	5.0
%RSD	.01116	.00479	.11047
#1	4048.5	58699.	4504.2
#2	4047.8	58695.	4511.2

Sample Name: CCV-940591 Acquired: 8/25/2011 15:07:20 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51217**	**.49596**	**.99955**	**.50104**	**.50030**	**.49918**	**.00518**	**4.9024**	**.50570**	**.48920**	**.48794**	**.51194**	**2.4910**
Stddev	.00002	.00731	.00087	.00029	.00084	.00019	.00198	.0002	.00056	.00019	.00021	.00063	.0080
%RSD	.00429	1.4735	.08750	.05886	.16733	.03874	38.177	.00347	.11087	.03965	.04230	.12241	.32287
#1	.51219	.49079	.99893	.50083	.49971	.49932	.00378	4.9023	.50530	.48934	.48808	.51239	2.4853
#2	.51215	.50113	1.0002	.50124	.50089	.49905	.00658	4.9025	.50609	.48906	.48779	.51150	2.4967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.576**	**1.0146**	**20.252**	**.50529**	**.49924**	**5.1445**	**.49406**	**.95397**	**1.0058**	**.00103**	**.98870**	**.99530**	**4.8578**
Stddev	.049	.0000	.011	.00031	.00059	.0163	.00087	.00261	.0009	.00182	.00053	.00331	.0097
%RSD	.09943	.00236	.05222	.06117	.11876	.31705	.17548	.27369	.08777	176.15	.05330	.33258	.19880
#1	49.611	1.0146	20.260	.50507	.49966	5.1560	.49467	.95212	1.0052	-.00025	.98907	.99764	4.8646
#2	49.541	1.0146	20.245	.50551	.49882	5.1330	.49344	.95581	1.0065	.00231	.98833	.99296	4.8510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98815**	**.50556**	**.00014**	**.49064**	**.99207**	**-.00164**	**.50668**	**.50307**	**.50727**
Stddev	.00117	.00043	.00270	.00078	.00021	.00370	.00089	.00161	.00234
%RSD	.11889	.08585	1984.0	.15964	.02070	226.53	.17649	.31974	.46076
#1	.98898	.50525	.00205	.49119	.99221	-.00425	.50731	.50420	.50893
#2	.98732	.50586	-.00177	.49008	.99192	.00098	.50605	.50193	.50562
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4157.3**	**60934.**	**4559.9**
Stddev	3.0	100.	22.9
%RSD	.07157	.16379	.50242
#1	4155.2	60863.	4543.7
#2	4159.4	61004.	4576.1

Sample Name: CCB Acquired: 8/25/2011 15:09:42 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00027**	**.00139**	W **.00228**	**-.00002**	**.00001**	**.00029**	**.00160**	**.00023**	**-.00015**	**.00023**
Stddev	.00063	.00066	.00160	.00048	.00012	.00008	.00058	.00301	.00027	.00014	.00019
%RSD	1135.9	245.54	115.00	21.208	616.55	1101.4	201.63	188.65	114.86	94.105	83.060
#1	.00039	-.00073	.00026	.00263	.00006	-.00005	.00069	.00373	.00004	-.00025	.00010
#2	-.00050	.00020	.00252	.00194	-.00010	.00006	-.00012	-.00053	.00043	-.00005	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00065**	**-.00062**	**.00484**	F **.00534**	**.00010**	**-.00005**	**.00293**	**-.02737**	**-.00002**	**-.00199**	**-.00153**
Stddev	.00000	.00079	.01471	.00142	.00142	.00004	.00132	.01573	.00002	.00183	.00089
%RSD	.09329	127.32	304.26	26.605	1451.1	90.670	44.851	57.466	123.40	92.419	58.311
#1	-.00065	-.00118	.01524	.00434	.00110	-.00008	.00200	-.03850	.00000	-.00328	-.00090
#2	-.00065	-.00006	-.00557	.00635	-.00091	-.00002	.00387	-.01625	-.00004	-.00069	-.00216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00522							
Low Limit				-.00522							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00273**	F **.00836**	**.00191**	**.00358**	**.00002**	**.00005**	**.00109**	W **.00062**	**.00030**	**-.03881**	**-.00010**
Stddev	.00144	.00073	.00027	.00517	.00041	.00000	.00159	.00046	.00055	.03180	.00016
%RSD	52.798	8.6958	13.863	144.40	1787.3	5.2613	145.60	74.643	185.23	81.943	166.89
#1	.00375	.00785	.00210	.00723	-.00027	.00005	.00221	.00029	-.00009	-.06129	.00002
#2	.00171	.00888	.00173	-.00008	.00031	.00005	-.00003	.00094	.00069	-.01632	-.00021
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628						.00060			
Low Limit		-.00628						-.00060			

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00165**	F **.00499**
Stddev	.00018	.00068
%RSD	11.208	13.528
#1	.00178	.00547
#2	.00152	.00452
Check ?	Chk Pass	Chk Fail
High Limit		.00476
Low Limit		-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4205.6**	**62613.**	**4578.5**
Stddev	2.9	129.	2.4
%RSD	.06938	.20608	.05221
#1	4207.7	62704.	4580.2
#2	4203.6	62522.	4576.8

Sample Name: CCVL942742 Acquired: 8/25/2011 15:12:17 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00957**	**.09978**	**.01615**	**.09934**	**.01047**	**.00097**	F **.13107**	**.20369**	**.00522**	**.01033**	**.00992**
Stddev	.00035	.00129	.00396	.00068	.00001	.00006	.00120	.00004	.00001	.00013	.00012
%RSD	3.6119	1.2973	24.499	.68110	.09534	6.5168	.91619	.02045	.17117	1.2626	1.1824
#1	.00932	.10069	.01335	.09982	.01047	.00102	.13022	.20366	.00521	.01024	.01000
#2	.00981	.09886	.01895	.09886	.01048	.00093	.13191	.20372	.00523	.01043	.00984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01551**	**.10121**	**3.0092**	F **.01509**	**.21354**	**.01056**	**.01990**	**1.0308**	**.04087**	**2.7757**	**.00852**
Stddev	.00019	.00234	.0119	.00009	.00071	.00003	.00013	.0029	.00063	.0139	.00066
%RSD	1.2464	2.3099	.39520	.59890	.33189	.29650	.63905	.28260	1.5406	.49944	7.7044
#1	.01537	.09956	3.0008	.01502	.21404	.01058	.01981	1.0329	.04043	2.7659	.00899
#2	.01564	.10286	3.0176	.01515	.21304	.01054	.01999	1.0287	.04132	2.7855	.00806
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00578**	**.01128**	**.01455**	**.49048**	**.09892**	**.01042**	**.01310**	**.01025**	**.01790**	**.05071**	**.00958**
Stddev	.00472	.00404	.00040	.00914	.00083	.00001	.00059	.00016	.00109	.02068	.00033
%RSD	81.788	35.823	2.7506	1.8629	.84397	.12284	4.5191	1.5261	6.0972	40.774	3.4203
#1	.00912	.00842	.01426	.48402	.09951	.01043	.01352	.01036	.01713	.06533	.00935
#2	.00244	.01414	.01483	.49694	.09833	.01041	.01268	.01014	.01868	.03609	.00982
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02263**	W **.01865**
Stddev	.00020	.00124
%RSD	.89472	6.6508
#1	.02277	.01777
#2	.02248	.01952
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4264.3**	**63345.**	**4601.3**
Stddev	17.4	42.	4.4
%RSD	.40698	.06702	.09510
#1	4276.6	63375.	4598.2
#2	4252.0	63315.	4604.4

Sample Name: 280-19406-b-3-e Acquired: 8/25/2011 15:14:49 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL 6010B BO

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00094**	**72.421**	F **-.34054**	**.04644**	**.64788**	**.00604**	F **-.08672**	**8.8868**	**.00259**	**.08421**
Stddev	.00005	.406	.13393	.01311	.00368	.00022	.02261	.0702	.00016	.00635
%RSD	4.9659	.56017	39.328	28.220	.56847	3.6940	26.075	.78938	6.0496	7.5463
#1	-.00091	72.134	-.24583	.03717	.64527	.00588	-.07073	8.8372	.00270	.07971
#2	-.00098	72.708	-.43524	.05571	.65048	.00620	-.10271	8.9364	.00248	.08870
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000				100.00			
Low Limit			-.02000				-.02000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09428**	**.09871**	**162.83**	**10.408**	**.10422**	**15.947**	**2.7829**	**.00869**	**1.0278**	**.11283**
Stddev	.00226	.00059	.56	.303	.00393	.019	.0069	.00340	.0164	.00087
%RSD	2.3979	.59529	.34662	2.9132	3.7733	.11840	.24824	39.135	1.5907	.76847
#1	.09588	.09913	162.43	10.194	.10144	15.933	2.7781	.00628	1.0162	.11345
#2	.09268	.09830	163.23	10.622	.10700	15.960	2.7878	.01109	1.0393	.11222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1712**	**.06023**	**1.5334**	F **-.12365**	**-.00293**	**3.7647**	**.05304**	**.09878**	**.03901**	**.85156**
Stddev	.0356	.01332	.5402	.04972	.01984	.0199	.01602	.00035	.00119	.00082
%RSD	1.6416	22.108	35.231	40.211	678.00	.52832	30.204	.35519	3.0596	.09606
#1	2.1964	.06964	1.1514	-.08849	-.01696	3.7788	.04171	.09853	.03986	.85214
#2	2.1460	.05081	1.9154	-.15881	.01110	3.7507	.06437	.09903	.03817	.85098
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				50.000						
Low Limit				-.02000						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04691**	**.03440**	**.05735**	**.38504**	**.06413**
Stddev	.01884	.03461	.00138	.00376	.00621
%RSD	40.157	100.62	2.4123	.97596	9.6793
#1	.03359	.00992	.05833	.38238	.06852
#2	.06023	.05887	.05638	.38769	.05974
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3951.2**	**59582.**	**4657.3**
Stddev	40.9	627.	96.5
%RSD	1.0342	1.0527	2.0714
#1	3980.0	60026.	4725.5
#2	3922.3	59139.	4589.1

Sample Name: 280-19406-b-4-c Acquired: 8/25/2011 15:17:07 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL 6010B BO

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00143	61.979	.02659	.02297	.39341	.00484	-.00796	8.2169	.00165	.06571
Stddev	.00003	.080	.00487	.00055	.00037	.00006	.00105	.0104	.00001	.00003
%RSD	2.2647	.12987	18.317	2.3727	.09463	1.2904	13.148	.12709	.56860	.04659
#1	-.00145	62.036	.02315	.02258	.39368	.00488	-.00722	8.2243	.00164	.06573
#2	-.00141	61.922	.03004	.02336	.39315	.00479	-.00870	8.2095	.00165	.06568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11611	.10388	136.78	10.790	.10242	16.595	2.0122	.00694	.82108	.13305
Stddev	.00009	.00030	.44	.063	.00011	.001	.0008	.00004	.00824	.00032
%RSD	.07344	.28523	.32037	.58680	.10744	.00829	.03785	.51471	1.0031	.24395
#1	.11617	.10367	137.09	10.835	.10249	16.596	2.0117	.00691	.82690	.13328
#2	.11605	.10409	136.47	10.746	.10234	16.594	2.0127	.00696	.81525	.13282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.8064	.07631	2.9554	-.00265	.00202	2.9866	.00409	.07297	.03642	.78847
Stddev	.0072	.00166	.0059	.00099	.00051	.0635	.00042	.00022	.00113	.00193
%RSD	.39748	2.1754	.19972	37.459	25.292	2.1279	10.291	.29891	3.1019	.24537
#1	1.8115	.07514	2.9596	-.00195	.00238	3.0316	.00439	.07313	.03722	.78983
#2	1.8013	.07749	2.9512	-.00336	.00166	2.9417	.00379	.07282	.03562	.78710
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00073	.00806	.08108	.42644	.06512
Stddev	.00082	.02119	.00001	.00132	.00072
%RSD	113.47	263.06	.01804	.30968	1.0981
#1	.00014	-.00693	.08107	.42738	.06462
#2	.00131	.02304	.08109	.42551	.06563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4373.5	63806.	4892.2
Stddev	11.4	30.	4.1
%RSD	.26082	.04633	.08422
#1	4365.4	63785.	4889.2
#2	4381.5	63827.	4895.1

Sample Name: 280-19406-b-5-c Acquired: 8/25/2011 15:19:33 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL 6010B BO

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00114**	**67.645**	**.06183**	**.01341**	**.48198**	**.00597**	**-.00181**	**9.3410**	**.00204**	**.08327**
Stddev	.00007	.172	.00180	.00014	.00183	.00012	.00019	.0469	.00019	.00015
%RSD	6.2738	.25417	2.9065	1.0638	.37944	1.9494	10.511	.50173	9.0949	.18051
#1	-.00109	67.524	.06056	.01331	.48069	.00605	-.00195	9.3079	.00217	.08337
#2	-.00119	67.767	.06310	.01352	.48327	.00589	-.00168	9.3742	.00191	.08316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11140**	**.10112**	**74.914**	**9.8814**	**.09892**	**16.282**	**.52582**	**.00571**	**.66488**	**.13437**
Stddev	.00023	.00005	.336	.0737	.00117	.003	.00038	.00009	.00835	.00001
%RSD	.20254	.05009	.44882	.74581	1.1851	.01638	.07211	1.5905	1.2559	.00957
#1	.11124	.10116	74.677	9.8292	.09975	16.280	.52609	.00577	.65898	.13437
#2	.11156	.10108	75.152	9.9335	.09810	16.284	.52556	.00565	.67079	.13436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98247**	**.08619**	**10.660**	**-.00463**	**.01330**	**3.6061**	**.00372**	**.08591**	**.05677**	**.94799**
Stddev	.00181	.00046	.003	.00184	.00317	.0688	.00060	.00056	.00063	.00833
%RSD	.18416	.53452	.03126	39.725	23.825	1.9065	16.020	.65397	1.1048	.87818
#1	.98375	.08586	10.658	-.00333	.01106	3.6547	.00414	.08551	.05633	.95387
#2	.98119	.08651	10.662	-.00592	.01554	3.5575	.00330	.08630	.05722	.94210
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	W **-.08844**	**.16332**	**.38859**	**.07390**
Stddev	.00128	.01649	.00025	.00051	.00001
%RSD	250.29	18.645	.15323	.13031	.01299
#1	-.00039	-.10010	.16314	.38824	.07389
#2	.00142	-.07678	.16350	.38895	.07391
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4469.6**	**64476.**	**5007.9**
Stddev	7.2	124.	32.1
%RSD	.16132	.19226	.64161
#1	4474.7	64389.	5030.6
#2	4464.5	64564.	4985.2

Sample Name: 280-19406-b-6-c Acquired: 8/25/2011 15:21:59 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL 6010B BO

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k -.00028	39.613	k .04988	.00814	k .29139	k .00392	kF -.04246	17.940	k .00176	k .06120
Stddev	.00006	.186	.00169	.00061	.00083	.00006	.00049	.046	.00003	.00049
%RSD	19.968	.46829	3.3936	7.5305	.28383	1.6515	1.1530	.25620	1.5486	.80299
#1	k -.00024	39.482	k .05108	.00771	k .29080	k .00397	k -.04212	17.907	k .00175	k .06154
#2	k -.00032	39.744	k .04869	.00857	k .29197	k .00388	k -.04281	17.972	k .00178	k .06085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							100.00			
Low Limit							-.02000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07858	k .12752	k 473.05	5.4381	.05961	k 12.414	W 19.756	.00340	.75259	.11976
Stddev	.00025	.00063	.98	.0184	.00267	.005	.053	.00026	.00920	.00072
%RSD	.31682	.49117	.20681	.33749	4.4828	.04188	.26749	7.5168	1.2219	.59930
#1	.07876	k .12708	k 472.36	5.4251	.05772	k 12.410	19.793	.00322	.74609	.11925
#2	.07840	k .12796	k 473.74	5.4511	.06150	k 12.418	19.719	.00358	.75909	.12027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							10.000			
Low Limit							-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.9327	k .07881	6.1676	kF -.02047	k .00612	1.7779	k .00350	.05637	k .41366	k .46036
Stddev	.0238	.00012	.0126	.00215	.00077	.0003	.00072	.00006	.00170	.00156
%RSD	.29982	.15006	.20436	10.492	12.600	.01932	20.599	.10137	.40976	.33879
#1	7.9495	k .07873	6.1766	k -.01895	k .00667	1.7782	k .00401	.05633	k .41486	k .45926
#2	7.9159	k .07889	6.1587	k -.02199	k .00558	1.7777	k .00299	.05642	k .41246	k .46147
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				50.000						
Low Limit				-.02000						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k .00691	k .16148	^ *****	.36954	k .02649
Stddev	.00205	.00312	-----	.00004	.00358
%RSD	29.654	1.9309	-----	.01013	13.515
#1	k .00546	k .16368	^ -----	.36957	k .02396
#2	k .00835	k .15927	^ -----	.36951	k .02902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4391.1	63362.	4893.8
Stddev	11.2	442.	15.4
%RSD	.25534	.69688	.31518
#1	4383.2	63049.	4904.8
#2	4399.0	63674.	4882.9

Sample Name: 280-19406-b-7-c Acquired: 8/25/2011 15:24:36 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL 6010B BO

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00216**	**87.368**	**.02339**	**.01479**	**.63155**	**.00698**	**-.00070**	**12.910**	**.00176**	**.07670**
Stddev	.00031	.066	.00050	.00084	.00048	.00002	.00071	.016	.00010	.00008
%RSD	14.257	.07591	2.1463	5.6506	.07585	.28387	101.39	.12099	5.5411	.10198
#1	-.00194	87.321	.02375	.01538	.63121	.00697	-.00020	12.899	.00169	.07664
#2	-.00238	87.415	.02304	.01420	.63188	.00700	-.00120	12.922	.00183	.07675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12953**	**.13056**	**85.885**	**11.399**	**.13165**	**20.937**	**.62315**	**.00309**	**.48777**	**.15511**
Stddev	.00039	.00001	.237	.020	.00412	.022	.00084	.00004	.02064	.00003
%RSD	.29849	.01088	.27578	.17701	3.1281	.10275	.13456	1.3680	4.2309	.02158
#1	.12980	.13057	85.718	11.385	.13456	20.953	.62375	.00312	.50237	.15509
#2	.12925	.13055	86.053	11.414	.12873	20.922	.62256	.00306	.47318	.15514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95086**	**.10301**	**7.9821**	**-.00299**	**.01174**	**4.0461**	**.00378**	**.11272**	**.05550**	**1.0374**
Stddev	.00223	.00214	.0005	.00003	.00388	.0093	.00124	.00004	.00212	.0031
%RSD	.23501	2.0730	.00647	.92243	33.088	.22994	32.881	.03782	3.8120	.29860
#1	.95244	.10451	7.9825	-.00297	.00899	4.0526	.00290	.11269	.05699	1.0396
#2	.94928	.10150	7.9817	-.00301	.01448	4.0395	.00466	.11275	.05400	1.0352
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00074**	W **-.07054**	**.17320**	**.49248**	**.07944**
Stddev	.00250	.00959	.00143	.00220	.00055
%RSD	338.35	13.603	.82383	.44710	.69249
#1	-.00250	-.06375	.17421	.49404	.07983
#2	.00103	-.07732	.17219	.49093	.07905
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4513.9**	**64930.**	**5084.9**
Stddev	2.7	94.	9.4
%RSD	.05989	.14488	.18397
#1	4515.9	64997.	5091.5
#2	4512.0	64864.	5078.3

Sample Name: 280-19406-b-8-c Acquired: 8/25/2011 15:27:07 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL 6010B BO

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .00000	23.529	k .04169	.00413	1.3795	k .00263	kW -.01986	5.5977	k .00123	k .04985
Stddev	.00014	.123	.00074	.00017	.0042	.00008	.00006	.0309	.00010	.00004
%RSD	12366.	.52105	1.7784	4.1235	.30097	3.0731	.28867	.55250	7.9379	.08616
#1	k -.00010	23.442	k .04221	.00425	1.3766	k .00257	k -.01990	5.5758	k .00130	k .04988
#2	k .00010	23.616	k .04116	.00401	1.3825	k .00268	k -.01982	5.6195	k .00116	k .04982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							3.0000			
Low Limit							-.01000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .04517	k .04988	k 208.06	3.8651	.02902	k 4.7345	F 30.397	.00339	.33732	.06049
Stddev	.00002	.00013	.88	.0187	.00110	.0057	.009	.00033	.01111	.00038
%RSD	.05194	.25488	.42411	.48421	3.7991	.12083	.02922	9.7651	3.2951	.62081
#1	k .04515	k .04979	k 207.44	3.8519	.02824	k 4.7305	30.403	.00315	.34518	.06022
#2	k .04519	k .04997	k 208.69	3.8784	.02980	k 4.7386	30.390	.00362	.32946	.06075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							20.000			
Low Limit							-.02000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.6510	k .05242	.16422	kW -.01024	k .00160	2.3235	k .00390	.09579	k .18563	k .33910
Stddev	.0047	.00084	.00005	.00076	.00251	.0271	.00016	.00013	.00074	.00195
%RSD	.17737	1.6091	.03069	7.4422	157.03	1.1641	4.1713	.13207	.40071	.57415
#1	2.6477	k .05182	.16418	k -.01078	k .00337	2.3044	k .00401	.09570	k .18615	k .33773
#2	2.6543	k .05301	.16425	k -.00971	k -.00018	2.3427	k .00378	.09588	k .18510	k .34048
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				2.0000						
Low Limit				-.01000						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k .01404	kF -.11914	^ *****	k .19712	k .02122
Stddev	.00194	.00874	-----	.00004	.00179
%RSD	13.832	7.3332	-----	.02007	8.4334
#1	k .01541	k -.12532	^ -----	k .19715	k .02249
#2	k .01266	k -.11297	^ -----	k .19709	k .01996
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000			
Low Limit		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4292.2	62725.	4728.9
Stddev	.3	17.	34.0
%RSD	.00603	.02764	.71886
#1	4292.4	62712.	4752.9
#2	4292.0	62737.	4704.9

Sample Name: 280-19413-a-3-b ms Acquired: 8/25/2011 15:29:41 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL 6010B BO

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04280**	**172.69**	**1.0356**	**.84825**	**2.1380**	**.05105**	**1.9894**	**55.668**	**.10359**	**.45172**
Stddev	.00083	.75	.0013	.00037	.0064	.00002	.0011	.134	.00002	.00116
%RSD	1.9313	.43188	.12782	.04406	.29926	.04511	.05334	.24014	.02367	.25760
#1	.04221	172.16	1.0366	.84798	2.1335	.05107	1.9902	55.574	.10361	.45254
#2	.04338	173.21	1.0347	.84851	2.1426	.05104	1.9887	55.763	.10357	.45090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38249**	**.35276**	**458.96**	**71.342**	**1.2242**	**81.574**	**2.2462**	**.85473**	**49.849**	**.52558**
Stddev	.00039	.00062	1.44	.262	.0091	.185	.0042	.00192	.191	.00002
%RSD	.10266	.17537	.31340	.36725	.74620	.22732	.18801	.22409	.38336	.00351
#1	.38277	.35232	457.94	71.157	1.2177	81.443	2.2432	.85609	49.714	.52559
#2	.38221	.35320	459.97	71.528	1.2306	81.705	2.2492	.85338	49.984	.52556
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.780**	**.74695**	**6.5477**	**.14378**	**1.7213**	**6.0433**	**1.6319**	**.96840**	**.94179**	**9.2401**
Stddev	.019	.00154	.0111	.00187	.0010	.0139	.0016	.00362	.00090	.0151
%RSD	.17414	.20645	.16910	1.3032	.05989	.22930	.10034	.37334	.09505	.16330
#1	10.793	.74586	6.5555	.14245	1.7220	6.0531	1.6307	.96584	.94115	9.2294
#2	10.766	.74804	6.5399	.14510	1.7206	6.0335	1.6330	.97096	.94242	9.2508
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.6318**	**2.1956**	**.79750**	W **11.049**	**.49512**
Stddev	.0002	.0348	.00205	.016	.00447
%RSD	.01242	1.5851	.25761	.14757	.90298
#1	1.6319	2.1710	.79605	11.038	.49196
#2	1.6316	2.2202	.79896	11.061	.49828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4248.6**	**60855.**	**4890.4**
Stddev	3.2	40.	28.7
%RSD	.07586	.06652	.58608
#1	4246.3	60884.	4910.6
#2	4250.9	60826.	4870.1

Sample Name: 280-19413-a-3-c msd Acquired: 8/25/2011 15:32:03 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL 6010B BO

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04384**	**190.79**	**1.0618**	**.89712**	**2.2931**	**.05430**	**2.1193**	**58.626**	**.10543**	**.47998**
Stddev	.00006	.18	.0003	.00039	.0040	.00009	.0007	.099	.00018	.00060
%RSD	.12847	.09203	.02510	.04338	.17216	.16016	.03394	.16936	.16751	.12469
#1	.04388	190.67	1.0616	.89740	2.2903	.05424	2.1198	58.556	.10556	.47956
#2	.04380	190.92	1.0620	.89684	2.2959	.05437	2.1188	58.697	.10531	.48040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40904**	**.37121**	**450.49**	**77.272**	**1.3216**	**87.832**	**2.3822**	**.90967**	**53.454**	**.55953**
Stddev	.00006	.00056	.54	.071	.0004	.012	.0005	.00214	.084	.00126
%RSD	.01350	.14952	.11964	.09179	.03227	.01327	.01961	.23540	.15785	.22592
#1	.40900	.37160	450.11	77.221	1.3213	87.824	2.3825	.91118	53.514	.55864
#2	.40908	.37081	450.87	77.322	1.3219	87.841	2.3819	.90815	53.394	.56042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.116**	**.71079**	**5.5053**	**.15381**	**1.8202**	**6.0753**	**1.6936**	**1.0346**	**1.0150**	W **10.040**
Stddev	.003	.00085	.0022	.00038	.0027	.0881	.0003	.0017	.0006	.005
%RSD	.02332	.11982	.03933	.24883	.15043	1.4497	.01468	.16347	.06385	.04846
#1	11.114	.71139	5.5068	.15354	1.8221	6.0130	1.6938	1.0334	1.0155	10.037
#2	11.118	.71019	5.5038	.15408	1.8183	6.1375	1.6934	1.0358	1.0146	10.043
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										10.000
Low Limit										-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.7164**	**2.2802**	**.84645**	W **10.727**	**.52928**
Stddev	.0008	.0101	.00127	.004	.00382
%RSD	.04801	.44124	.15022	.03496	.72087
#1	1.7158	2.2731	.84735	10.724	.52658
#2	1.7170	2.2873	.84555	10.729	.53198
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4275.0**	**61163.**	**4890.8**
Stddev	4.3	3.	3.2
%RSD	.09980	.00485	.06488
#1	4272.0	61165.	4888.5
#2	4278.0	61161.	4893.0

Sample Name: CCVH-940568 Acquired: 8/25/2011 15:34:25 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02317**	**50.134**	**-.00323**	**.00375**	**.00098**	**-.00013**	**.99733**	**.03355**	**-.00112**	**.00216**	**.00001**	**-.00328**	**50.621**
Stddev	.00022	.115	.00292	.00035	.00045	.00005	.00246	.00145	.00018	.00004	.00031	.00013	.309
%RSD	.94336	.22991	90.217	9.4387	45.953	36.659	.24670	4.3339	15.662	2.0673	3584.8	4.0265	.61136
#1	-.02301	50.052	-.00117	.00400	.00130	-.00017	.99559	.03458	-.00099	.00219	-.00021	-.00319	50.402
#2	-.02332	50.215	-.00529	.00350	.00066	-.00010	.99907	.03252	-.00124	.00213	.00023	-.00337	50.840
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15653**	**.00427**	**-.09110**	**.00094**	**.00170**	**260.41**	**.00130**	**.00422**	**.00041**	**5.0272**	**-.00861**	**.02317**	**.03653**
Stddev	.05680	.00008	.00199	.00006	.00117	.38	.00011	.00215	.00012	.0250	.00316	.00350	.00248
%RSD	36.290	1.7616	2.1883	6.6560	68.386	.14616	8.3011	50.902	29.236	.49803	36.676	15.120	6.7893
#1	.19670	.00433	-.08969	.00098	.00088	260.15	.00123	.00573	.00032	5.0449	-.00638	.02069	.03828
#2	.11636	.00422	-.09251	.00089	.00253	260.68	.00138	.00270	.00049	5.0095	-.01084	.02565	.03478
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00228**	**.00071**	**4.9577**	**.00800**	**.00516**	**10.576**	**-.00924**	**.00465**	**.02280**
Stddev	.00039	.00003	.0052	.00034	.00099	.084	.00021	.00014	.00356
%RSD	16.867	3.9640	.10413	4.2331	19.106	.79100	2.2655	2.9176	15.632
#1	.00201	.00073	4.9614	.00824	.00586	10.635	-.00910	.00475	.02028
#2	.00256	.00069	4.9541	.00776	.00446	10.517	-.00939	.00456	.02532
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3983.3**	**57940.**	**4417.2**
Stddev	.1	69.	28.7
%RSD	.00365	.11854	.65023
#1	3983.2	57988.	4437.5
#2	3983.4	57891.	4396.9

Sample Name: CCV-940591 Acquired: 8/25/2011 15:36:55 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52302**	**.50686**	**1.0206**	**.51432**	**.51431**	**.51115**	**.00374**	**5.0298**	**.51817**	**.49974**	**.50040**	**.52417**	**2.5678**
Stddev	.00086	.00175	.0036	.00006	.00061	.00036	.00405	.0025	.00140	.00009	.00106	.00001	.0018
%RSD	.16405	.34597	.34753	.01226	.11897	.07085	108.36	.04997	.27011	.01829	.21219	.00197	.06844
#1	.52362	.50562	1.0181	.51428	.51474	.51140	.00660	5.0316	.51718	.49968	.50115	.52416	2.5666
#2	.52241	.50810	1.0231	.51437	.51388	.51089	.00087	5.0280	.51916	.49981	.49965	.52418	2.5690
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.662**	**1.0307**	**20.778**	**.52071**	**.51412**	**5.2875**	**.50696**	**.97274**	**1.0349**	**-.00337**	**1.0167**	**1.0188**	**5.0088**
Stddev	.048	.0013	.020	.00013	.00005	.0166	.00043	.00114	.0012	.00550	.0006	.0010	.0120
%RSD	.09381	.12840	.09498	.02588	.01062	.31445	.08491	.11719	.11302	162.88	.05432	.09875	.24032
#1	50.696	1.0298	20.764	.52080	.51409	5.2993	.50726	.97355	1.0341	.00051	1.0171	1.0181	5.0173
#2	50.628	1.0317	20.792	.52061	.51416	5.2758	.50665	.97194	1.0358	-.00726	1.0163	1.0195	5.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0153**	**.51962**	**-.00229**	**.50284**	**1.0113**	**.01301**	**.52003**	**.51896**	**.52332**
Stddev	.0004	.00022	.00150	.00024	.0006	.06557	.00003	.00016	.00176
%RSD	.04285	.04276	65.319	.04677	.05591	504.09	.00635	.03118	.33621
#1	1.0156	.51978	-.00123	.50267	1.0117	-.03336	.52006	.51908	.52456
#2	1.0150	.51947	-.00335	.50300	1.0109	.05937	.52001	.51885	.52208
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4053.0**	**58997.**	**4417.9**
Stddev	4.9	128.	6.9
%RSD	.12182	.21629	.15649
#1	4049.6	59087.	4422.8
#2	4056.5	58907.	4413.0

Sample Name: CCB Acquired: 8/25/2011 15:39:16 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00016**	**.00150**	W **.00172**	**.00032**	**.00006**	**.00147**	**.00786**	**.00027**	**-.00007**	**-.00001**
Stddev	.00002	.00082	.00087	.00015	.00017	.00002	.00156	.00539	.00015	.00043	.00007
%RSD	44.861	517.34	58.060	8.7696	54.445	28.155	105.85	68.544	56.712	608.56	673.70
#1	-.00004	-.00042	.00088	.00183	.00044	.00004	.00037	.00405	.00016	-.00037	-.00006
#2	-.00007	.00074	.00211	.00161	.00020	.00007	.00257	.01167	.00037	.00023	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00107**	**.02537**	W **.00457**	**-.00009**	**-.00002**	**.00287**	**-.04324**	**.00022**	**-.00065**	**-.00121**
Stddev	.00015	.00043	.05480	.00085	.00046	.00005	.00062	.01932	.00037	.00235	.00020
%RSD	124.78	40.222	215.99	18.526	489.24	286.27	21.545	44.695	166.95	359.23	16.127
#1	.00022	.00077	.06412	.00517	-.00042	.00002	.00243	-.05690	-.00004	-.00231	-.00135
#2	.00001	.00138	-.01338	.00397	.00023	-.00005	.00330	-.02957	.00048	.00101	-.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00097**	F **.00914**	W **.00662**	**.00416**	**.00141**	**.00018**	**-.00166**	**.00043**	**-.00006**	**.01879**	**-.00003**
Stddev	.00150	.00426	.00377	.01194	.00058	.00002	.00198	.00043	.00157	.02453	.00015
%RSD	154.12	46.555	56.897	286.78	41.537	10.518	119.63	101.06	2702.7	130.58	446.71
#1	-.00203	.00613	.00928	-.00428	.00099	.00019	-.00306	.00012	.00105	.03613	-.00014
#2	.00009	.01215	.00396	.01261	.00182	.00017	-.00026	.00073	-.00117	.00144	.00007
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00188**	**.00236**
Stddev	.00004	.00071
%RSD	2.1053	30.020
#1	.00185	.00186
#2	.00190	.00286
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4074.2**	**60348.**	**4383.4**
Stddev	10.7	31.	.1
%RSD	.26315	.05100	.00262
#1	4081.8	60370.	4383.5
#2	4066.6	60327.	4383.3

Sample Name: CCVL942742 Acquired: 8/25/2011 15:41:51 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01034**	**.10582**	**.01642**	**.10275**	**.01064**	**.00095**	F **.13324**	**.21312**	**.00576**	**.01069**	**.01026**
Stddev	.00001	.00167	.00148	.00035	.00015	.00009	.00170	.00011	.00020	.00029	.00005
%RSD	.09146	1.5741	9.0092	.34382	1.3778	9.3630	1.2760	.04929	3.4558	2.7279	.45075
#1	.01035	.10465	.01746	.10300	.01053	.00102	.13204	.21320	.00590	.01090	.01023
#2	.01033	.10700	.01537	.10250	.01074	.00089	.13445	.21305	.00562	.01049	.01029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01615**	**.10371**	**3.0238**	F **.01654**	**.21839**	**.01090**	**.02025**	**1.0675**	**.04230**	**2.8566**	**.00829**
Stddev	.00049	.00143	.0219	.00156	.00092	.00008	.00013	.0067	.00004	.0121	.00297
%RSD	3.0147	1.3743	.72490	9.4166	.42270	.70416	.66478	.62645	.09617	.42257	35.785
#1	.01650	.10472	3.0083	.01544	.21904	.01085	.02035	1.0627	.04233	2.8651	.00619
#2	.01581	.10271	3.0393	.01764	.21773	.01096	.02016	1.0722	.04227	2.8481	.01039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00181**	**.01140**	**.01397**	**.50185**	**.10246**	**.01074**	**.01371**	**.01023**	W **.01827**	**.05821**	**.01012**
Stddev	.00445	.00002	.00044	.00653	.00019	.00008	.00208	.00039	.00011	.04072	.00035
%RSD	245.47	.14085	3.1530	1.3010	.18490	.74809	15.200	3.8347	.59834	69.957	3.4802
#1	-.00133	.01139	.01366	.50647	.10233	.01068	.01224	.00995	.01819	.08700	.01037
#2	.00496	.01141	.01428	.49724	.10260	.01079	.01519	.01051	.01834	.02941	.00987
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
Value									.01500		
Range									20.000%		

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02276**	W **.01899**
Stddev	.00002	.00004
%RSD	.09919	.19078
#1	.02275	.01902
#2	.02278	.01897
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4131.1**	**61296.**	**4427.5**
Stddev	1.5	57.	18.9
%RSD	.03660	.09359	.42781
#1	4132.2	61337.	4414.1
#2	4130.0	61256.	4440.9

Sample Name: MB 280-82687/1-A Acquired: 8/25/2011 15:44:24 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82687 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00132**	**-.00217**	**.00150**	**.00019**	**-.00004**	**.00272**	**.00352**	**.00034**	**-.00012**
Stddev	.00039	.00008	.00093	.00022	.00045	.00002	.00292	.00002	.00021	.00014
%RSD	985.95	6.1543	42.740	14.665	238.54	45.695	107.14	.56050	60.834	117.61
#1	.00032	.00126	-.00151	.00135	.00050	-.00003	.00066	.00353	.00049	-.00021
#2	-.00024	.00138	-.00282	.00166	-.00013	-.00006	.00478	.00350	.00020	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00015**	**-.00313**	**.00365**	W **.00528**	**-.00103**	**.00010**	**.00024**	**-.02709**	**.00009**
Stddev	.00006	.00004	.00127	.00639	.00114	.00080	.00007	.00025	.00148	.00001
%RSD	92.707	27.575	40.572	174.97	21.666	78.021	72.981	103.88	5.4538	7.7121
#1	-.00002	.00012	-.00223	.00818	.00448	-.00159	.00005	.00006	-.02814	.00009
#2	-.00010	.00018	-.00402	-.00087	.00609	-.00046	.00014	.00042	-.02605	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00500					
Low Limit					-.00500					

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00342**	**-.00154**	**.00153**	**-.00152**	**-.00384**	**-.01020**	**-.00030**	**.00013**	**-.00077**	**.00040**
Stddev	.00000	.00080	.00206	.00063	.00220	.01500	.00018	.00003	.00034	.00006
%RSD	.00217	51.963	134.82	41.223	57.295	147.01	59.570	22.025	44.527	13.853
#1	-.00342	-.00211	.00299	-.00196	-.00540	-.02081	-.00018	.00015	-.00052	.00036
#2	-.00342	-.00097	.00007	-.00108	-.00229	.00040	-.00043	.00011	-.00101	.00044
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**-.00513**	**.00038**	**.00112**	**.00426**
Stddev	.00004	.00011	.00077	.00028	.00020
%RSD	11.088	2.1650	204.02	24.914	4.7950
#1	.00029	-.00521	-.00017	.00092	.00440
#2	.00034	-.00505	.00093	.00132	.00411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4126.7**	**61221.**	**4455.0**
Stddev	.2	58.	10.1
%RSD	.00390	.09482	.22642
#1	4126.8	61180.	4447.9
#2	4126.6	61262.	4462.2

Sample Name: LCS 280-82687/2-A Acquired: 8/25/2011 15:47:01 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82687 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04775**	**1.8669**	**1.0134**	**.98563**	**2.0439**	**.05069**	F **2.3279**	**49.322**	**.10509**	**.48697**
Stddev	.00027	.0268	.0017	.00241	.0081	.00019	.0126	.143	.00021	.00170
%RSD	.56116	1.4342	.17144	.24458	.39853	.37808	.54107	.28976	.20079	.34813
#1	.04756	1.8858	1.0122	.98393	2.0497	.05083	2.3369	49.423	.10494	.48817
#2	.04794	1.8479	1.0146	.98734	2.0382	.05056	2.3190	49.221	.10524	.48577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19936**	**.25552**	**1.0044**	**50.954**	**1.0237**	**50.407**	**.50704**	**1.0219**	**52.469**	**.48913**
Stddev	.00052	.00001	.0012	.194	.0003	.033	.00086	.0027	.302	.00182
%RSD	.26179	.00279	.12278	.38036	.03202	.06614	.17050	.26415	.57524	.37223
#1	.19973	.25552	1.0052	51.091	1.0240	50.430	.50765	1.0238	52.683	.49041
#2	.19899	.25553	1.0035	50.817	1.0235	50.383	.50643	1.0200	52.256	.48784
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8357**	**.49783**	**-.00374**	**.50882**	**2.0192**	**9.8074**	**1.9947**	**1.0354**	**.99440**	**1.0145**
Stddev	.0396	.00106	.00029	.00338	.0009	.0000	.0027	.0047	.00135	.0007
%RSD	.40235	.21256	7.6807	.66396	.04262	.00014	.13712	.45387	.13545	.07002
#1	9.8637	.49858	-.00395	.51121	2.0186	9.8074	1.9966	1.0388	.99345	1.0140
#2	9.8077	.49708	-.00354	.50644	2.0198	9.8075	1.9927	1.0321	.99535	1.0150
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9787**	**2.1341**	**.51548**	**.50504**	**.52949**
Stddev	.0055	.0221	.00020	.00078	.00367
%RSD	.27548	1.0336	.03862	.15526	.69233
#1	1.9826	2.1185	.51562	.50449	.53209
#2	1.9748	2.1497	.51534	.50560	.52690
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3949.5**	**57655.**	**4392.5**
Stddev	18.1	69.	13.9
%RSD	.45838	.11929	.31731
#1	3936.7	57703.	4382.6
#2	3962.3	57606.	4402.3

Sample Name: 280-19406-D-1-A Acquired: 8/25/2011 15:49:21 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82687 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**22.617**	**.05070**	**.19235**	**.58865**	**.00219**	**.00359**	**132.43**	**.00095**	**.03010**
Stddev	.00003	.031	.00428	.00062	.00059	.00005	.00030	.01	.00025	.00015
%RSD	17.941	.13492	8.4370	.32197	.10053	2.4220	8.4274	.00621	26.207	.49553
#1	-.00016	22.596	.05373	.19191	.58823	.00223	.00338	132.44	.00078	.02999
#2	-.00021	22.639	.04768	.19279	.58906	.00215	.00381	132.43	.00113	.03020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04542**	**.05161**	**32.138**	**5.6979**	**.03669**	**43.302**	**1.1052**	**.01990**	**44.704**	**.04795**
Stddev	.00008	.00053	.077	.0238	.00051	.036	.0009	.00110	.354	.00023
%RSD	.18262	1.0326	.23839	.41835	1.4007	.08391	.08264	5.5436	.79146	.48574
#1	.04536	.05199	32.084	5.7148	.03633	43.276	1.1045	.01912	44.954	.04811
#2	.04548	.05123	32.192	5.6811	.03705	43.327	1.1058	.02068	44.453	.04778
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31690**	**.04041**	**14.228**	**-.00032**	**.01126**	**32.139**	**.00114**	**.64890**	**.00990**	**.26553**
Stddev	.00027	.00127	.010	.00054	.00341	.034	.00057	.00050	.00113	.00033
%RSD	.08586	3.1545	.07123	166.56	30.277	.10529	50.318	.07772	11.375	.12535
#1	.31670	.03951	14.221	-.00071	.00885	32.115	.00073	.64854	.00910	.26530
#2	.31709	.04132	14.235	.00006	.01366	32.163	.00154	.64926	.01070	.26577
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00360**	**.01923**	**.03413**	**.19466**	**.00885**
Stddev	.00094	.01023	.00010	.00116	.00009
%RSD	26.221	53.217	.29764	.59507	.97480
#1	.00293	.01199	.03406	.19384	.00879
#2	.00426	.02646	.03420	.19548	.00891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4029.0**	**58251.**	**4587.4**
Stddev	1.6	113.	9.4
%RSD	.03994	.19449	.20460
#1	4030.1	58332.	4580.8
#2	4027.8	58171.	4594.0

Sample Name: 280-19406-D-1-Asd@5 Acquired: 8/25/2011 15:51:48 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82687 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00015	4.7025	.00729	.04017	.12239	.00050	.00020	27.453	.00026	.00589
Stddev	.00011	.0093	.00149	.00068	.00057	.00004	.00091	.079	.00009	.00032
%RSD	73.578	.19796	20.455	1.7023	.46898	7.0792	449.31	.28859	32.904	5.4391
#1	.00007	4.7091	.00623	.04065	.12280	.00052	.00085	27.509	.00033	.00612
#2	.00022	4.6959	.00834	.03968	.12199	.00047	-.00044	27.397	.00020	.00566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00940	.01076	6.8008	1.1386	.01119	9.0223	.22828	.00370	W 9.1195	.00984
Stddev	.00010	.00049	.0174	.0163	.00266	.0226	.00028	.00052	.0248	.00013
%RSD	1.0297	4.6007	.25554	1.4319	23.757	.24999	.12194	14.108	.27221	1.3507
#1	.00947	.01041	6.8131	1.1271	.01307	9.0063	.22809	.00333	9.1371	.00975
#2	.00933	.01111	6.7885	1.1501	.00931	9.0382	.22848	.00407	9.1020	.00994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									9.0000	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06268	.00877	2.8580	.00088	.00134	6.7067	.00012	.13473	.00096	.05506
Stddev	.00356	.00170	.0138	.00022	.00023	.0040	.00098	.00065	.00230	.00055
%RSD	5.6736	19.400	.48115	24.844	16.918	.06017	838.85	.48139	240.70	1.0031
#1	.06017	.00997	2.8677	.00073	.00150	6.7096	-.00058	.13519	-.00067	.05467
#2	.06520	.00757	2.8483	.00104	.00118	6.7039	.00081	.13427	.00259	.05545
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00060	-.00595	.00647	.04315	.00534
Stddev	.00043	.00848	.00036	.00014	.00360
%RSD	71.914	142.38	5.5790	.32903	67.391
#1	.00030	-.01195	.00622	.04305	.00280
#2	.00091	.00004	.00673	.04325	.00789
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4055.5	59306.	4407.7
Stddev	1.2	.	13.7
%RSD	.02875	.00037	.31100
#1	4054.7	59307.	4398.0
#2	4056.4	59306.	4417.4

Sample Name: 280-19406-D-1-B MS Acquired: 8/25/2011 15:54:19 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82687 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04769**	**47.301**	**1.0611**	**1.1582**	**2.6455**	**.05238**	**2.2594**	**180.96**	**.10473**	**.49618**
Stddev	.00006	.073	.0002	.0003	.0027	.00025	.0010	.39	.00006	.00113
%RSD	.13036	.15342	.02088	.02284	.10311	.48175	.04380	.21300	.05419	.22734
#1	.04764	47.249	1.0612	1.1580	2.6436	.05220	2.2587	180.69	.10469	.49698
#2	.04773	47.352	1.0609	1.1584	2.6474	.05256	2.2601	181.23	.10477	.49538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25153**	**.30726**	**36.537**	**59.815**	**1.0743**	**93.743**	**1.6184**	**1.0144**	**96.763**	**.52629**
Stddev	.00081	.00009	.060	.049	.0004	.064	.0022	.0020	.180	.00062
%RSD	.32398	.02900	.16409	.08144	.03839	.06836	.13295	.20094	.18599	.11848
#1	.25210	.30720	36.495	59.781	1.0746	93.698	1.6169	1.0158	96.636	.52673
#2	.25095	.30732	36.580	59.850	1.0740	93.788	1.6199	1.0129	96.890	.52585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9456**	**.52372**	**14.467**	**.43969**	**1.9754**	W **61.796**	**1.8892**	**1.7033**	**.99384**	**1.3382**
Stddev	.0282	.00178	.008	.00414	.0080	.072	.0001	.0029	.00135	.0003
%RSD	.28361	.33973	.05788	.94092	.40618	.11640	.00461	.16793	.13593	.02135
#1	9.9655	.52498	14.473	.44262	1.9811	61.847	1.8891	1.7013	.99289	1.3384
#2	9.9256	.52246	14.461	.43677	1.9697	61.746	1.8893	1.7053	.99480	1.3380
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						50.000				
Low Limit						-.10000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8420**	**2.1402**	**.56215**	**.70020**	**.54730**
Stddev	.0015	.0193	.00013	.00083	.00439
%RSD	.08051	.90086	.02251	.11896	.80231
#1	1.8430	2.1266	.56224	.70079	.54420
#2	1.8409	2.1538	.56206	.69961	.55041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3937.0**	**56677.**	**4476.4**
Stddev	9.8	48.	9.7
%RSD	.24840	.08532	.21644
#1	3930.0	56712.	4483.2
#2	3943.9	56643.	4469.5

Sample Name: 280-19406-D-1-C MSD Acquired: 8/25/2011 15:56:35 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82687 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04788**	**46.870**	**1.0675**	**1.1770**	**2.6677**	**.05296**	**2.3037**	**184.08**	**.10614**	**.50244**
Stddev	.00028	.076	.0003	.0003	.0029	.00004	.0095	.06	.00030	.00087
%RSD	.58216	.16143	.02385	.02225	.11066	.06841	.41031	.03150	.28378	.17386
#1	.04768	46.924	1.0673	1.1768	2.6698	.05294	2.3103	184.12	.10635	.50306
#2	.04808	46.817	1.0676	1.1772	2.6656	.05299	2.2970	184.04	.10593	.50182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25377**	**.31013**	**36.637**	**60.040**	**1.0690**	**93.960**	**1.6217**	**1.0306**	**97.550**	**.53143**
Stddev	.00044	.00063	.082	.110	.0009	.038	.0005	.0007	.209	.00022
%RSD	.17308	.20250	.22460	.18378	.08709	.04091	.02972	.06427	.21397	.04058
#1	.25408	.30968	36.695	60.118	1.0696	93.933	1.6214	1.0311	97.697	.53158
#2	.25346	.31057	36.578	59.962	1.0683	93.987	1.6221	1.0301	97.402	.53128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.024**	**.53003**	**14.617**	**.45141**	**2.0069**	W **66.322**	**1.9176**	**1.7173**	**1.0040**	**1.3449**
Stddev	.008	.00007	.001	.00066	.0022	.152	.0041	.0019	.0013	.0018
%RSD	.07604	.01413	.00817	.14584	.10795	.22878	.21167	.11025	.12907	.13513
#1	10.029	.52998	14.618	.45095	2.0084	66.429	1.9205	1.7187	1.0031	1.3462
#2	10.018	.53008	14.617	.45188	2.0053	66.215	1.9148	1.7160	1.0049	1.3436
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						50.000				
Low Limit						-.10000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8723**	**2.1533**	**.56321**	**.69885**	**.55675**
Stddev	.0019	.0464	.00154	.00027	.00549
%RSD	.10139	2.1559	.27334	.03800	.98527
#1	1.8736	2.1861	.56212	.69904	.56063
#2	1.8710	2.1204	.56430	.69867	.55287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3957.2**	**57398.**	**4529.4**
Stddev	.7	188.	12.3
%RSD	.01685	.32812	.27231
#1	3956.7	57531.	4520.7
#2	3957.7	57264.	4538.1

Sample Name: 280-19406-D-2-A Acquired: 8/25/2011 15:58:52 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82687 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**1.0149**	**.01050**	**.12937**	**.29441**	**.00002**	**-.00016**	**151.63**	**.00014**	**.00601**
Stddev	.00007	.0114	.00121	.00041	.00080	.00004	.00157	.26	.00022	.00004
%RSD	29.406	1.1277	11.511	.31390	.27056	200.61	958.47	.16834	155.39	.61412
#1	.00018	1.0068	.00965	.12966	.29497	-.00001	-.00127	151.81	.00030	.00598
#2	.00028	1.0230	.01135	.12908	.29385	.00005	.00094	151.45	-.00001	.00604
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00253**	**.00293**	**6.6069**	**2.3143**	**.01055**	**30.592**	**.61861**	**.00683**	**65.642**	**.00989**
Stddev	.00025	.00051	.0123	.0149	.00322	.032	.00022	.00145	.249	.00058
%RSD	9.8947	17.561	.18651	.64155	30.525	.10467	.03598	21.163	.37878	5.8627
#1	.00235	.00329	6.6156	2.3038	.00827	30.614	.61877	.00581	65.818	.00948
#2	.00270	.00256	6.5982	2.3248	.01282	30.569	.61846	.00785	65.466	.01030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14413**	**.00120**	**12.365**	**.00008**	**.01137**	**8.3557**	**.00079**	**.59382**	**-.00022**	**.02376**
Stddev	.00124	.00167	.009	.00082	.00357	.0505	.00044	.00079	.00274	.00026
%RSD	.85838	138.71	.06970	1035.3	31.431	.60440	55.526	.13266	1220.1	1.0762
#1	.14325	.00238	12.359	-.00050	.00884	8.3199	.00048	.59438	-.00216	.02358
#2	.14500	.00002	12.371	.00066	.01390	8.3914	.00110	.59326	.00171	.02394
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00239**	**-.01805**	W **-.01463**	**.02709**	**.00287**
Stddev	.00081	.00580	.00014	.00001	.00078
%RSD	33.904	32.100	.95452	.04122	27.218
#1	.00182	-.01396	-.01453	.02710	.00342
#2	.00297	-.02215	-.01473	.02708	.00232
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit			45.000		
Low Limit			-.01000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3932.9**	**57993.**	**4416.0**
Stddev	.1	124.	16.6
%RSD	.00380	.21339	.37573
#1	3933.0	58080.	4404.3
#2	3932.8	57905.	4427.8

Sample Name: CCVH-940568 Acquired: 8/25/2011 16:01:23 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02307**	**50.175**	**-.00358**	**.00349**	**.00065**	**-.00013**	**.99901**	**.04907**	**-.00107**	**.00208**	**-.00001**	**-.00265**	**50.639**
Stddev	.00068	.038	.00023	.00002	.00001	.00014	.00199	.01168	.00000	.00006	.00001	.00033	.215
%RSD	2.9278	.07487	6.4285	.69250	1.7644	107.36	.19921	23.795	.23104	2.8518	36.038	12.381	.42404
#1	-.02354	50.202	-.00342	.00347	.00064	-.00003	.99760	.05732	-.00107	.00204	-.00002	-.00288	50.791
#2	-.02259	50.148	-.00375	.00350	.00066	-.00022	1.0004	.04081	-.00107	.00212	-.00001	-.00242	50.487
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16895**	**.00836**	**-.09545**	**.00075**	**-.00170**	**261.78**	**.00156**	**.00122**	**-.00038**	**5.0297**	**-.01034**	**.01376**	**.06022**
Stddev	.00707	.00119	.00359	.00006	.00018	.36	.00005	.00457	.00158	.0139	.00009	.00001	.00822
%RSD	4.1818	14.208	3.7608	8.3055	10.704	.13808	3.1283	376.49	419.10	.27633	.86646	.07798	13.654
#1	.17394	.00752	-.09291	.00080	-.00183	262.04	.00160	.00445	-.00149	5.0396	-.01028	.01375	.06603
#2	.16395	.00920	-.09799	.00071	-.00157	261.53	.00153	-.00202	.00074	5.0199	-.01041	.01377	.05440
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00152**	**.00057**	**4.9705**	**.00356**	**.00392**	**10.643**	**-.00897**	**.00403**	**.02349**
Stddev	.00005	.00002	.0113	.00011	.00155	.002	.00008	.00060	.00202
%RSD	3.5911	3.5038	.22767	3.0530	39.592	.01657	.89023	14.839	8.5810
#1	.00156	.00055	4.9785	.00364	.00502	10.642	-.00892	.00446	.02206
#2	.00148	.00058	4.9625	.00348	.00283	10.644	-.00903	.00361	.02491
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3945.0**	**57061.**	**4378.2**
Stddev	8.2	107.	1.9
%RSD	.20808	.18814	.04307
#1	3950.8	56985.	4376.8
#2	3939.2	57137.	4379.5

Sample Name: CCV-940591 Acquired: 8/25/2011 16:03:54 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52269**	**.51316**	**1.0216**	**.51499**	**.51383**	**.51185**	**.00675**	**5.0067**	**.51796**	**.49889**	**.50075**	**.52399**	**2.5606**
Stddev	.00008	.00475	.0029	.00095	.00059	.00179	.00175	.0049	.00057	.00087	.00012	.00093	.0027
%RSD	.01464	.92655	.28185	.18491	.11385	.34897	25.992	.09773	.11014	.17405	.02340	.17744	.10684
#1	.52275	.50980	1.0196	.51432	.51342	.51059	.00798	5.0032	.51756	.49827	.50083	.52333	2.5587
#2	.52264	.51652	1.0237	.51566	.51425	.51311	.00551	5.0101	.51837	.49950	.50066	.52465	2.5625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.719**	**1.0344**	**20.769**	**.52309**	**.51374**	**5.3695**	**.50751**	**.98030**	**1.0331**	**.00227**	**1.0156**	**1.0149**	**5.1738**
Stddev	.041	.0001	.011	.00018	.00010	.0147	.00071	.00759	.0003	.00169	.0019	.0052	.0315
%RSD	.08176	.00826	.05439	.03451	.01960	.27358	.13897	.77465	.03227	74.362	.18824	.51466	.60904
#1	50.690	1.0344	20.761	.52321	.51381	5.3591	.50701	.97493	1.0328	.00108	1.0142	1.0186	5.1515
#2	50.749	1.0343	20.777	.52296	.51367	5.3799	.50801	.98567	1.0333	.00346	1.0169	1.0112	5.1961
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0143**	**.52050**	**-.00015**	**.50117**	**1.0102**	**-.01905**	**.52057**	**.52074**	**.52484**
Stddev	.0000	.00051	.00049	.00007	.0009	.03674	.00073	.00005	.00206
%RSD	.00304	.09726	339.47	.01371	.08992	192.89	.13937	.00934	.39216
#1	1.0143	.52014	.00020	.50122	1.0096	.00693	.52109	.52071	.52338
#2	1.0143	.52085	-.00049	.50112	1.0108	-.04502	.52006	.52078	.52630
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3995.1**	**58310.**	**4351.3**
Stddev	.8	116.	12.4
%RSD	.01963	.19830	.28412
#1	3995.7	58228.	4360.0
#2	3994.6	58392.	4342.5

Sample Name: CCB Acquired: 8/25/2011 16:06:15 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00088**	**.00307**	W **.00232**	**.00033**	**.00004**	**.00143**	**.00592**	**.00033**	**-.00014**	**.00007**
Stddev	.00020	.00129	.00098	.00028	.00003	.00001	.00121	.00100	.00007	.00004	.00013
%RSD	87.081	146.90	32.069	11.987	9.2846	23.037	84.274	16.884	21.857	26.181	180.04
#1	.00009	-.00003	.00377	.00251	.00035	.00005	.00228	.00662	.00028	-.00011	-.00002
#2	.00038	.00179	.00237	.00212	.00031	.00003	.00058	.00521	.00038	-.00016	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00044**	**.00066**	**.05018**	W **.00375**	**.00225**	W **.00033**	**.00290**	**-.00276**	**.00060**	**-.00325**	**-.00097**
Stddev	.00057	.00524	.00577	.00319	.00302	.00001	.00071	.02099	.00003	.00144	.00171
%RSD	128.28	790.58	11.498	85.141	134.61	2.4353	24.340	759.48	5.0502	44.245	176.13
#1	-.00004	-.00304	.04610	.00149	.00438	.00033	.00240	.01208	.00058	-.00223	.00024
#2	-.00084	.00437	.05426	.00600	.00011	.00034	.00340	-.01761	.00062	-.00427	-.00218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261		.00025					
Low Limit				-.00261		-.00025					

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00109**	F **.00890**	W **.00519**	**.02513**	**.00101**	**.00022**	**-.00110**	**.00028**	**.00046**	**-.00790**	**.00022**
Stddev	.00107	.00431	.00200	.00247	.00058	.00004	.00171	.00043	.00109	.01124	.00041
%RSD	98.873	48.398	38.537	9.8267	57.080	16.963	155.45	154.16	235.08	142.38	184.84
#1	-.00033	.00586	.00661	.02338	.00060	.00019	.00011	-.00003	.00123	-.01585	-.00007
#2	-.00185	.01195	.00378	.02687	.00141	.00024	-.00230	.00058	-.00031	.00005	.00051
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00152**	W **.00276**
Stddev	.00029	.00168
%RSD	19.099	60.867
#1	.00132	.00395
#2	.00173	.00157
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4038.1**	**59946.**	**4283.9**
Stddev	4.4	80.	8.0
%RSD	.10804	.13331	.18596
#1	4035.0	60003.	4289.5
#2	4041.2	59890.	4278.3

Sample Name: CCVL942742 Acquired: 8/25/2011 16:08:51 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01119**	**.10868**	**.01628**	**.10250**	**.01046**	**.00091**	F **.13009**	**.20996**	**.00548**	**.01056**	**.01032**
Stddev	.00076	.00176	.00272	.00034	.00018	.00012	.00033	.00555	.00020	.00002	.00015
%RSD	6.7682	1.6237	16.698	.33273	1.6941	12.840	.25078	2.6442	3.6858	.21323	1.4123
#1	.01066	.10743	.01436	.10274	.01034	.00083	.12986	.20603	.00562	.01058	.01042
#2	.01173	.10992	.01820	.10225	.01059	.00099	.13032	.21389	.00533	.01055	.01022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01635**	**.10108**	**3.0778**	F **.01698**	**.21673**	**.01089**	**.02038**	**1.0754**	**.04225**	**2.8665**	**.00865**
Stddev	.00013	.00077	.0287	.00026	.00017	.00000	.00028	.0101	.00004	.0083	.00024
%RSD	.79318	.76136	.93279	1.5504	.07942	.03241	1.3557	.94276	.08313	.29027	2.7860
#1	.01626	.10054	3.0981	.01717	.21685	.01089	.02019	1.0682	.04222	2.8724	.00848
#2	.01645	.10163	3.0575	.01679	.21661	.01089	.02058	1.0825	.04227	2.8606	.00882
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**.00901**	**.01437**	**.49625**	**.10232**	**.01083**	W **.01167**	**.00996**	**.01781**	W **.07756**	**.01084**
Stddev	.00531	.00128	.00280	.01253	.00074	.00008	.00047	.00036	.00008	.02406	.00016
%RSD	782.02	14.212	19.480	2.5253	.72203	.74778	3.9870	3.6158	.46826	31.021	1.4800
#1	-.00308	.00811	.01239	.50511	.10285	.01077	.01200	.01021	.01787	.06055	.01073
#2	.00443	.00992	.01635	.48739	.10180	.01089	.01134	.00970	.01775	.09458	.01096
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value							.01500			.06000	
Range							-20.000%			20.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02332**	F **.02116**
Stddev	.00050	.00085
%RSD	2.1439	4.0229
#1	.02368	.02176
#2	.02297	.02056
Check ?	Chk Pass	Chk Fail
Value		.01500
Range		30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4090.2**	**60296.**	**4369.6**
Stddev	4.9	280.	2.7
%RSD	.11887	.46420	.06269
#1	4093.6	60494.	4371.6
#2	4086.7	60098.	4367.7

Sample Name: mb 280-82729/1-a Acquired: 8/25/2011 16:11:24 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	F **.74799**	**-.00124**	F **.02553**	F **.01161**	**.00008**	**.00476**	F **.73262**	**.00052**	**.00075**
Stddev	.00014	.00428	.00057	.00030	.00037	.00011	.00050	.00159	.00007	.00009
%RSD	49.512	.57171	46.370	1.1556	3.1876	151.31	10.480	.21651	12.598	11.412
#1	-.00019	.75101	-.00164	.02574	.01134	.00016	.00511	.73149	.00056	.00081
#2	-.00039	.74497	-.00083	.02532	.01187	-.00001	.00441	.73374	.00047	.00069
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit		.10000		.01000	.01000			.20000		
Low Limit		-.10000		-.01000	-.01000			-.20000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00139**	**.00169**	F **.81168**	**.29106**	**.00399**	F **.41648**	F **.02767**	**.00087**	**.12322**	**.00145**
Stddev	.00007	.00021	.00433	.00022	.00336	.00170	.00007	.00002	.00527	.00009
%RSD	5.0663	12.586	.53360	.07525	84.132	.40837	.26719	2.2849	4.2793	6.3134
#1	.00134	.00184	.80862	.29090	.00162	.41769	.02762	.00086	.11949	.00151
#2	.00144	.00154	.81474	.29121	.00636	.41528	.02773	.00089	.12695	.00138
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000			.10000	.01000			
Low Limit			-.10000			-.10000	-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.05580**	**.00128**	**.02025**	**-.00002**	**.00408**	F **.14427**	**.00920**	**.00371**	**.00075**	F **.01936**
Stddev	.00279	.00163	.00193	.00102	.00241	.00398	.00014	.00006	.00206	.00033
%RSD	4.9923	127.29	9.5287	6572.1	59.021	2.7583	1.5127	1.5063	275.59	1.6876
#1	.05777	.00013	.02162	-.00073	.00238	.14709	.00929	.00375	.00221	.01959
#2	.05383	.00243	.01889	.00070	.00578	.14146	.00910	.00368	-.00071	.01913
Check ?	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit	.01000					.10000				.01000
Low Limit	-.01000					-.10000				-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00284**	**.01732**	**.00074**	W **.00677**	W **.00561**
Stddev	.00122	.01507	.00015	.00017	.00048
%RSD	43.064	87.001	20.146	2.5179	8.5629
#1	.00370	.02797	.00085	.00689	.00595
#2	.00197	.00666	.00064	.00665	.00527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn
High Limit				.00500	.00500
Low Limit				-.00500	-.00500

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4059.1**	**60522.**	**4373.1**
Stddev	.4	9.	7.1
%RSD	.01005	.01507	.16196
#1	4059.4	60515.	4378.1
#2	4058.9	60528.	4368.1

Sample Name: lcs 280-82729/2-a Acquired: 8/25/2011 16:13:57 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04595**	**1.8808**	**.97845**	**1.0065**	**2.0048**	**.04969**	F **2.2216**	**48.029**	**.10165**	**.46934**
Stddev	.00085	.0121	.00319	.0017	.0053	.00019	.0094	.138	.00031	.00032
%RSD	1.8463	.64550	.32609	.16770	.26463	.37342	.42149	.28714	.30967	.06856
#1	.04655	1.8893	.98070	1.0077	2.0086	.04982	2.2282	48.127	.10187	.46957
#2	.04535	1.8722	.97619	1.0053	2.0011	.04956	2.2149	47.932	.10142	.46912
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19274**	**.25020**	**1.0543**	**49.814**	**1.0135**	**48.903**	**.49972**	**1.0031**	**51.741**	**.47536**
Stddev	.00009	.00039	.0010	.042	.0015	.153	.00108	.0016	.425	.00023
%RSD	.04523	.15660	.09042	.08489	.14679	.31279	.21573	.15688	.82093	.04803
#1	.19280	.25047	1.0549	49.844	1.0124	49.011	.50048	1.0042	52.041	.47552
#2	.19267	.24992	1.0536	49.784	1.0145	48.795	.49896	1.0020	51.440	.47520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.5025**	**.48353**	**.00785**	**.48136**	**1.9139**	F **5.6740**	**1.9309**	**1.0178**	**.96326**	**.98458**
Stddev	.0096	.00076	.00167	.00126	.0109	.0012	.0041	.0022	.00438	.00103
%RSD	.10148	.15793	21.257	.26184	.56863	.02082	.21154	.21325	.45514	.10498
#1	9.5093	.48407	.00904	.48225	1.9216	5.6732	1.9338	1.0194	.96016	.98531
#2	9.4957	.48299	.00667	.48047	1.9063	5.6748	1.9280	1.0163	.96636	.98385
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500				
Low Limit						9.4000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8854**	**2.1403**	**.50527**	**.49371**	**.51837**
Stddev	.0066	.0011	.00143	.00316	.00124
%RSD	.34800	.05032	.28323	.64060	.24010
#1	1.8900	2.1395	.50628	.49595	.51925
#2	1.8808	2.1410	.50426	.49148	.51749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3911.4**	**56920.**	**4320.1**
Stddev	3.2	448.	14.4
%RSD	.08244	.78651	.33326
#1	3909.1	56604.	4309.9
#2	3913.6	57237.	4330.3

Sample Name: 280-19386-a-1-d Acquired: 8/25/2011 16:16:16 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .00176	254.75	k .09136	.12636	k 2.9686	k .01289	kF -.02627	107.12	k .01242	k .12616
Stddev	.00013	.34	.00064	.00139	.0036	.00006	.00109	.16	.00007	.00007
%RSD	7.6293	.13153	.70213	1.1033	.12261	.45737	4.1510	.15182	.55773	.05456
#1	k .00186	254.99	k .09181	.12735	k 2.9711	k .01285	k -.02704	107.23	k .01247	k .12621
#2	k .00167	254.51	k .09091	.12537	k 2.9660	k .01293	k -.02550	107.00	k .01238	k .12611
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							100.00			
Low Limit							-.02000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.29336	k .31521	k 275.91	68.534	.25519	99.751	8.8480	.01037	3.9722	.27648
Stddev	.00017	.00042	.02	.007	.00161	.065	.0480	.00113	.0095	.00013
%RSD	.05800	.13271	.00832	.01048	.62941	.06549	.54208	10.933	.23836	.04872
#1	.29324	k .31551	k 275.92	68.539	.25633	99.705	8.8141	.00957	3.9655	.27658
#2	.29348	k .31492	k 275.89	68.529	.25406	99.798	8.8819	.01118	3.9788	.27638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.102	k .23808	2.6564	k -.00832	k .01153	3.4289	k -.00376	.63221	k .35883	k 7.7752
Stddev	.010	.00067	.0017	.00141	.00419	.0379	.00202	.00058	.00157	.0011
%RSD	.07032	.28129	.06489	16.922	36.347	1.1055	53.745	.09208	.43852	.01431
#1	14.095	k .23856	2.6576	k -.00932	k .00857	3.4557	k -.00519	.63262	k .35771	k 7.7760
#2	14.109	k .23761	2.6552	k -.00733	k .01450	3.4020	k -.00233	.63179	k .35994	k 7.7744
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k .00077	kF -.11298	^ *****	1.2313	k .73901
Stddev	.00173	.01231	-----	.0020	.00114
%RSD	225.08	10.897	-----	.16411	.15372
#1	k -.00045	k -.10427	^ -----	1.2299	k .73982
#2	k .00199	k -.12169	^ -----	1.2327	k .73821
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000			
Low Limit		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5070.0	71763.	5959.8
Stddev	2.8	60.	19.3
%RSD	.05447	.08302	.32316
#1	5071.9	71721.	5946.2
#2	5068.0	71806.	5973.4

Sample Name: 280-19386-a-2-d Acquired: 8/25/2011 16:19:37 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**253.99**	**.09259**	**.13117**	**3.1366**	**.01454**	**.00456**	**181.47**	**.01353**	**.11843**
Stddev	.00018	.42	.00103	.00078	.0106	.00006	.00028	.08	.00002	.00015
%RSD	74.365	.16715	1.1170	.59802	.33741	.44228	6.1492	.04507	.12303	.12427
#1	-.00037	253.69	.09186	.13061	3.1291	.01458	.00436	181.41	.01355	.11853
#2	-.00012	254.29	.09332	.13172	3.1441	.01449	.00476	181.53	.01352	.11832
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29268**	**.34861**	**281.25**	**65.066**	**.26451**	**119.22**	**8.6850**	**.00703**	**4.3226**	**.28046**
Stddev	.00027	.00006	1.51	.213	.00204	.13	.0290	.00042	.0247	.00043
%RSD	.09108	.01631	.53862	.32753	.76991	.10521	.33348	5.9661	.57146	.15440
#1	.29249	.34865	280.18	64.915	.26595	119.13	8.6646	.00673	4.3052	.28077
#2	.29287	.34857	282.33	65.217	.26307	119.31	8.7055	.00732	4.3401	.28016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.277**	**.23925**	**2.9979**	W **-.01038**	**.00063**	**2.4874**	**.00109**	**.74656**	**.10700**	**8.0351**
Stddev	.001	.00202	.0048	.00187	.00190	.0337	.00025	.00226	.00320	.0021
%RSD	.00955	.84335	.15944	18.028	303.35	1.3545	22.674	.30276	2.9872	.02614
#1	15.276	.24067	2.9946	-.00906	-.00072	2.5112	.00092	.74496	.10926	8.0366
#2	15.278	.23782	3.0013	-.01171	.00197	2.4636	.00127	.74816	.10474	8.0336
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				2.0000						
Low Limit				-.01000						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00526**	F **-.10360**	**.05765**	**1.2301**	**.69588**
Stddev	.00195	.01561	.00333	.0014	.00276
%RSD	37.090	15.071	5.7688	.11694	.39595
#1	.00664	-.09256	.05530	1.2290	.69394
#2	.00388	-.11464	.06000	1.2311	.69783
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000			
Low Limit		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4984.1**	**70886.**	**5918.1**
Stddev	5.0	67.	17.3
%RSD	.09978	.09500	.29255
#1	4980.6	70839.	5905.8
#2	4987.6	70934.	5930.3

Sample Name: 280-19386-a-3-j Acquired: 8/25/2011 16:22:58 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**250.60**	**.09426**	**.13159**	**2.9249**	**.01414**	**.01359**	**219.36**	**.01341**	**.11139**
Stddev	.00001	.24	.00270	.00015	.0026	.00005	.00133	1.76	.00026	.00029
%RSD	5.8528	.09434	2.8607	.11160	.08855	.32802	9.7526	.80317	1.9590	.26053
#1	.00018	250.76	.09235	.13148	2.9268	.01411	.01266	220.60	.01322	.11119
#2	.00019	250.43	.09617	.13169	2.9231	.01417	.01453	218.11	.01359	.11160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30092**	**.32402**	**265.03**	**63.665**	**.24695**	**113.06**	**8.3246**	**.00956**	**4.6688**	**.28031**
Stddev	.00014	.00054	.59	.012	.00169	.26	.0402	.00032	.0085	.00032
%RSD	.04676	.16658	.22196	.01847	.68453	.22576	.48295	3.3196	.18159	.11451
#1	.30082	.32440	265.45	63.673	.24575	113.24	8.3530	.00979	4.6748	.28054
#2	.30102	.32364	264.62	63.656	.24814	112.88	8.2961	.00934	4.6629	.28009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.436**	**.23516**	**3.0509**	**-.00881**	**.00542**	**2.2440**	**.00540**	**.72747**	**.10924**	**7.5129**
Stddev	.016	.00036	.0110	.00029	.00221	.0189	.00044	.00045	.00104	.0110
%RSD	.11073	.15145	.36182	3.2510	40.713	.84210	8.1934	.06205	.95239	.14623
#1	14.447	.23491	3.0587	-.00861	.00698	2.2574	.00571	.72779	.10851	7.5207
#2	14.424	.23542	3.0431	-.00901	.00386	2.2306	.00508	.72715	.10998	7.5051
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01143**	F **-.10084**	**.06793**	**1.1699**	**.61371**
Stddev	.00010	.01330	.00297	.0047	.00145
%RSD	.85146	13.194	4.3716	.40061	.23587
#1	.01136	-.09143	.07003	1.1732	.61269
#2	.01150	-.11024	.06583	1.1666	.61473
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000			
Low Limit		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4940.9**	**70173.**	**5871.6**
Stddev	1.9	89.	18.0
%RSD	.03894	.12645	.30597
#1	4939.5	70110.	5858.9
#2	4942.2	70236.	5884.3

Sample Name: 280-19386-a-3-jSD@5 Acquired: 8/25/2011 16:26:22 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**62.348**	**.01920**	**.03423**	**.72459**	**.00337**	**.00426**	**57.093**	**.00350**	**.02869**
Stddev	.00022	.132	.00241	.00025	.00175	.00003	.00050	.073	.00016	.00019
%RSD	28.566	.21125	12.571	.73110	.24146	.82721	11.827	.12784	4.6363	.64634
#1	.00094	62.255	.01749	.03405	.72336	.00335	.00462	57.041	.00362	.02882
#2	.00062	62.441	.02090	.03441	.72583	.00338	.00390	57.145	.00339	.02856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07529**	**.07727**	**68.346**	**15.476**	**.06907**	**28.223**	**2.1250**	**.00195**	**1.1338**	**.07198**
Stddev	.00056	.00058	.222	.049	.00180	.016	.0024	.00018	.0040	.00025
%RSD	.74937	.75588	.32543	.31810	2.6125	.05759	.11109	9.0439	.34982	.34596
#1	.07569	.07686	68.189	15.441	.07035	28.212	2.1233	.00207	1.1310	.07216
#2	.07489	.07769	68.504	15.511	.06779	28.235	2.1267	.00182	1.1366	.07181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.5947**	**.06075**	**.73997**	**-.00115**	**.00180**	**.57566**	**-.00019**	**.18150**	**.02613**	**1.8192**
Stddev	.0027	.00049	.00073	.00166	.00535	.02301	.00112	.00003	.00124	.0014
%RSD	.07403	.81416	.09929	144.45	296.77	3.9979	602.52	.01783	4.7494	.07401
#1	3.5966	.06040	.74049	-.00232	.00559	.59194	.00061	.18152	.02701	1.8182
#2	3.5928	.06110	.73945	.00002	-.00198	.55939	-.00098	.18148	.02526	1.8201
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00348**	**-.03611**	**.03626**	**.29517**	**.15396**
Stddev	.00104	.03977	.00008	.00017	.00096
%RSD	29.968	110.12	.22768	.05630	.62059
#1	.00422	-.06424	.03631	.29505	.15329
#2	.00274	-.00799	.03620	.29528	.15464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4243.3**	**61618.**	**4680.1**
Stddev	6.3	154.	10.1
%RSD	.14824	.25063	.21579
#1	4238.9	61727.	4687.2
#2	4247.8	61508.	4672.9

Sample Name: 280-19386-a-3-k ms Acquired: 8/25/2011 16:28:50 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03686**	**302.63**	**.82002**	**.81754**	**4.6150**	**.05152**	**1.6787**	**244.99**	**.09058**	**.45368**
Stddev	.00034	1.14	.00104	.00319	.0189	.00007	.0006	1.18	.00029	.00060
%RSD	.93456	.37825	.12682	.38961	.40893	.13273	.03306	.48202	.31685	.13309
#1	.03711	301.82	.82076	.81529	4.6016	.05147	1.6791	244.15	.09079	.45326
#2	.03662	303.44	.81929	.81979	4.6283	.05156	1.6783	245.82	.09038	.45411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48214**	**.53559**	**281.16**	W **109.91**	**1.0233**	**156.02**	**9.1065**	**.65302**	**44.959**	**.63489**
Stddev	.00041	.00072	1.03	.56	.0070	1.42	.0441	.00143	.203	.00039
%RSD	.08512	.13436	.36635	.51369	.68146	.91097	.48437	.21894	.45238	.06196
#1	.48243	.53508	280.44	109.51	1.0183	157.03	9.1376	.65403	44.815	.63517
#2	.48185	.53610	281.89	110.31	1.0282	155.02	9.0753	.65201	45.103	.63461
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.943**	**.58685**	**3.2179**	**.05451**	**1.3879**	**3.5244**	**1.1960**	**1.5368**	**.83729**	W **10.627**
Stddev	.033	.00095	.0069	.00048	.0025	.0089	.0057	.0047	.00048	.024
%RSD	.14946	.16105	.21460	.87406	.18035	.25307	.47847	.30798	.05678	.22897
#1	21.920	.58618	3.2228	.05485	1.3896	3.5307	1.2000	1.5334	.83696	10.644
#2	21.966	.58752	3.2130	.05418	1.3861	3.5181	1.1919	1.5401	.83763	10.610
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										10.000
Low Limit										-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.2873**	**1.4988**	**.49310**	**1.5930**	**1.1023**
Stddev	.0001	.0076	.00219	.0025	.0014
%RSD	.01029	.50539	.44501	.15692	.12519
#1	1.2873	1.5041	.49465	1.5948	1.1013
#2	1.2874	1.4934	.49155	1.5913	1.1033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4924.1**	**69874.**	**5925.2**
Stddev	3.9	223.	29.5
%RSD	.07900	.31898	.49806
#1	4926.9	69716.	5946.1
#2	4921.4	70031.	5904.4

Sample Name: 280-19386-a-3-l msd Acquired: 8/25/2011 16:32:23 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03707**	**272.12**	**.81433**	**.79735**	**4.3663**	**.05012**	**1.6670**	**241.29**	**.08894**	**.44393**
Stddev	.00012	.22	.00431	.00000	.0025	.00005	.0065	2.36	.00009	.00060
%RSD	.31794	.08014	.52984	.00015	.05775	.10002	.39095	.97912	.10447	.13493
#1	.03699	272.28	.81738	.79735	4.3681	.05015	1.6624	242.96	.08900	.44435
#2	.03715	271.97	.81128	.79735	4.3645	.05008	1.6716	239.62	.08887	.44351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44727**	**.50892**	**260.83**	W **102.61**	**1.0004**	**148.61**	**8.5030**	**.64743**	**43.944**	**.61578**
Stddev	.00013	.00009	.03	.02	.0014	1.66	.0508	.00107	.256	.00023
%RSD	.02814	.01800	.01218	.01536	.13698	1.1199	.59793	.16503	.58192	.03674
#1	.44736	.50898	260.85	102.60	1.0014	149.78	8.5389	.64819	44.124	.61594
#2	.44718	.50886	260.81	102.62	.99944	147.43	8.4670	.64668	43.763	.61562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.746**	**.56713**	**2.9581**	**.06103**	**1.3920**	**4.4856**	**1.2106**	**1.4751**	**.81398**	**9.5221**
Stddev	.014	.00389	.0056	.00103	.0013	.0010	.0008	.0001	.00307	.0069
%RSD	.06892	.68567	.18844	1.6877	.09283	.02328	.06277	.00959	.37660	.07207
#1	20.736	.56438	2.9541	.06176	1.3929	4.4864	1.2101	1.4752	.81615	9.5270
#2	20.756	.56988	2.9620	.06030	1.3911	4.4849	1.2112	1.4750	.81181	9.5173
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.2907**	**1.4809**	**.47353**	**1.5039**	**1.0499**
Stddev	.0026	.0228	.00008	.0009	.0049
%RSD	.20210	1.5399	.01677	.05901	.46706
#1	1.2925	1.4648	.47348	1.5045	1.0534
#2	1.2888	1.4970	.47359	1.5032	1.0464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4799.4**	**68157.**	**5743.7**
Stddev	4.3	307.	21.4
%RSD	.09029	.45091	.37202
#1	4802.5	67940.	5728.6
#2	4796.4	68374.	5758.8

Sample Name: 280-19386-a-3-jPDS Acquired: 8/25/2011 16:35:50 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03440**	**248.12**	**.25131**	**.20411**	**2.9772**	**.05296**	**.00772**	**233.20**	**.05499**	**.14637**
Stddev	.00007	.32	.00294	.00051	.0039	.00003	.00504	.91	.00019	.00023
%RSD	.20824	.12701	1.1691	.25094	.13244	.05917	65.271	.39021	.34209	.15677
#1	.03445	247.90	.24923	.20447	2.9745	.05294	.01129	233.85	.05512	.14621
#2	.03435	248.34	.25339	.20375	2.9800	.05299	.00416	232.56	.05486	.14654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33588**	**.36176**	**262.59**	**79.175**	**.32476**	**126.38**	**8.2143**	**.04789**	**22.570**	**.31292**
Stddev	.00027	.00068	.39	.153	.00078	.10	.0012	.00008	.209	.00068
%RSD	.08111	.18841	.14674	.19325	.24057	.08018	.01459	.15717	.92473	.21649
#1	.33569	.36128	262.32	79.066	.32421	126.45	8.2134	.04784	22.718	.31244
#2	.33607	.36224	262.86	79.283	.32532	126.31	8.2151	.04795	22.422	.31340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.706**	**.30885**	**3.0327**	**.06676**	**.16287**	**5.8798**	**.07669**	**.76113**	**.26531**	**7.4498**
Stddev	.015	.00125	.0135	.00086	.00012	.0374	.00073	.00122	.00019	.0184
%RSD	.09515	.40558	.44370	1.2954	.07288	.63588	.95195	.15986	.07179	.24687
#1	15.695	.30796	3.0232	.06615	.16295	5.8533	.07617	.76027	.26518	7.4368
#2	15.717	.30973	3.0423	.06737	.16278	5.9062	.07720	.76199	.26545	7.4628
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.15177**	**.33609**	**.11747**	**1.3113**	**.64259**
Stddev	.00168	.00571	.00313	.0057	.00178
%RSD	1.1086	1.7003	2.6662	.43739	.27676
#1	.15296	.33205	.11525	1.3072	.64385
#2	.15058	.34013	.11968	1.3154	.64133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4881.8**	**69210.**	**5792.3**
Stddev	6.0	98.	6.0
%RSD	.12264	.14127	.10366
#1	4886.0	69280.	5788.1
#2	4877.6	69141.	5796.6

Sample Name: CCVH-940568 Acquired: 8/25/2011 16:39:15 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02319**	**50.151**	**-.00517**	**.00300**	**.00061**	**-.00009**	**.99050**	**.03261**	**-.00094**	**.00189**	**.00018**	**-.00313**	**50.868**
Stddev	.00012	.050	.00301	.00038	.00012	.00009	.00128	.00097	.00034	.00001	.00012	.00034	.036
%RSD	.53895	.09913	58.362	12.824	19.186	100.27	.12875	2.9706	36.281	.72247	65.356	10.948	.07123
#1	-.02310	50.116	-.00303	.00327	.00053	-.00003	.99140	.03192	-.00118	.00190	.00026	-.00337	50.893
#2	-.02327	50.186	-.00730	.00272	.00069	-.00015	.98960	.03329	-.00070	.00188	.00010	-.00288	50.842
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23090**	**.00617**	**-.09934**	**.00113**	**-.00191**	**262.59**	**.00114**	**.00294**	**.00031**	**5.0368**	**-.00969**	**.01116**	**.03362**
Stddev	.02688	.00336	.00125	.00007	.00030	.34	.00046	.00146	.00026	.0138	.00411	.00071	.01902
%RSD	11.640	54.442	1.2552	6.5691	15.761	.13119	40.763	49.646	82.915	.27290	42.417	6.3205	56.554
#1	.21189	.00379	-.10022	.00118	-.00212	262.35	.00147	.00397	.00050	5.0465	-.00679	.01166	.04707
#2	.24990	.00854	-.09846	.00108	-.00169	262.83	.00081	.00191	.00013	5.0271	-.01260	.01066	.02018
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00130**	**.00043**	**4.9732**	**.00507**	**.00453**	**10.609**	**-.00966**	**.00465**	**.02236**
Stddev	.00132	.00001	.0010	.00014	.00275	.004	.00053	.00028	.00159
%RSD	101.54	1.1692	.01921	2.8090	60.739	.04085	5.4506	6.0598	7.1022
#1	.00223	.00043	4.9739	.00517	.00647	10.606	-.00928	.00445	.02123
#2	.00037	.00044	4.9725	.00497	.00258	10.612	-.01003	.00485	.02348
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3923.7**	**56991.**	**4286.6**
Stddev	.0	44.	14.3
%RSD	.00084	.07690	.33270
#1	3923.7	57021.	4296.7
#2	3923.7	56960.	4276.5

Sample Name: CCV-940591 Acquired: 8/25/2011 16:41:45 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52571**	**.51348**	**1.0218**	**.51510**	**.51714**	**.51269**	**.00667**	**5.0183**	**.51947**	**.50033**	**.50184**	**.52402**	**2.5722**
Stddev	.00035	.00172	.0076	.00105	.00172	.00087	.00089	.0124	.00014	.00009	.00049	.00034	.0033
%RSD	.06731	.33419	.74361	.20340	.33249	.16892	13.377	.24787	.02690	.01823	.09675	.06458	.12656
#1	.52596	.51470	1.0272	.51436	.51593	.51208	.00604	5.0095	.51937	.50027	.50218	.52378	2.5745
#2	.52546	.51227	1.0164	.51584	.51836	.51330	.00730	5.0271	.51956	.50040	.50149	.52426	2.5699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.773**	**1.0306**	**20.785**	**.52381**	**.51545**	**5.3757**	**.50872**	**.97902**	**1.0372**	**.00214**	**1.0158**	**1.0135**	**5.0553**
Stddev	.150	.0079	.031	.00134	.00000	.0186	.00057	.00311	.0021	.00379	.0007	.0024	.0151
%RSD	.29475	.76537	.14711	.25669	.00027	.34504	.11168	.31785	.20132	176.56	.07333	.23588	.29814
#1	50.668	1.0250	20.806	.52476	.51545	5.3626	.50912	.98122	1.0387	.00482	1.0153	1.0152	5.0446
#2	50.879	1.0362	20.763	.52286	.51545	5.3888	.50831	.97682	1.0357	-.00053	1.0164	1.0118	5.0660
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0182**	**.52295**	**-.00062**	**.50358**	**1.0103**	**.00832**	**.52286**	**.52093**	**.52972**
Stddev	.0005	.00151	.00157	.00089	.0028	.04842	.00200	.00198	.00166
%RSD	.04877	.28946	252.66	.17589	.27427	582.20	.38326	.38012	.31306
#1	1.0186	.52188	-.00173	.50421	1.0083	-.02592	.52427	.52233	.53089
#2	1.0179	.52402	.00049	.50296	1.0123	.04255	.52144	.51953	.52854
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4008.8**	**58658.**	**4324.3**
Stddev	11.3	5.	10.8
%RSD	.28162	.00881	.25078
#1	4000.8	58655.	4332.0
#2	4016.7	58662.	4316.7

Sample Name: CCB Acquired: 8/25/2011 16:44:07 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00004**	**.00370**	W **.00198**	**.00009**	**.00004**	**.00167**	**.00343**	**.00021**	**-.00015**	**.00008**
Stddev	.00039	.00135	.00234	.00018	.00027	.00003	.00007	.00213	.00003	.00001	.00018
%RSD	761.14	3326.9	63.259	9.0209	298.14	58.121	4.2114	61.997	15.002	7.0734	241.14
#1	.00033	.00091	.00205	.00211	-.00010	.00003	.00172	.00193	.00023	-.00014	-.00005
#2	-.00022	-.00099	.00536	.00185	.00028	.00006	.00162	.00494	.00019	-.00016	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00070**	**.09096**	W **.00508**	**-.00194**	**-.00010**	**.00285**	**.02296**	**.00017**	**-.00158**	**.00054**
Stddev	.00040	.00301	.01544	.00164	.00258	.00004	.00061	.01186	.00039	.00248	.00123
%RSD	2917.8	431.65	16.972	32.185	133.31	38.208	21.608	51.659	232.92	156.32	229.36
#1	.00027	-.00283	.08004	.00624	-.00011	-.00012	.00241	.01457	-.00011	.00017	.00140
#2	-.00030	.00143	.10187	.00393	-.00376	-.00007	.00328	.03135	.00044	-.00334	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	F **.00860**	W **.00531**	**-.01348**	**-.00002**	**.00022**	**-.00236**	W **.00066**	**.00209**	**-.01061**	**.00028**
Stddev	.00196	.00039	.00117	.00031	.00083	.00001	.00091	.00007	.00163	.00932	.00017
%RSD	352.36	4.5867	22.095	2.3069	4435.7	4.3866	38.579	10.756	77.952	87.873	62.263
#1	.00194	.00833	.00448	-.01326	-.00061	.00023	-.00171	.00071	.00325	-.01720	.00040
#2	-.00083	.00888	.00614	-.01370	.00057	.00022	-.00300	.00061	.00094	-.00402	.00016
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486					.00060			
Low Limit		-.00628	-.00486					-.00060			

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00160**	W **.00347**
Stddev	.00027	.00042
%RSD	16.690	12.251
#1	.00141	.00317
#2	.00178	.00377
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4039.9**	**59888.**	**4295.7**
Stddev	1.5	76.	6.8
%RSD	.03607	.12648	.15799
#1	4038.8	59942.	4290.9
#2	4040.9	59835.	4300.4

Sample Name: CCVL942742 Acquired: 8/25/2011 16:46:42 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01011**	**.10350**	**.01332**	**.10355**	**.01086**	**.00101**	F **.13191**	**.21421**	**.00559**	**.01031**	**.01033**
Stddev	.00009	.00015	.00124	.00025	.00045	.00012	.00155	.00165	.00008	.00029	.00012
%RSD	.88860	.14021	9.3058	.23963	4.1582	12.136	1.1727	.76976	1.5011	2.8425	1.1918
#1	.01017	.10340	.01245	.10373	.01054	.00110	.13081	.21304	.00565	.01010	.01041
#2	.01005	.10360	.01420	.10338	.01118	.00093	.13300	.21537	.00553	.01052	.01024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01624**	**.10754**	**3.1604**	F **.01638**	**.22101**	**.01107**	**.02035**	**1.1069**	**.04235**	**2.8388**	**.00787**
Stddev	.00026	.00161	.0136	.00390	.00187	.00004	.00024	.0126	.00053	.0043	.00024
%RSD	1.5815	1.4942	.43022	23.795	.84778	.38104	1.1830	1.1409	1.2619	.15117	3.0870
#1	.01642	.10641	3.1508	.01363	.22234	.01110	.02052	1.0980	.04197	2.8418	.00804
#2	.01605	.10868	3.1701	.01914	.21969	.01104	.02018	1.1158	.04273	2.8357	.00770
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00496**	**.01017**	**.01374**	**.48308**	**.10178**	**.01081**	W **.01160**	**.01061**	W **.01818**	F **.10551**	**.01048**
Stddev	.00645	.00151	.00326	.01422	.00079	.00001	.00066	.00037	.00021	.00858	.00008
%RSD	130.13	14.819	23.702	2.9435	.77974	.13125	5.6950	3.5168	1.1732	8.1290	.74781
#1	.00951	.00910	.01144	.49313	.10121	.01080	.01113	.01034	.01833	.09944	.01054
#2	.00040	.01123	.01604	.47302	.10234	.01082	.01206	.01087	.01803	.11157	.01043
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Fail	Chk Pass
Value							.01500		.01500	.06000	
Range							-20.000%		20.000%	30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02360**	W **.01832**
Stddev	.00035	.00047
%RSD	1.4932	2.5839
#1	.02335	.01865
#2	.02385	.01798
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4133.4**	**60452.**	**4337.8**
Stddev	.1	17.	2.0
%RSD	.00194	.02788	.04634
#1	4133.4	60464.	4339.2
#2	4133.3	60440.	4336.3

Sample Name: 280-19386-a-4-d Acquired: 8/25/2011 16:49:15 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00242**	**229.93**	k **.08526**	**.09706**	k **3.0558**	k **.01292**	kF **-.02825**	**132.18**	k **.01269**	k **.12254**
Stddev	.00019	.16	.00198	.00099	.0014	.00002	.00093	.07	.00009	.00013
%RSD	7.8563	.06778	2.3281	1.0202	.04575	.17448	3.2988	.05468	.69204	.10874
#1	k .00229	229.82	k .08385	.09776	k 3.0568	k .01290	k -.02891	132.23	k .01263	k .12264
#2	k .00256	230.04	k .08666	.09636	k 3.0548	k .01293	k -.02759	132.13	k .01276	k .12245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							100.00			
Low Limit							-.02000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.27580**	k **.33261**	k **261.17**	**63.846**	**.22665**	**98.402**	**9.0174**	**.00617**	**2.8667**	**.27741**
Stddev	.00083	.00064	.45	.071	.00272	.147	.0248	.00015	.0117	.00044
%RSD	.30147	.19333	.17292	.11116	1.2023	.14965	.27479	2.4568	.40785	.15764
#1	k .27639	k .33216	k 261.49	63.796	.22858	98.298	8.9999	.00607	2.8584	.27772
#2	k .27521	k .33307	k 260.85	63.896	.22472	98.506	9.0349	.00628	2.8750	.27710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.113**	k **.24870**	**3.0066**	k **-.00430**	k **-.00194**	**2.1047**	k **-.00049**	**.61480**	k **.33923**	k **5.2474**
Stddev	.035	.00328	.0011	.00035	.00048	.0180	.00050	.00009	.00124	.0064
%RSD	.22954	1.3196	.03648	8.1341	24.573	.85722	102.49	.01527	.36411	.12208
#1	15.138	k .24638	3.0074	k -.00406	k -.00228	2.1175	k -.00084	.61487	k .34010	k 5.2429
#2	15.089	k .25102	3.0059	k -.00455	k -.00161	2.0920	k -.00013	.61473	k .33836	k 5.2519
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00215**	kF **-.14640**	^ *****	k **1.2156**	k **.63126**
Stddev	.00058	.00138	-----	.0012	.00207
%RSD	27.000	.94322	-----	.09848	.32848
#1	k -.00256	k -.14542	^ -----	k 1.2148	k .62979
#2	k -.00174	k -.14737	^ -----	k 1.2164	k .63272
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000			
Low Limit		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5071.3**	**72043.**	**6001.5**
Stddev	.1	107.	6.5
%RSD	.00194	.14824	.10885
#1	5071.2	72119.	5996.9
#2	5071.3	71968.	6006.1

Sample Name: 280-19386-a-5-d Acquired: 8/25/2011 16:52:30 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**228.80**	**.07647**	**.09479**	**2.6145**	**.01310**	**.00076**	**92.620**	**.00980**	**.10100**
Stddev	.00022	.60	.00081	.00004	.0067	.00003	.00249	.225	.00024	.00066
%RSD	39.041	.26216	1.0612	.03985	.25546	.20016	329.51	.24245	2.4709	.64928
#1	-.00042	229.23	.07704	.09476	2.6192	.01311	.00251	92.779	.00997	.10146
#2	-.00073	228.38	.07589	.09481	2.6098	.01308	-.00100	92.461	.00963	.10053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26497**	**.30903**	**247.69**	**55.524**	**.21910**	**85.979**	**7.8370**	**.00567**	**2.4228**	**.25438**
Stddev	.00070	.00023	.04	.111	.00041	.210	.0335	.00015	.0054	.00002
%RSD	.26246	.07569	.01505	.19905	.18502	.24388	.42802	2.6402	.22343	.00722
#1	.26546	.30920	247.72	55.602	.21881	85.831	7.8607	.00556	2.4266	.25436
#2	.26448	.30887	247.67	55.446	.21939	86.127	7.8133	.00577	2.4190	.25439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.258**	**.20724**	**2.5300**	**-.00861**	**-.00244**	**3.1207**	**.00085**	**.49411**	**.09539**	**6.3663**
Stddev	.025	.00025	.0063	.00029	.00134	.0294	.00021	.00147	.00005	.0106
%RSD	.18981	.12173	.24814	3.3764	54.782	.94199	24.783	.29840	.04774	.16604
#1	13.276	.20742	2.5255	-.00841	-.00149	3.0999	.00100	.49515	.09536	6.3588
#2	13.241	.20707	2.5344	-.00882	-.00338	3.1415	.00070	.49306	.09542	6.3738
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00362**	W **-.07840**	**.03441**	**1.1290**	**.57856**
Stddev	.00047	.00511	.00113	.0049	.00084
%RSD	12.916	6.5180	3.2778	.43523	.14449
#1	.00395	-.08201	.03521	1.1255	.57915
#2	.00329	-.07479	.03362	1.1325	.57797
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4926.0**	**69670.**	**5720.6**
Stddev	3.3	75.	23.7
%RSD	.06649	.10725	.41502
#1	4923.7	69723.	5703.8
#2	4928.3	69617.	5737.4

Sample Name: 280-19386-a-6-d Acquired: 8/25/2011 16:55:45 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00131**	**261.85**	k **.08983**	**.10321**	k **2.8555**	k **.01453**	kW **-.01524**	**85.278**	k **.01099**	k **.12104**
Stddev	.00140	.45	.00302	.00033	.0012	.00112	.01894	.184	.00062	.00732
%RSD	107.05	.17374	3.3647	.31977	.04074	7.6865	124.25	.21635	5.6030	6.0468
#1	.00032	262.17	.08769	.10297	2.8547	.01532	-.00185	85.408	.01055	.11587
#2	k .00230	261.52	k .09196	.10344	k 2.8563	k .01374	k -.02863	85.147	k .01142	k .12622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							3.0000			
Low Limit							-.01000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30593**	k **.34427**	k **277.66**	**66.559**	**.24753**	**93.926**	**8.9003**	**.00527**	**2.6287**	**.29821**
Stddev	.00081	.00279	.36	.011	.00506	.017	.0769	.00028	.0079	.00015
%RSD	.26504	.80999	.13067	.01620	2.0460	.01801	.86356	5.3954	.30192	.05069
#1	.30651	.34624	277.92	66.566	.24394	93.938	8.9546	.00507	2.6231	.29832
#2	.30536	k .34230	k 277.40	66.551	.25111	93.914	8.8460	.00547	2.6344	.29811
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.984**	k **.25431**	**2.4070**	k **-.00940**	k **-.00135**	**3.3550**	k **-.00003**	**.51785**	k **.24078**	k **6.2094**
Stddev	.014	.00176	.0014	.00163	.00029	.0069	.00448	.00012	.17363	.0001
%RSD	.09671	.69353	.05591	17.329	21.200	.20516	12852.	.02283	72.115	.00138
#1	13.994	.25306	2.4080	-.01056	-.00156	3.3501	.00313	.51776	.11800	6.2095
#2	13.975	k .25555	2.4061	k -.00825	k -.00115	3.3599	k -.00320	.51793	k .36355	k 6.2093
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **.00159**	kF **-.14256**	^ *****	**1.2849**	k **.66405**
Stddev	.00402	.03200	-----	.0003	.00269
%RSD	252.32	22.445	-----	.02130	.40521
#1	.00444	-.11994	.03484	1.2847	.66596
#2	k -.00125	k -.16519	^ -----	1.2850	k .66215
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000			
Low Limit		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5144.1**	**72463.**	**6004.6**
Stddev	5.5	40.	22.6
%RSD	.10770	.05563	.37667
#1	5140.1	72435.	5988.6
#2	5148.0	72492.	6020.6

Sample Name: 280-19386-a-7-d Acquired: 8/25/2011 16:59:06 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00133**	**219.44**	k **.08465**	**.08922**	k **2.8670**	k **.01250**	kF **-.02618**	**109.09**	k **.01217**	k **.11762**
Stddev	.00079	.28	.00088	.00002	.0013	.00003	.00271	.22	.00015	.00043
%RSD	59.590	.12712	1.0385	.02570	.04668	.22907	10.368	.20181	1.2561	.36441
#1	k .00189	219.63	k .08527	.08924	k 2.8680	k .01252	k -.02810	109.25	k .01206	k .11731
#2	k .00077	219.24	k .08403	.08920	k 2.8661	k .01248	k -.02426	108.93	k .01228	k .11792
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							100.00			
Low Limit							-.02000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.26307**	k **.30700**	k **250.42**	**62.253**	**.22022**	**93.301**	**8.9276**	**.00395**	**3.2737**	**.26822**
Stddev	.00121	.00022	.17	.044	.00227	.090	.0179	.00045	.0243	.00001
%RSD	.46074	.07209	.06662	.07103	1.0317	.09603	.20010	11.399	.74347	.00325
#1	k .26221	k .30685	k 250.54	62.284	.21861	93.364	8.9150	.00427	3.2565	.26821
#2	k .26393	k .30716	k 250.31	62.222	.22182	93.238	8.9402	.00363	3.2910	.26823
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.902**	k **.24303**	**2.6763**	k **-.00550**	k **-.00169**	**2.0542**	k **-.00051**	**.59103**	k **.32598**	k **4.4505**
Stddev	.020	.00200	.0084	.00011	.00414	.0109	.00084	.00054	.00131	.0065
%RSD	.14687	.82344	.31533	1.9551	245.19	.52943	164.86	.09089	.40127	.14663
#1	13.888	k .24445	2.6704	k -.00558	k .00124	2.0619	k .00008	.59141	k .32691	k 4.4551
#2	13.917	k .24162	2.6823	k -.00543	k -.00462	2.0465	k -.00110	.59065	k .32506	k 4.4459
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00118**	kF **-.15866**	^ *****	k **1.1771**	k **.62877**
Stddev	.00081	.01821	-----	.0011	.00174
%RSD	68.712	11.477	-----	.09301	.27688
#1	k -.00060	k -.14578	^ -----	k 1.1779	k .63000
#2	k -.00175	k -.17153	^ -----	k 1.1763	k .62754
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000			
Low Limit		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5092.8**	**71939.**	**5910.2**
Stddev	5.4	30.	2.1
%RSD	.10552	.04136	.03606
#1	5096.6	71918.	5908.7
#2	5089.0	71960.	5911.7

Sample Name: 280-19386-a-8-d Acquired: 8/25/2011 17:02:21 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00142**	**215.20**	k **.07558**	**.10049**	k **2.6304**	k **.01157**	kF **-.02562**	**90.067**	k **.01088**	k **.11025**
Stddev	.00037	.35	.00050	.00102	.0021	.00001	.00223	.081	.00019	.00020
%RSD	25.964	.16492	.65866	1.0123	.07957	.06767	8.7117	.08950	1.7063	.17804
#1	k .00168	214.95	k .07593	.10121	k 2.6289	k .01158	k -.02404	90.010	k .01074	k .11039
#2	k .00116	215.45	k .07523	.09977	k 2.6319	k .01157	k -.02720	90.124	k .01101	k .11011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							100.00			
Low Limit							-.02000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25217**	k **.28346**	k **241.29**	**58.886**	**.21439**	**87.568**	**8.0748**	**.00463**	**3.6735**	**.24622**
Stddev	.00066	.00061	.30	.084	.00045	.151	.0073	.00019	.0029	.00011
%RSD	.26279	.21574	.12311	.14193	.20840	.17248	.09052	4.0927	.07955	.04531
#1	.25264	k .28302	k 241.08	58.827	.21407	87.461	8.0696	.00450	3.6714	.24630
#2	.25171	k .28389	k 241.50	58.946	.21471	87.675	8.0800	.00477	3.6755	.24615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.656**	k **.22418**	**2.4864**	k **-.00920**	k **-.00275**	**3.0594**	k **-.00354**	**.55358**	k **.31275**	k **5.6092**
Stddev	.031	.00024	.0002	.00032	.00129	.0192	.00024	.00019	.00156	.0010
%RSD	.24143	.10699	.00885	3.4577	47.072	.62800	6.6940	.03366	.49965	.01819
#1	12.678	k .22435	2.4862	k -.00897	k -.00183	3.0729	k -.00337	.55345	k .31165	k 5.6099
#2	12.635	k .22401	2.4865	k -.00942	k -.00366	3.0458	k -.00371	.55372	k .31386	k 5.6085
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00053**	kW **-.07999**	^ *****	**1.1106**	k **.65459**
Stddev	.00061	.01442	-----	.0017	.00039
%RSD	113.42	18.026	-----	.14918	.05962
#1	k -.00011	k -.06979	^ -----	1.1095	k .65431
#2	k -.00096	k -.09019	^ -----	1.1118	k .65486
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4977.8**	**70177.**	**5757.9**
Stddev	2.7	36.	3.3
%RSD	.05481	.05075	.05795
#1	4975.8	70203.	5755.5
#2	4979.7	70152.	5760.3

Sample Name: 280-19386-a-9-d Acquired: 8/25/2011 17:05:37 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00055**	**224.98**	**.09812**	**.09680**	**2.9189**	**.01388**	**-.00435**	**170.52**	**.00918**	**.10801**
Stddev	.00010	.75	.00182	.00001	.0080	.00004	.00069	.56	.00007	.00027
%RSD	19.094	.33533	1.8573	.00971	.27343	.31537	15.881	.32886	.73734	.25444
#1	-.00047	224.45	.09941	.09679	2.9133	.01385	-.00387	170.12	.00913	.10820
#2	-.00062	225.51	.09684	.09680	2.9245	.01391	-.00484	170.92	.00922	.10781
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27845**	**.32887**	**259.58**	**56.452**	**.22520**	**109.50**	**7.9674**	**.00647**	**2.6357**	**.28782**
Stddev	.00045	.00137	.67	.187	.00355	.16	.0435	.00007	.0028	.00098
%RSD	.16149	.41508	.25957	.33085	1.5760	.14930	.54533	1.0429	.10506	.34078
#1	.27877	.32790	259.10	56.319	.22269	109.38	7.9981	.00652	2.6377	.28851
#2	.27814	.32983	260.05	56.584	.22771	109.61	7.9366	.00643	2.6338	.28713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.189**	**.23136**	**2.9024**	W **-.01048**	**-.00034**	**1.8513**	**.00518**	**.60827**	**.10363**	**5.5361**
Stddev	.050	.00137	.0122	.00214	.00383	.0239	.00072	.00130	.00026	.0034
%RSD	.35290	.59287	.42152	20.427	1125.6	1.2915	13.926	.21428	.24869	.06116
#1	14.225	.23233	2.8938	-.01200	.00237	1.8682	.00467	.60735	.10381	5.5337
#2	14.154	.23039	2.9111	-.00897	-.00305	1.8344	.00569	.60919	.10345	5.5385
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				2.0000						
Low Limit				-.01000						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00202**	F **-.10348**	**.04925**	**1.1234**	**.51796**
Stddev	.00056	.02079	.00150	.0014	.00159
%RSD	27.428	20.087	3.0453	.11997	.30707
#1	.00163	-.08878	.04819	1.1225	.51684
#2	.00242	-.11818	.05031	1.1244	.51909
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000			
Low Limit		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5054.0**	**71168.**	**5859.8**
Stddev	21.2	53.	10.8
%RSD	.41881	.07473	.18485
#1	5039.0	71131.	5867.5
#2	5068.9	71206.	5852.2

Sample Name: CCVH-940568 Acquired: 8/25/2011 17:08:53 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02480**	**49.894**	**-.00246**	**.00147**	**.00051**	**-.00022**	**.99067**	**.04608**	**-.00112**	**.00194**	**.00008**	**-.00376**	**50.185**
Stddev	.00020	.092	.00048	.00039	.00007	.00001	.00217	.00175	.00031	.00027	.00019	.00017	.048
%RSD	.82230	.18353	19.359	26.350	13.382	4.0301	.21913	3.8048	27.316	13.955	236.18	4.5573	.09655
#1	-.02466	49.829	-.00280	.00174	.00056	-.00022	.98914	.04484	-.00090	.00175	.00022	-.00364	50.151
#2	-.02495	49.958	-.00212	.00120	.00046	-.00023	.99221	.04732	-.00133	.00213	-.00005	-.00388	50.219
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25651**	**.00902**	**-.09533**	**.00443**	**-.00242**	**262.51**	**.00129**	**.00299**	**-.00092**	**5.0508**	**-.00927**	**.01206**	**.03941**
Stddev	.03002	.00142	.00178	.00002	.00005	.41	.00024	.00176	.00023	.0033	.00029	.00586	.00029
%RSD	11.701	15.724	1.8706	.34593	2.1552	.15690	18.730	58.787	24.800	.06582	3.0867	48.612	.73181
#1	.27774	.00801	-.09659	.00442	-.00238	262.80	.00112	.00423	-.00108	5.0484	-.00947	.01621	.03961
#2	.23529	.01002	-.09407	.00444	-.00246	262.22	.00146	.00175	-.00076	5.0531	-.00906	.00791	.03920
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00100**	**.00047**	**4.9565**	**.00510**	**.00383**	**10.663**	**-.01004**	**.00884**	**.02043**
Stddev	.00054	.00026	.0034	.00009	.00059	.043	.00022	.00009	.00247
%RSD	54.296	54.480	.06791	1.7313	15.344	.40655	2.1642	1.0278	12.098
#1	.00061	.00066	4.9588	.00504	.00424	10.694	-.01019	.00891	.01869
#2	.00138	.00029	4.9541	.00517	.00341	10.633	-.00988	.00878	.02218
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3960.0**	**57240.**	**4326.1**
Stddev	6.7	82.	6.1
%RSD	.16895	.14324	.14188
#1	3964.7	57298.	4330.4
#2	3955.2	57182.	4321.7

Sample Name: CCV-940591 Acquired: 8/25/2011 17:11:23 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52844**	**.51352**	**1.0301**	**.51515**	**.51633**	**.51159**	**.00322**	**5.0144**	**.52115**	**.50297**	**.50408**	**.52755**	**2.5536**
Stddev	.00077	.00090	.0015	.00238	.00002	.00115	.00147	.0015	.00064	.00021	.00041	.00016	.0060
%RSD	.14646	.17497	.14714	.46265	.00469	.22421	45.801	.03049	.12261	.04088	.08153	.03104	.23589
#1	.52898	.51289	1.0311	.51347	.51632	.51240	.00217	5.0134	.52070	.50282	.50379	.52767	2.5579
#2	.52789	.51416	1.0290	.51684	.51635	.51077	.00426	5.0155	.52161	.50312	.50437	.52743	2.5494
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.786**	**1.0299**	**20.904**	**.52408**	**.51502**	**5.3557**	**.50957**	**.98207**	**1.0399**	**-.00104**	**1.0179**	**1.0209**	**5.0318**
Stddev	.105	.0006	.005	.00071	.00109	.0099	.00003	.00130	.0017	.00270	.0029	.0001	.0123
%RSD	.20697	.05813	.02435	.13456	.21235	.18436	.00634	.13209	.16743	259.27	.28116	.01329	.24381
#1	50.861	1.0295	20.908	.52458	.51579	5.3627	.50955	.98116	1.0387	-.00295	1.0199	1.0208	5.0231
#2	50.712	1.0304	20.901	.52358	.51424	5.3487	.50960	.98299	1.0412	.00087	1.0159	1.0210	5.0404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0179**	**.52389**	**-.00079**	**.50427**	**1.0215**	**.01009**	**.52459**	**.52248**	**.52522**
Stddev	.0013	.00064	.00103	.00046	.0008	.02090	.00251	.00154	.00238
%RSD	.12351	.12223	129.49	.09090	.08174	207.04	.47787	.29435	.45282
#1	1.0188	.52434	-.00152	.50395	1.0210	.02487	.52637	.52357	.52691
#2	1.0170	.52344	-.00007	.50460	1.0221	-.00468	.52282	.52140	.52354
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4014.8**	**58544.**	**4343.2**
Stddev	8.6	46.	22.2
%RSD	.21368	.07788	.51156
#1	4008.7	58512.	4327.5
#2	4020.9	58576.	4358.9

Sample Name: CCB Acquired: 8/25/2011 17:13:44 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00058**	**.00058**	**.00128**	**-.00018**	**.00002**	**.00244**	**.00399**	**.00033**	**.00009**	**.00007**
Stddev	.00013	.00031	.00119	.00043	.00022	.00010	.00223	.00145	.00001	.00015	.00025
%RSD	84.989	53.460	204.47	33.547	118.83	657.36	91.562	36.292	3.2112	168.83	364.23
#1	-.00006	.00036	-.00026	.00098	-.00003	-.00006	.00401	.00297	.00034	.00019	-.00011
#2	-.00024	.00080	.00142	.00159	-.00034	.00009	.00086	.00502	.00032	-.00002	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00033**	**.03837**	F **.00769**	**-.00033**	**.00009**	**.00246**	**.01991**	**.00041**	**-.00031**	**-.00109**
Stddev	.00001	.00022	.02830	.00336	.00073	.00003	.00051	.01095	.00023	.00223	.00025
%RSD	6.5923	66.688	73.745	43.727	221.56	30.581	20.888	54.990	56.460	727.48	23.261
#1	.00016	-.00048	.05838	.01006	.00019	.00007	.00210	.02765	.00057	-.00188	-.00091
#2	.00017	-.00017	.01836	.00531	-.00084	.00011	.00283	.01217	.00025	.00127	-.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00522							
Low Limit				-.00522							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00178**	F **.00808**	W **.00661**	**.01313**	**.00094**	**.00020**	**-.00219**	**.00044**	**.00033**	**-.01429**	**-.00006**
Stddev	.00055	.00167	.00101	.00218	.00093	.00012	.00076	.00002	.00085	.00171	.00071
%RSD	30.997	20.619	15.220	16.626	99.764	59.032	34.797	4.8763	261.44	11.947	1161.7
#1	.00217	.00691	.00589	.01158	.00028	.00011	-.00272	.00043	-.00028	-.01549	-.00056
#2	.00139	.00926	.00732	.01467	.00160	.00028	-.00165	.00046	.00093	-.01308	.00044
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00141**	F **.00554**
Stddev	.00048	.00124
%RSD	34.058	22.357
#1	.00107	.00466
#2	.00175	.00642
Check ?	Chk Pass	Chk Fail
High Limit		.00476
Low Limit		-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4065.1**	**60083.**	**4325.6**
Stddev	6.5	34.	10.7
%RSD	.16093	.05732	.24739
#1	4069.7	60107.	4318.0
#2	4060.4	60058.	4333.2

Sample Name: CCVL942742 Acquired: 8/25/2011 17:16:20 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01111**	**.10602**	**.01248**	**.10327**	**.01044**	**.00101**	F **.13593**	**.21785**	**.00550**	**.01064**	**.01028**
Stddev	.00015	.00118	.00122	.00073	.00074	.00001	.00042	.00259	.00005	.00033	.00015
%RSD	1.3265	1.1123	9.7814	.70889	7.0923	.51282	.31004	1.1882	.82592	3.0980	1.4712
#1	.01100	.10685	.01334	.10379	.01096	.00101	.13623	.21602	.00547	.01041	.01017
#2	.01121	.10518	.01161	.10275	.00992	.00101	.13563	.21968	.00553	.01087	.01039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01700**	**.10408**	**3.1224**	F **.01700**	**.22327**	**.01109**	**.02017**	**1.1104**	**.04268**	**2.8668**	**.00886**
Stddev	.00010	.00085	.0707	.00051	.00038	.00000	.00010	.0064	.00036	.0048	.00036
%RSD	.56934	.81415	2.2638	2.9794	.16908	.03935	.48445	.57235	.85057	.16596	4.0418
#1	.01707	.10467	3.1723	.01664	.22353	.01108	.02024	1.1149	.04294	2.8702	.00911
#2	.01693	.10348	3.0724	.01736	.22300	.01109	.02010	1.1059	.04243	2.8634	.00860
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00450**	**.00995**	**.01435**	**.47430**	**.10257**	**.01078**	**.01306**	**.01033**	**.01758**	F **.09690**	**.01030**
Stddev	.00588	.00009	.00160	.02555	.00108	.00009	.00054	.00014	.00100	.01018	.00007
%RSD	130.80	.93476	11.168	5.3877	1.0523	.85183	4.1031	1.3248	5.6729	10.508	.65395
#1	.00866	.00988	.01322	.49237	.10333	.01084	.01268	.01043	.01828	.10411	.01035
#2	.00034	.01001	.01548	.45623	.10181	.01071	.01344	.01024	.01687	.08970	.01025
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value										.06000	
Range										30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	W **.02423**	F **.02248**
Stddev	.00002	.00231
%RSD	.08577	10.293
#1	.02424	.02412
#2	.02421	.02085
Check ?	Chk Warn	Chk Fail
Value	.02000	.01500
Range	20.000%	30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4122.7**	**60604.**	**4399.5**
Stddev	2.8	2.	15.8
%RSD	.06687	.00374	.35822
#1	4120.8	60602.	4388.4
#2	4124.7	60606.	4410.7

Sample Name: mb 280-82546/1-a Acquired: 8/25/2011 17:18:52 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82546 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00019	.00087	-.00100	.00060	-.00020	-.00001	.00025	.00806	.00011	-.00016
Stddev	.00005	.00002	.00074	.00004	.00025	.00011	.00112	.00163	.00017	.00004
%RSD	24.137	1.9157	74.047	6.9291	126.71	943.23	444.95	20.179	149.95	27.884
#1	.00023	.00088	-.00047	.00063	-.00038	-.00009	-.00054	.00921	.00023	-.00013
#2	.00016	.00085	-.00152	.00057	-.00002	.00006	.00104	.00691	-.00001	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00005	.00015	-.00046	-.04089	W .00772	-.00079	.00021	-.00001	-.01041	.00009
Stddev	.00021	.00005	.00154	.00644	.00510	.00002	.00003	.00001	.01349	.00010
%RSD	402.85	31.543	336.03	15.744	66.149	3.1204	12.243	60.935	129.57	112.78
#1	-.00020	.00018	.00063	-.03633	.00411	-.00080	.00019	-.00002	-.00087	.00002
#2	.00010	.00012	-.00154	-.04544	.01132	-.00077	.00023	-.00001	-.01994	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00500					
Low Limit					-.00500					

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00115	-.00089	.00217	-.00092	-.00112	.00842	.00002	.00029	-.00154	.00027
Stddev	.00542	.00072	.00202	.00074	.00325	.01903	.00085	.00005	.00114	.00008
%RSD	472.50	80.677	93.192	80.822	290.24	226.14	5306.2	17.161	74.052	30.917
#1	-.00498	-.00140	.00074	-.00039	.00118	-.00504	.00062	.00026	-.00234	.00032
#2	.00268	-.00038	.00360	-.00145	-.00341	.02188	-.00059	.00033	-.00073	.00021
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00057	.00708	-.00007	.00129	.00454
Stddev	.00174	.00521	.00029	.00002	.00051
%RSD	305.60	73.600	436.65	1.2860	11.306
#1	.00180	.00339	.00014	.00130	.00490
#2	-.00066	.01076	-.00027	.00127	.00418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4130.5	60935.	4388.4
Stddev	9.0	283.	4.9
%RSD	.21716	.46510	.11065
#1	4136.8	60735.	4391.9
#2	4124.2	61136.	4385.0

Sample Name: lcs 280-82546/2-a Acquired: 8/25/2011 17:21:28 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82546 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04867**	**1.8841**	**1.0407**	**1.0012**	**2.0648**	**.05139**	F **2.3281**	**49.426**	**.10632**	**.48615**
Stddev	.00033	.0195	.0039	.0000	.0026	.00012	.0005	.006	.00007	.00008
%RSD	.68773	1.0334	.37414	.00222	.12649	.22501	.02147	.01289	.06278	.01550
#1	.04843	1.8978	1.0434	1.0012	2.0629	.05131	2.3285	49.431	.10637	.48609
#2	.04890	1.8703	1.0379	1.0012	2.0666	.05147	2.3277	49.422	.10627	.48620
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19855**	**.26147**	**1.0159**	**51.174**	**1.0268**	**51.497**	**.51868**	**1.0421**	**53.557**	**.49237**
Stddev	.00003	.00029	.0082	.008	.0057	.062	.00074	.0028	.325	.00064
%RSD	.01391	.11271	.80918	.01614	.55378	.12022	.14197	.26463	.60736	.12962
#1	.19857	.26168	1.0101	51.180	1.0308	51.453	.51816	1.0441	53.327	.49283
#2	.19853	.26126	1.0217	51.168	1.0228	51.540	.51920	1.0402	53.787	.49192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8671**	**.50725**	**-.01001**	**.51526**	**2.0395**	**9.9471**	**2.0251**	**1.0512**	**.99828**	**1.0261**
Stddev	.0055	.00037	.00681	.00124	.0073	.0024	.0059	.0000	.00145	.0018
%RSD	.05587	.07230	68.096	.24010	.35752	.02365	.29243	.00112	.14528	.17296
#1	9.8709	.50699	-.01482	.51614	2.0343	9.9454	2.0292	1.0512	.99725	1.0248
#2	9.8632	.50751	-.00519	.51439	2.0446	9.9487	2.0209	1.0512	.99931	1.0274
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9701**	**2.1952**	**.52696**	**.51691**	**.54258**
Stddev	.0004	.0362	.00107	.00166	.00267
%RSD	.01909	1.6477	.20269	.32052	.49144
#1	1.9699	2.2208	.52621	.51574	.54446
#2	1.9704	2.1696	.52772	.51808	.54069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3946.0**	**57507.**	**4359.9**
Stddev	8.5	70.	3.0
%RSD	.21575	.12112	.06966
#1	3952.0	57556.	4362.1
#2	3940.0	57458.	4357.8

Sample Name: 280-19384-g-16-d Acquired: 8/25/2011 17:23:46 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82546 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.00651**	**.00055**	**.00197**	**-.00050**	**-.00004**	**.00064**	**.02096**	**.00029**	**.00023**
Stddev	.00005	.00058	.00196	.00000	.00040	.00002	.00106	.00393	.00023	.00009
%RSD	9.3219	8.9629	354.74	.24554	79.699	44.437	166.54	18.766	79.570	38.324
#1	-.00052	.00610	.00194	.00197	-.00079	-.00003	-.00011	.02374	.00013	.00017
#2	-.00059	.00692	-.00083	.00198	-.00022	-.00005	.00139	.01818	.00045	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00001**	**.01046**	**.01351**	**.00781**	**.00136**	**.00039**	**.00467**	**.01282**	**.00012**
Stddev	.00026	.00055	.00078	.02982	.00305	.00036	.00005	.00141	.00114	.00011
%RSD	87.494	3995.5	7.4447	220.76	39.045	26.310	12.226	30.239	8.8713	93.915
#1	.00012	.00038	.01102	.03460	.00566	.00111	.00042	.00367	.01202	.00004
#2	.00049	-.00041	.00991	-.00758	.00997	.00162	.00036	.00567	.01363	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00101**	**.00009**	**-.00088**	**.00083**	**.00883**	**.03390**	**.00097**	**.00029**	**.00001**	**.00098**
Stddev	.00311	.00034	.00399	.00114	.00029	.00820	.00091	.00001	.00023	.00044
%RSD	309.07	371.10	451.52	137.31	3.3045	24.177	94.034	3.1313	1670.5	45.495
#1	.00321	.00033	.00194	.00164	.00904	.02810	.00032	.00029	.00018	.00066
#2	-.00119	-.00015	-.00371	.00002	.00863	.03969	.00161	.00030	-.00015	.00129
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00097**	**-.04073**	**-.00026**	**.00089**	**.00595**
Stddev	.00311	.03109	.00083	.00002	.00075
%RSD	321.45	76.336	319.73	2.0863	12.515
#1	-.00123	-.06272	.00033	.00090	.00543
#2	.00316	-.01875	-.00085	.00088	.00648
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4124.8**	**60813.**	**4351.7**
Stddev	4.5	106.	23.4
%RSD	.10802	.17385	.53740
#1	4121.6	60738.	4335.1
#2	4127.9	60888.	4368.2

Sample Name: 280-19384-g-16-dSD@5 Acquired: 8/25/2011 17:26:23 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82546 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**.00124**	**.00126**	**.00084**	**-.00018**	**-.00010**	**.00402**	**.03150**	**.00037**	**.00008**
Stddev	.00038	.00025	.00018	.00032	.00025	.00007	.00230	.00037	.00010	.00005
%RSD	81.790	19.981	13.956	37.890	139.76	68.419	57.262	1.1855	27.141	65.562
#1	-.00074	.00141	.00113	.00062	-.00036	-.00014	.00239	.03176	.00044	.00011
#2	-.00020	.00106	.00138	.00107	.00000	-.00005	.00565	.03123	.00030	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00006**	**.00662**	**.00896**	**.00606**	**.01221**	**.00017**	**.00020**	**-.02188**	**-.00002**
Stddev	.00004	.00014	.00154	.01001	.00094	.00113	.00003	.00031	.00204	.00016
%RSD	177.36	228.43	23.227	111.71	15.578	9.2418	16.919	156.41	9.3343	696.04
#1	.00005	-.00016	.00771	.00188	.00673	.01141	.00019	-.00002	-.02332	-.00013
#2	-.00001	.00004	.00554	.01604	.00540	.01301	.00015	.00042	-.02044	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00241**	**.00041**	**.00195**	**.00144**	**-.00247**	**-.01318**	**.00008**	**.00013**	**-.00092**	**.00016**
Stddev	.00019	.00036	.00292	.00261	.00023	.00518	.00086	.00004	.00179	.00006
%RSD	7.7355	89.433	149.46	181.90	9.4156	39.297	1019.2	31.495	195.16	37.624
#1	-.00254	.00066	.00402	-.00041	-.00263	-.01684	-.00052	.00016	-.00219	.00020
#2	-.00227	.00015	-.00011	.00328	-.00230	-.00952	.00069	.00010	.00035	.00012
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00995**	**-.00001**	**.00284**	**.00435**
Stddev	.00011	.01327	.00011	.00011	.00259
%RSD	55.427	133.38	1203.2	3.9718	59.603
#1	.00012	-.00057	.00007	.00276	.00618
#2	.00029	-.01933	-.00008	.00292	.00251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4077.6**	**60247.**	**4327.7**
Stddev	4.1	107.	.1
%RSD	.10113	.17681	.00265
#1	4080.5	60322.	4327.7
#2	4074.7	60171.	4327.6

Sample Name: 280-19384-g-16-e ms Acquired: 8/25/2011 17:29:02 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82546 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04918**	**1.9277**	**1.0445**	**1.0096**	**2.0896**	**.05197**	**2.3469**	**49.914**	**.10773**	**.49127**
Stddev	.00022	.0175	.0001	.0017	.0041	.00026	.0069	.153	.00026	.00025
%RSD	.45394	.90956	.01351	.17064	.19521	.50984	.29229	.30631	.24299	.05184
#1	.04934	1.9401	1.0444	1.0084	2.0925	.05216	2.3420	50.022	.10754	.49145
#2	.04902	1.9153	1.0446	1.0108	2.0868	.05178	2.3517	49.806	.10791	.49109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20104**	**.26357**	**1.0419**	**51.723**	**1.0386**	**52.118**	**.52489**	**1.0512**	**54.562**	**.49693**
Stddev	.00053	.00054	.0043	.052	.0021	.045	.00026	.0018	.253	.00007
%RSD	.26500	.20619	.41170	.09980	.20052	.08574	.04959	.17102	.46312	.01439
#1	.20066	.26318	1.0449	51.759	1.0401	52.086	.52507	1.0525	54.384	.49698
#2	.20141	.26395	1.0388	51.686	1.0371	52.149	.52470	1.0499	54.741	.49688
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9873**	**.51168**	**-.00858**	**.51624**	**2.0604**	**10.089**	**2.0405**	**1.0632**	**1.0112**	**1.0385**
Stddev	.0064	.00248	.00226	.00120	.0040	.020	.0003	.0038	.0024	.0008
%RSD	.06375	.48460	26.396	.23231	.19597	.19831	.01520	.35796	.23426	.07298
#1	9.9828	.51343	-.00698	.51709	2.0632	10.075	2.0407	1.0659	1.0129	1.0380
#2	9.9918	.50992	-.01018	.51539	2.0575	10.103	2.0403	1.0605	1.0095	1.0391
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9895**	**2.2488**	**.53339**	**.52282**	**.54484**
Stddev	.0028	.0091	.00002	.00019	.00287
%RSD	.13966	.40630	.00447	.03569	.52687
#1	1.9915	2.2424	.53340	.52269	.54687
#2	1.9876	2.2553	.53337	.52295	.54281
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3931.8**	**56894.**	**4342.8**
Stddev	3.8	89.	12.7
%RSD	.09585	.15710	.29254
#1	3934.5	56831.	4333.8
#2	3929.1	56957.	4351.8

Sample Name: 280-19384-g-16-f msd Acquired: 8/25/2011 17:31:20 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82546 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04852**	**1.9047**	**1.0399**	**1.0061**	**2.0728**	**.05185**	**2.3409**	**49.914**	**.10706**	**.48881**
Stddev	.00039	.0053	.0027	.0023	.0015	.00011	.0088	.079	.00038	.00073
%RSD	.79963	.27860	.25891	.23048	.07211	.22118	.37531	.15738	.35679	.15029
#1	.04825	1.9085	1.0418	1.0044	2.0717	.05177	2.3347	49.858	.10679	.48829
#2	.04880	1.9010	1.0380	1.0077	2.0738	.05193	2.3471	49.969	.10733	.48933
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19931**	**.26095**	**1.0437**	**51.432**	**1.0261**	**51.554**	**.52056**	**1.0491**	**53.867**	**.49479**
Stddev	.00032	.00166	.0029	.045	.0017	.051	.00097	.0018	.146	.00010
%RSD	.16268	.63546	.27557	.08699	.16505	.09985	.18611	.16986	.27104	.01990
#1	.19954	.25977	1.0417	51.400	1.0272	51.518	.51988	1.0478	53.970	.49472
#2	.19908	.26212	1.0457	51.464	1.0249	51.591	.52125	1.0503	53.764	.49486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9167**	**.51001**	**-.00624**	**.51599**	**2.0537**	**10.117**	**2.0264**	**1.0564**	**1.0060**	**1.0262**
Stddev	.0193	.00091	.00096	.00090	.0027	.031	.0028	.0015	.0016	.0022
%RSD	.19507	.17762	15.443	.17414	.12996	.30848	.13993	.14554	.16337	.21117
#1	9.9030	.50937	-.00556	.51663	2.0518	10.095	2.0244	1.0553	1.0071	1.0246
#2	9.9303	.51065	-.00693	.51536	2.0556	10.139	2.0285	1.0575	1.0048	1.0277
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9758**	**2.2272**	**.52568**	**.51692**	**.54559**
Stddev	.0078	.0174	.00055	.00055	.00873
%RSD	.39750	.78204	.10388	.10714	1.6006
#1	1.9702	2.2149	.52530	.51653	.53941
#2	1.9814	2.2395	.52607	.51731	.55176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3953.5**	**57481.**	**4338.2**
Stddev	5.3	97.	4.4
%RSD	.13432	.16941	.10178
#1	3957.3	57412.	4335.0
#2	3949.8	57550.	4341.3

Sample Name: 280-19384-g-16-dPDS Acquired: 8/25/2011 17:33:39 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82546 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04219**	**1.0110**	**.21436**	**.10336**	**.10592**	**.05251**	**-.00503**	**20.314**	**.05470**	**.05034**
Stddev	.00031	.0076	.00010	.00095	.00048	.00017	.00316	.013	.00004	.00021
%RSD	.73040	.75135	.04551	.91956	.45151	.32847	62.717	.06581	.06791	.41782
#1	.04241	1.0164	.21443	.10269	.10626	.05264	-.00280	20.323	.05467	.05019
#2	.04197	1.0056	.21429	.10403	.10558	.05239	-.00726	20.304	.05472	.05049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05193**	**.05451**	**1.0645**	**20.858**	**.10875**	**21.111**	**.05525**	**.05558**	**22.298**	**.05149**
Stddev	.00016	.00006	.0066	.056	.00279	.048	.00027	.00121	.287	.00027
%RSD	.29969	.10131	.61669	.26843	2.5637	.22634	.49178	2.1843	1.2860	.52033
#1	.05182	.05455	1.0599	20.897	.11072	21.145	.05544	.05472	22.501	.05168
#2	.05204	.05447	1.0692	20.818	.10678	21.077	.05506	.05644	22.095	.05130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9855**	**.10568**	**.00212**	**.10094**	**.21328**	**4.9531**	**.10066**	**.05596**	**.20514**	**.05105**
Stddev	.0070	.00033	.00097	.00009	.00565	.0256	.00110	.00012	.00024	.00031
%RSD	.35475	.30763	45.732	.09381	2.6496	.51632	1.0946	.21495	.11816	.59799
#1	1.9806	.10545	.00281	.10088	.20929	4.9350	.09988	.05605	.20497	.05127
#2	1.9905	.10591	.00144	.10101	.21728	4.9711	.10144	.05588	.20531	.05083
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.20882**	**.57464**	**.05424**	**.21659**	**.05791**
Stddev	.00049	.01286	.00042	.00027	.00170
%RSD	.23369	2.2385	.76997	.12589	2.9366
#1	.20847	.56555	.05454	.21678	.05911
#2	.20916	.58374	.05395	.21640	.05670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4035.8**	**59010.**	**4370.6**
Stddev	8.7	228.	4.7
%RSD	.21648	.38579	.10828
#1	4029.6	58849.	4374.0
#2	4042.0	59171.	4367.3

Sample Name: CCVH-940568 Acquired: 8/25/2011 17:36:06 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02437**	**49.877**	**-.00362**	**.00223**	**.00010**	**-.00017**	**.99261**	**.02872**	**-.00096**	**.00205**	**.00003**	**-.00302**	**50.644**
Stddev	.00076	.058	.00109	.00029	.00020	.00002	.00307	.00315	.00007	.00023	.00023	.00052	.247
%RSD	3.1022	.11703	30.129	12.991	206.99	13.500	.30950	10.952	6.8251	11.015	731.19	17.135	.48821
#1	-.02491	49.918	-.00285	.00244	-.00005	-.00018	.99043	.02649	-.00101	.00189	-.00013	-.00266	50.818
#2	-.02384	49.836	-.00439	.00203	.00024	-.00015	.99478	.03094	-.00092	.00221	.00020	-.00339	50.469
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15203**	**.00767**	**-.09915**	**.00101**	**-.00183**	**264.32**	**.00138**	**.00373**	**.00034**	**5.0675**	**-.00761**	**.01520**	**.01869**
Stddev	.00934	.00504	.00274	.00002	.00029	1.10	.00003	.00090	.00007	.0016	.00055	.00180	.00698
%RSD	6.1418	65.693	2.7616	2.3465	15.825	.41567	1.9075	24.175	20.220	.03234	7.2734	11.853	37.332
#1	.14542	.00411	-.09721	.00103	-.00203	263.55	.00136	.00309	.00039	5.0663	-.00722	.01393	.02362
#2	.15863	.01124	-.10109	.00099	-.00162	265.10	.00140	.00436	.00029	5.0686	-.00800	.01647	.01376
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00149**	**.00056**	**4.9805**	**.00384**	**.00366**	**10.754**	**-.01001**	**.00493**	**.01694**
Stddev	.00004	.00007	.0035	.00018	.00023	.027	.00040	.00019	.00100
%RSD	2.5771	11.685	.07112	4.7583	6.3788	.24947	3.9879	3.9122	5.9306
#1	.00146	.00061	4.9830	.00371	.00383	10.773	-.01029	.00479	.01765
#2	.00151	.00051	4.9780	.00397	.00350	10.735	-.00973	.00507	.01623
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3937.5**	**56523.**	**4308.0**
Stddev	1.0	6.	6.2
%RSD	.02580	.01041	.14355
#1	3938.2	56519.	4303.7
#2	3936.8	56527.	4312.4

Sample Name: CCV-940591 Acquired: 8/25/2011 17:38:37 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52230**	**.50670**	**1.0281**	**.51511**	**.50975**	**.50879**	**.00535**	**4.9864**	**.51913**	**.49776**	**.49772**	**.52524**	**2.5714**
Stddev	.00067	.00124	.0000	.00080	.00423	.00391	.00046	.0397	.00080	.00008	.00154	.00003	.0235
%RSD	.12909	.24449	.00046	.15584	.83059	.76826	8.6328	.79703	.15318	.01540	.30851	.00560	.91557
#1	.52277	.50758	1.0281	.51454	.50675	.50602	.00503	4.9583	.51970	.49782	.49881	.52522	2.5547
#2	.52182	.50582	1.0281	.51568	.51274	.51155	.00568	5.0145	.51857	.49771	.49664	.52526	2.5880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.133**	**1.0149**	**20.779**	**.52361**	**.51483**	**5.3286**	**.50536**	**.97208**	**1.0381**	**.00442**	**1.0128**	**1.0127**	**4.9967**
Stddev	.425	.0098	.008	.00006	.00132	.0448	.00012	.00165	.0020	.00076	.0037	.0017	.0348
%RSD	.84732	.97091	.03788	.01208	.25653	.84010	.02355	.17013	.19009	17.273	.36761	.17018	.69598
#1	49.832	1.0079	20.785	.52357	.51576	5.2970	.50544	.97325	1.0395	.00388	1.0102	1.0139	4.9721
#2	50.433	1.0218	20.773	.52366	.51389	5.3603	.50528	.97091	1.0367	.00496	1.0154	1.0115	5.0213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0132**	**.51882**	**.00079**	**.49923**	**1.0081**	**-.01593**	**.51968**	**.52321**	**.52604**
Stddev	.0015	.00444	.00050	.00060	.0041	.03712	.00091	.00177	.00489
%RSD	.14516	.85653	63.763	.11962	.40445	233.07	.17472	.33876	.93022
#1	1.0143	.51568	.00043	.49881	1.0109	-.04217	.52032	.52196	.52258
#2	1.0122	.52197	.00114	.49966	1.0052	.01032	.51904	.52446	.52950
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4034.6**	**58966.**	**4348.0**
Stddev	3.3	88.	.5
%RSD	.08232	.14973	.01169
#1	4032.3	59029.	4348.3
#2	4037.0	58904.	4347.6

Sample Name: CCB Acquired: 8/25/2011 17:40:57 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00004**	**.00376**	W **.00160**	**.00004**	**-.00005**	**.00124**	**.00505**	**.00021**	**-.00001**	**.00001**
Stddev	.00014	.00084	.00034	.00048	.00043	.00001	.00029	.00215	.00003	.00019	.00026
%RSD	78.952	2217.2	9.1360	29.913	1235.9	15.973	23.089	42.682	14.943	2702.7	1898.5
#1	.00008	.00063	.00400	.00194	-.00027	-.00004	.00144	.00352	.00023	-.00014	-.00017
#2	.00028	-.00055	.00351	.00126	.00034	-.00005	.00103	.00657	.00019	.00012	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.00322**	**.01093**	F **.00733**	**.00034**	**.00005**	**.00296**	**.03097**	**.00019**	**-.00309**	**.00107**
Stddev	.00019	.00019	.02167	.00076	.00007	.00001	.00098	.02671	.00011	.00065	.00032
%RSD	620.61	5.9244	198.32	10.410	20.749	18.732	33.050	86.246	55.763	21.017	29.547
#1	.00010	-.00335	.02625	.00679	.00029	.00004	.00227	.01208	.00027	-.00263	.00129
#2	-.00017	-.00308	-.00440	.00787	.00039	.00005	.00366	.04986	.00012	-.00355	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00522							
Low Limit				-.00522							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00137**	F **.00877**	W **.00504**	**.01198**	**.00089**	**.00009**	**-.00121**	**.00012**	**.00147**	**-.02085**	**.00021**
Stddev	.00273	.00397	.00189	.01078	.00024	.00011	.00084	.00003	.00136	.04648	.00029
%RSD	199.76	45.337	37.477	90.002	26.823	111.36	68.914	28.609	92.302	222.95	137.76
#1	-.00056	.00596	.00637	.00436	.00106	.00017	-.00062	.00009	.00051	-.05371	.00001
#2	.00330	.01158	.00370	.01960	.00072	.00002	-.00181	.00014	.00243	.01202	.00042
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00154**	**.00200**
Stddev	.00008	.00271
%RSD	5.4906	135.80
#1	.00148	.00008
#2	.00160	.00392
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4063.6**	**60060.**	**4319.2**
Stddev	7.0	69.	16.0
%RSD	.17309	.11550	.37041
#1	4068.6	60109.	4330.5
#2	4058.7	60011.	4307.9

Sample Name: CCVL-942742 Acquired: 8/25/2011 17:43:32 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01106**	**.10471**	**.01465**	**.10253**	**.01019**	**.00102**	F **.13183**	**.20632**	**.00545**	**.01022**	**.01021**
Stddev	.00099	.00183	.00145	.00052	.00006	.00003	.00438	.00386	.00001	.00008	.00004
%RSD	8.9364	1.7462	9.8696	.51005	.60319	2.6920	3.3203	1.8693	.22351	.74579	.36878
#1	.01037	.10600	.01568	.10290	.01023	.00100	.12873	.20905	.00544	.01027	.01023
#2	.01176	.10342	.01363	.10216	.01015	.00104	.13492	.20360	.00546	.01016	.01018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01595**	**.09992**	**3.0369**	F **.01831**	**.21837**	**.01094**	**.02015**	**1.1171**	**.04210**	**2.8297**	**.00981**
Stddev	.00012	.00137	.0121	.00365	.00254	.00001	.00034	.0139	.00005	.0033	.00055
%RSD	.72558	1.3688	.39961	19.925	1.1651	.09544	1.7085	1.2438	.11166	.11568	5.6239
#1	.01587	.09896	3.0454	.02089	.22017	.01095	.01990	1.1269	.04207	2.8320	.01020
#2	.01603	.10089	3.0283	.01573	.21657	.01093	.02039	1.1072	.04213	2.8274	.00942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00157**	**.00989**	**.01452**	**.49726**	**.10276**	**.01070**	**.01421**	**.01013**	**.01783**	W **.07362**	**.01001**
Stddev	.00252	.00132	.00151	.01016	.00033	.00007	.00009	.00031	.00142	.01749	.00033
%RSD	160.04	13.368	10.382	2.0439	.31797	.63080	.65011	3.1049	7.9444	23.760	3.3002
#1	-.00021	.01082	.01345	.50445	.10253	.01065	.01427	.01036	.01883	.08599	.01025
#2	.00335	.00895	.01558	.49008	.10299	.01075	.01414	.00991	.01683	.06125	.00978
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value										.06000	
Range										20.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02293**	F **.01997**
Stddev	.00023	.00406
%RSD	.99349	20.318
#1	.02277	.02284
#2	.02309	.01710
Check ?	Chk Pass	Chk Fail
Value		.01500
Range		30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4139.1**	**61046.**	**4376.7**
Stddev	6.7	41.	1.8
%RSD	.16138	.06699	.04109
#1	4143.8	61018.	4377.9
#2	4134.4	61075.	4375.4

Sample Name: mb 280-82642/1-a Acquired: 8/25/2011 17:46:05 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00997**	**-.00257**	F **.01153**	**.00280**	**.00002**	**.00103**	**.05011**	**.00031**	**-.00012**
Stddev	.00017	.00011	.00220	.00005	.00009	.00000	.00033	.00393	.00012	.00010
%RSD	556.83	1.0892	85.708	.42360	3.2879	17.183	31.965	7.8384	37.206	89.228
#1	-.00009	.01005	-.00101	.01149	.00273	.00003	.00126	.04733	.00023	-.00019
#2	.00015	.00990	-.00413	.01156	.00286	.00002	.00079	.05289	.00039	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00080**	**.01951**	**.00906**	**.00442**	**.01611**	**.00066**	**-.00010**	**.10455**	**.00057**
Stddev	.00005	.00016	.00398	.00660	.00018	.00028	.00002	.00021	.01914	.00008
%RSD	18.167	20.170	20.378	72.935	3.9709	1.7128	2.8997	208.02	18.312	14.202
#1	.00024	.00068	.02232	.00439	.00454	.01630	.00065	-.00025	.09101	.00051
#2	.00031	.00091	.01670	.01373	.00430	.01591	.00067	.00005	.11808	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00422**	**-.00103**	**.03407**	**.00076**	**-.00102**	W **.06443**	**.00958**	**.00061**	**-.00095**	**.00084**
Stddev	.00047	.00159	.00138	.00186	.00060	.00104	.00034	.00005	.00005	.00026
%RSD	11.018	153.51	4.0510	243.37	58.806	1.6213	3.5465	7.6750	5.3810	31.543
#1	.00455	.00009	.03505	-.00055	-.00059	.06369	.00982	.00058	-.00099	.00065
#2	.00389	-.00216	.03310	.00208	-.00144	.06517	.00934	.00065	-.00091	.00103
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.05000				
Low Limit						-.05000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**-.01301**	**-.00023**	**.00310**	W **.00510**
Stddev	.00178	.03143	.00092	.00009	.00017
%RSD	324.34	241.60	402.89	2.8110	3.2348
#1	.00181	.00922	.00042	.00316	.00522
#2	-.00071	-.03523	-.00088	.00304	.00499
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					.00500
Low Limit					-.00500

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4175.5**	**62206.**	**4495.5**
Stddev	2.0	167.	38.5
%RSD	.04809	.26912	.85535
#1	4177.0	62088.	4522.7
#2	4174.1	62324.	4468.4

Sample Name: lcs 280-82642/2-a Acquired: 8/25/2011 17:48:41 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04633**	**1.8338**	**1.0023**	**.99824**	**2.0284**	**.05048**	F **2.2864**	**48.811**	**.10348**	**.47499**
Stddev	.00114	.0089	.0006	.00311	.0015	.00010	.0028	.006	.00010	.00017
%RSD	2.4633	.48308	.05945	.31113	.07336	.20727	.12201	.01224	.09433	.03502
#1	.04714	1.8400	1.0027	.99604	2.0295	.05055	2.2844	48.806	.10342	.47487
#2	.04552	1.8275	1.0019	1.0004	2.0274	.05040	2.2884	48.815	.10355	.47511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19397**	**.25619**	**1.0278**	**50.224**	**.99932**	**49.624**	**.50367**	**1.0024**	**52.550**	**.48306**
Stddev	.00011	.00028	.0052	.048	.00224	.042	.00035	.0011	.021	.00004
%RSD	.05565	.11032	.50245	.09644	.22407	.08465	.06899	.10750	.04065	.00900
#1	.19405	.25599	1.0242	50.190	.99773	49.654	.50392	1.0032	52.565	.48309
#2	.19389	.25639	1.0315	50.259	1.0009	49.594	.50343	1.0017	52.535	.48303
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6015**	**.49642**	**.02749**	**.49250**	**1.9622**	**3.8551**	**1.9424**	**1.0320**	**.97477**	**.98859**
Stddev	.0123	.00156	.00113	.00378	.0053	.0358	.0001	.0002	.00281	.00084
%RSD	.12828	.31382	4.1085	.76799	.27142	.92760	.00521	.01908	.28788	.08476
#1	9.5928	.49531	.02829	.48983	1.9660	3.8298	1.9423	1.0322	.97676	.98918
#2	9.6102	.49752	.02670	.49518	1.9585	3.8804	1.9425	1.0319	.97279	.98800
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9201**	**2.1772**	**.50864**	**.49798**	**.52367**
Stddev	.0017	.0128	.00211	.00129	.00154
%RSD	.08793	.58657	.41423	.25807	.29462
#1	1.9189	2.1681	.51013	.49889	.52476
#2	1.9213	2.1862	.50715	.49707	.52258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4002.5**	**58492.**	**4390.6**
Stddev	5.2	16.	3.0
%RSD	.13103	.02750	.06723
#1	4006.2	58480.	4392.6
#2	3998.8	58503.	4388.5

Sample Name: 280-19157-a-11-b Acquired: 8/25/2011 17:51:01 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**92.981**	**.09055**	**.06564**	**1.1432**	**.00507**	**-.00964**	**143.68**	**.00326**	**.08669**
Stddev	.00032	.042	.00175	.00022	.0026	.00004	.00303	.29	.00007	.00008
%RSD	40.014	.04502	1.9308	.32778	.23053	.74219	31.394	.20104	2.2716	.09506
#1	-.00102	92.951	.09179	.06579	1.1414	.00510	-.01178	143.47	.00320	.08664
#2	-.00057	93.010	.08932	.06548	1.1451	.00505	-.00750	143.88	.00331	.08675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14555**	**.17864**	**226.77**	**24.665**	**.09035**	**86.819**	**3.9704**	**.01200**	**3.0615**	**.30462**
Stddev	.00054	.00004	.73	.022	.00222	.101	.0095	.00040	.0093	.00039
%RSD	.37197	.02052	.32108	.09056	2.4610	.11649	.23938	3.3643	.30409	.12857
#1	.14517	.17867	226.26	24.649	.09192	86.748	3.9637	.01171	3.0681	.30434
#2	.14593	.17862	227.29	24.681	.08877	86.891	3.9771	.01229	3.0550	.30489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.1153**	**.15991**	**1.7412**	**-.00663**	**.01436**	**6.1272**	**.00435**	**.47427**	**.04863**	**1.8748**
Stddev	.0227	.00170	.0009	.00360	.00311	.0289	.00000	.00031	.00023	.0031
%RSD	.31853	1.0631	.05346	54.370	21.645	.47100	.00626	.06551	.47809	.16252
#1	7.0993	.15871	1.7418	-.00918	.01216	6.1476	.00435	.47449	.04879	1.8726
#2	7.1313	.16111	1.7405	-.00408	.01656	6.1068	.00435	.47405	.04846	1.8769
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00139**	**.03731**	**.19462**	**.58460**	**.09594**
Stddev	.00106	.03278	.00163	.00155	.00021
%RSD	76.143	87.852	.83823	.26479	.21652
#1	.00214	.01413	.19346	.58351	.09609
#2	.00064	.06049	.19577	.58570	.09580
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4324.7**	**62415.**	**4861.8**
Stddev	15.9	235.	17.0
%RSD	.36695	.37613	.34968
#1	4335.9	62581.	4873.9
#2	4313.5	62249.	4849.8

Sample Name: 280-19157-b-12-b Acquired: 8/25/2011 17:53:33 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**97.258**	**.07353**	**.06881**	**1.4430**	**.00500**	**-.00866**	**230.89**	**.00260**	**.07785**
Stddev	.00031	.329	.00457	.00001	.0049	.00004	.00246	1.58	.00015	.00021
%RSD	59.028	.33782	6.2199	.00740	.34235	.84215	28.444	.68324	5.7204	.27466
#1	-.00075	97.026	.07676	.06882	1.4395	.00503	-.00692	232.00	.00249	.07770
#2	-.00031	97.491	.07029	.06881	1.4465	.00497	-.01041	229.77	.00270	.07800
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13154**	**.16733**	**199.21**	**22.462**	**.09879**	**76.023**	**3.4740**	**.00697**	**5.4714**	**.27530**
Stddev	.00013	.00082	.84	.070	.00209	.155	.0077	.00011	.0212	.00092
%RSD	.09873	.49021	.41987	.31172	2.1174	.20403	.22095	1.6169	.38756	.33556
#1	.13163	.16675	198.62	22.413	.10027	75.913	3.4795	.00705	5.4564	.27596
#2	.13145	.16791	199.80	22.512	.09731	76.132	3.4686	.00689	5.4864	.27465
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.5827**	**.13809**	**1.6691**	**-.00705**	**.00465**	**3.9197**	**.00232**	**.68720**	**.04195**	**1.5597**
Stddev	.0043	.00028	.0027	.00202	.00341	.0050	.00042	.00372	.00093	.0027
%RSD	.06451	.20537	.16126	28.591	73.419	.12838	18.071	.54129	2.2271	.17390
#1	6.5797	.13789	1.6710	-.00848	.00224	3.9233	.00262	.68457	.04261	1.5578
#2	6.5857	.13829	1.6672	-.00563	.00707	3.9161	.00203	.68983	.04129	1.5617
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00446**	**.02764**	**.20686**	**.51834**	**.07906**
Stddev	.00108	.00970	.00021	.00061	.00142
%RSD	24.200	35.076	.10130	.11789	1.7904
#1	.00369	.02079	.20671	.51791	.07806
#2	.00522	.03450	.20701	.51877	.08006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4256.9**	**60802.**	**4846.8**
Stddev	.1	70.	6.3
%RSD	.00250	.11450	.13081
#1	4257.0	60851.	4842.3
#2	4256.8	60752.	4851.3

Sample Name: 280-19157-b-13-b Acquired: 8/25/2011 17:56:05 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**80.807**	**.07197**	**.06492**	**.99318**	**.00435**	**-.00333**	**139.93**	**.00303**	**.06981**
Stddev	.00050	.130	.00102	.00040	.00002	.00008	.00199	.11	.00008	.00032
%RSD	323.71	.16138	1.4217	.60914	.00212	1.8162	59.957	.07505	2.7356	.45922
#1	.00020	80.899	.07270	.06464	.99316	.00441	-.00192	140.00	.00309	.06958
#2	-.00051	80.715	.07125	.06520	.99319	.00429	-.00474	139.85	.00297	.07003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12670**	**.15231**	**178.67**	**20.316**	**.08584**	**72.221**	**3.1643**	**.00724**	**3.3110**	**.23210**
Stddev	.00015	.00030	.33	.024	.00326	.034	.0004	.00025	.0080	.00007
%RSD	.11450	.19998	.18285	.11641	3.7955	.04721	.01158	3.4600	.24315	.03106
#1	.12660	.15210	178.90	20.332	.08354	72.245	3.1640	.00706	3.3167	.23205
#2	.12680	.15253	178.44	20.299	.08814	72.197	3.1646	.00742	3.3053	.23215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.7331**	**.14702**	**1.5959**	**-.00663**	**.00054**	**4.0287**	**.00266**	**.47740**	**.04457**	**1.5228**
Stddev	.0046	.00003	.0035	.00054	.00088	.0351	.00046	.00050	.00253	.0003
%RSD	.08083	.01743	.21978	8.1769	161.28	.87140	17.333	.10518	5.6855	.01862
#1	5.7364	.14700	1.5983	-.00701	.00117	4.0038	.00298	.47776	.04278	1.5226
#2	5.7298	.14704	1.5934	-.00624	-.00008	4.0535	.00233	.47705	.04637	1.5230
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00158**	**.03252**	**.19622**	**.52080**	**.08266**
Stddev	.00128	.01777	.00060	.00081	.00067
%RSD	81.091	54.654	.30360	.15573	.80974
#1	.00068	.04508	.19580	.52023	.08218
#2	.00249	.01995	.19664	.52138	.08313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4272.0**	**61497.**	**4804.4**
Stddev	4.0	5.	4.9
%RSD	.09321	.00740	.10300
#1	4269.2	61500.	4800.9
#2	4274.8	61494.	4807.9

Sample Name: 280-19157-b-13-bSD@5 Acquired: 8/25/2011 17:58:31 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**17.343**	**.01268**	**.01521**	**.21176**	**.00088**	**.00276**	**29.753**	**.00067**	**.01521**
Stddev	.00007	.059	.00215	.00006	.00131	.00013	.00249	.183	.00000	.00008
%RSD	101.09	.33960	16.986	.40546	.61952	14.291	90.187	.61640	.55494	.54192
#1	-.00002	17.302	.01420	.01517	.21084	.00080	.00100	29.623	.00067	.01515
#2	-.00013	17.385	.01116	.01526	.21269	.00097	.00451	29.883	.00067	.01527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02718**	**.03259**	**38.484**	**4.2747**	**.02475**	**15.551**	**.67653**	**.00113**	**.70704**	**.05086**
Stddev	.00032	.00018	.103	.0400	.00010	.025	.00046	.00002	.01362	.00034
%RSD	1.1745	.54336	.26721	.93594	.39044	.16400	.06750	1.7673	1.9264	.67505
#1	.02740	.03247	38.411	4.2464	.02469	15.533	.67620	.00114	.69741	.05062
#2	.02695	.03272	38.557	4.3030	.02482	15.569	.67685	.00111	.71667	.05111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2100**	**.03170**	**.33416**	**-.00225**	**.00073**	**.81264**	**.00077**	**.10255**	**.00891**	**.31790**
Stddev	.0025	.00049	.00126	.00091	.00336	.02634	.00042	.00045	.00036	.00063
%RSD	.20890	1.5576	.37606	40.452	457.11	3.2418	55.449	.44019	4.0298	.19683
#1	1.2082	.03204	.33505	-.00161	.00311	.79401	.00107	.10223	.00866	.31746
#2	1.2118	.03135	.33327	-.00289	-.00164	.83127	.00047	.10287	.00917	.31834
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00177**	**.00591**	**.04360**	**.11420**	**.02011**
Stddev	.00047	.01165	.00040	.00039	.00253
%RSD	26.832	197.24	.91060	.34397	12.583
#1	.00143	-.00233	.04332	.11448	.01832
#2	.00210	.01415	.04388	.11392	.02190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4100.8**	**59757.**	**4439.1**
Stddev	.7	85.	5.6
%RSD	.01815	.14280	.12505
#1	4100.3	59817.	4435.2
#2	4101.3	59696.	4443.0

Sample Name: 280-19157-b-13-bPDS Acquired: 8/25/2011 18:01:02 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03958**	**80.218**	**.26617**	**.15496**	**1.0712**	**.05203**	W **-.01401**	**155.41**	**.05352**	**.11374**
Stddev	.00088	.876	.00072	.00050	.0114	.00057	.00354	1.56	.00011	.00016
%RSD	2.2151	1.0921	.26969	.32094	1.0672	1.0873	25.244	1.0023	.20916	.14184
#1	.04020	80.838	.26668	.15531	1.0793	.05243	-.01151	156.51	.05344	.11386
#2	.03896	79.599	.26566	.15461	1.0631	.05163	-.01651	154.31	.05360	.11363
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							3.0000			
Low Limit							-.01000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17212**	**.20016**	**176.11**	**39.506**	**.17695**	**90.425**	**3.1647**	**.05306**	**24.686**	**.27422**
Stddev	.00038	.00195	2.19	.421	.00160	.925	.0313	.00025	.337	.00038
%RSD	.22251	.97424	1.2415	1.0654	.90572	1.0226	.98781	.47939	1.3655	.13788
#1	.17239	.20154	177.66	39.803	.17808	91.079	3.1868	.05324	24.447	.27395
#2	.17185	.19878	174.57	39.208	.17581	89.771	3.1426	.05288	24.924	.27449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.4923**	**.23676**	**1.5880**	**.08294**	**.19488**	**8.4862**	**.09170**	**.51908**	**.23631**	**1.5467**
Stddev	.0229	.00341	.0013	.00118	.00769	.1152	.00001	.00488	.00045	.0086
%RSD	.30525	1.4410	.08014	1.4232	3.9439	1.3578	.01625	.94027	.19071	.55538
#1	7.5085	.23435	1.5871	.08377	.20031	8.5677	.09169	.52253	.23663	1.5528
#2	7.4761	.23918	1.5889	.08211	.18944	8.4047	.09171	.51562	.23600	1.5406
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.18128**	**.49370**	**.24519**	**.70783**	**.13292**
Stddev	.00004	.02609	.00217	.00648	.00169
%RSD	.02287	5.2841	.88695	.91600	1.2745
#1	.18130	.51214	.24673	.71242	.13411
#2	.18125	.47525	.24365	.70325	.13172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4227.3**	**60691.**	**4794.7**
Stddev	9.4	255.	26.3
%RSD	.22324	.42039	.54761
#1	4220.7	60510.	4776.1
#2	4234.0	60871.	4813.3

Sample Name: CCVH-940568 Acquired: 8/25/2011 18:03:26 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02347**	**49.848**	**-.00305**	**.00148**	**.00067**	**-.00012**	**.99237**	**.02947**	**-.00117**	**.00207**	**-.00001**	**-.00324**	**50.518**
Stddev	.00029	.067	.00006	.00011	.00016	.00013	.00173	.00110	.00006	.00019	.00013	.00025	.443
%RSD	1.2362	.13496	1.8096	7.1792	23.693	106.96	.17477	3.7406	4.9636	8.9621	1185.8	7.6873	.87748
#1	-.02368	49.895	-.00309	.00141	.00079	-.00003	.99115	.03025	-.00113	.00194	.00008	-.00342	50.832
#2	-.02326	49.800	-.00301	.00156	.00056	-.00021	.99360	.02869	-.00121	.00221	-.00010	-.00307	50.205
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16149**	**.00489**	**-.09855**	**.00082**	**-.00216**	**263.95**	**.00131**	**.00347**	**-.00048**	**5.0437**	**-.00793**	**.01302**	**.03855**
Stddev	.03674	.00098	.00329	.00001	.00018	1.15	.00020	.00221	.00144	.0004	.00136	.00045	.00990
%RSD	22.752	19.986	3.3384	1.0219	8.5433	.43630	14.919	63.660	298.44	.00733	17.194	3.4614	25.685
#1	.18748	.00420	-.10088	.00082	-.00203	264.77	.00117	.00191	.00053	5.0434	-.00696	.01334	.04555
#2	.13551	.00558	-.09623	.00081	-.00229	263.14	.00145	.00503	-.00150	5.0439	-.00889	.01271	.03154
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00120**	**.00046**	**4.9552**	**.00402**	**.00368**	**10.634**	**-.00943**	**.00448**	**.02046**
Stddev	.00046	.00012	.0077	.00007	.00088	.050	.00098	.00039	.00352
%RSD	37.832	27.255	.15562	1.8592	23.927	.46989	10.345	8.6125	17.216
#1	.00088	.00054	4.9498	.00397	.00431	10.599	-.01012	.00476	.02296
#2	.00153	.00037	4.9607	.00408	.00306	10.669	-.00874	.00421	.01797
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3917.8**	**56704.**	**4286.9**
Stddev	.0	213.	7.1
%RSD	.00107	.37475	.16532
#1	3917.8	56554.	4281.9
#2	3917.8	56855.	4291.9

Sample Name: CCV-940591 Acquired: 8/25/2011 18:05:57 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52659**	**.50826**	**1.0250**	**.51488**	**.51483**	**.50934**	**.00621**	**4.9902**	**.51964**	**.50064**	**.49983**	**.52510**	**2.5496**
Stddev	.00106	.00569	.0021	.00054	.00125	.00112	.00165	.0034	.00061	.00125	.00034	.00085	.0038
%RSD	.20191	1.1198	.20430	.10438	.24241	.22076	26.520	.06820	.11715	.24942	.06753	.16117	.14820
#1	.52734	.50423	1.0235	.51526	.51571	.51013	.00504	4.9927	.51921	.50152	.50007	.52570	2.5523
#2	.52584	.51228	1.0265	.51450	.51395	.50854	.00737	4.9878	.52007	.49976	.49959	.52450	2.5469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.470**	**1.0211**	**20.821**	**.52412**	**.51480**	**5.3494**	**.50675**	**.97434**	**1.0357**	**.00380**	**1.0165**	**1.0181**	**5.0223**
Stddev	.198	.0022	.020	.00102	.00051	.0131	.00037	.00160	.0004	.00008	.0053	.0027	.0010
%RSD	.39260	.21092	.09591	.19386	.09904	.24465	.07232	.16462	.03399	2.0298	.52247	.26565	.02094
#1	50.611	1.0226	20.835	.52484	.51516	5.3587	.50649	.97547	1.0360	.00375	1.0203	1.0200	5.0230
#2	50.330	1.0196	20.807	.52340	.51444	5.3402	.50701	.97320	1.0355	.00386	1.0128	1.0162	5.0215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0179**	**.52212**	**-.00093**	**.50177**	**1.0145**	**.02023**	**.52392**	**.52149**	**.52227**
Stddev	.0007	.00158	.00061	.00051	.0007	.02962	.00029	.00095	.00641
%RSD	.06731	.30180	64.969	.10088	.07059	146.41	.05579	.18270	1.2269
#1	1.0174	.52324	-.00050	.50212	1.0140	-.00071	.52412	.52217	.52680
#2	1.0184	.52101	-.00136	.50141	1.0150	.04118	.52371	.52082	.51774
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4017.4**	**58587.**	**4336.4**
Stddev	6.6	178.	1.2
%RSD	.16306	.30465	.02673
#1	4022.1	58461.	4337.2
#2	4012.8	58713.	4335.5

Sample Name: CCB Acquired: 8/25/2011 18:08:18 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**-.00112**	**.00240**	**.00059**	**-.00026**	**-.00005**	**.00034**	**.00328**	**.00028**	**-.00011**	**.00035**
Stddev	.00013	.00008	.00264	.00000	.00029	.00011	.00048	.00416	.00020	.00024	.00032
%RSD	149.51	7.2914	109.95	.69218	113.24	222.23	143.33	126.63	74.059	210.23	91.890
#1	.00000	-.00107	.00053	.00058	-.00047	.00003	.00000	.00034	.00013	-.00028	.00012
#2	-.00017	-.00118	.00427	.00059	-.00005	-.00013	.00067	.00622	.00042	.00006	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**-.00125**	**-.02210**	W **.00503**	**.00003**	**-.00001**	**.00303**	**.03065**	**-.00005**	**.00369**	**-.00030**
Stddev	.00006	.00034	.00844	.00316	.00144	.00004	.00085	.01375	.00017	.00172	.00120
%RSD	30.031	27.270	38.188	62.785	4123.6	463.00	27.912	44.864	313.19	46.495	398.32
#1	-.00024	-.00149	-.01613	.00726	-.00098	.00002	.00243	.04037	-.00018	.00248	-.00115
#2	-.00016	-.00101	-.02806	.00279	.00105	-.00003	.00363	.02093	.00007	.00490	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	F **.00926**	W **.00638**	**.00408**	**.00046**	**.00015**	**-.00033**	**.00044**	**.00220**	**.02879**	**.00001**
Stddev	.00221	.00463	.00035	.00419	.00004	.00017	.00030	.00056	.00068	.02328	.00060
%RSD	545.20	49.999	5.5174	102.71	9.6874	111.27	91.034	127.58	31.022	80.865	5483.9
#1	-.00116	.00599	.00663	.00112	.00049	.00027	-.00012	.00084	.00268	.04526	.00044
#2	.00197	.01253	.00614	.00704	.00043	.00003	-.00055	.00004	.00172	.01233	-.00042
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00212**	**.00222**
Stddev	.00020	.00115
%RSD	9.3017	51.973
#1	.00198	.00303
#2	.00226	.00140
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4055.8**	**59817.**	**4296.7**
Stddev	5.4	79.	7.9
%RSD	.13396	.13142	.18376
#1	4052.0	59761.	4291.1
#2	4059.7	59872.	4302.2

Sample Name: CCVL-942742 Acquired: 8/25/2011 18:10:53 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01086**	**.10600**	**.01617**	**.10207**	**.01018**	**.00110**	F **.13190**	**.21236**	**.00548**	**.01033**	**.01031**	**.01625**
Stddev	.00070	.00024	.00080	.00011	.00033	.00016	.00493	.00388	.00007	.00037	.00002	.00009
%RSD	6.4004	.22306	4.9339	.10565	3.2172	14.676	3.7346	1.8280	1.3611	3.6173	.15670	.57335
#1	.01037	.10583	.01560	.10215	.00994	.00098	.13539	.20962	.00543	.01059	.01030	.01631
#2	.01135	.10616	.01673	.10199	.01041	.00121	.12842	.21511	.00553	.01007	.01032	.01618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000					
Range							30.000%					

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10553**	**3.1331**	F **.01676**	**.22012**	**.01135**	**.02006**	**1.1039**	**.04204**	**2.8510**	**.00947**	**.00120**	**.00954**
Stddev	.00077	.0218	.00205	.00001	.00004	.00044	.0053	.00006	.0181	.00143	.00441	.00213
%RSD	.72861	.69605	12.218	.00264	.33107	2.1913	.48073	.15054	.63512	15.060	366.72	22.326
#1	.10499	3.1177	.01531	.22011	.01138	.01975	1.1002	.04208	2.8638	.00847	-.00192	.01105
#2	.10608	3.1486	.01821	.22012	.01133	.02037	1.1077	.04199	2.8382	.01048	.00432	.00803
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value			.01000									
Range			30.000%									

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01554**	**.49265**	**.10291**	**.01090**	**.01399**	**.01049**	**.01769**	**.05309**	**.01008**	**.02338**	F **.02013**
Stddev	.00093	.00674	.00009	.00009	.00189	.00033	.00080	.03952	.00066	.00093	.00191
%RSD	5.9642	1.3688	.08359	.84790	13.537	3.1464	4.5219	74.438	6.5911	3.9586	9.5138
#1	.01620	.49742	.10285	.01097	.01533	.01026	.01712	.02515	.01055	.02404	.02148
#2	.01489	.48788	.10297	.01084	.01265	.01072	.01825	.08104	.00961	.02273	.01877
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value											.01500
Range											30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4125.7**	**60658.**	**4353.7**
Stddev	10.7	133.	24.3
%RSD	.25979	.21975	.55877
#1	4118.2	60564.	4370.9
#2	4133.3	60753.	4336.5

Sample Name: 280-19157-b-14-b Acquired: 8/25/2011 18:13:26 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00112**	**92.557**	**.08017**	**.06928**	**1.0906**	**.00499**	**-.00777**	**172.66**	**.00338**	**.07735**
Stddev	.00016	.414	.00088	.00035	.0013	.00003	.00065	.71	.00036	.00018
%RSD	14.323	.44728	1.1000	.51162	.11659	.55169	8.3376	.40903	10.544	.23863
#1	-.00123	92.264	.08079	.06903	1.0897	.00501	-.00823	172.16	.00312	.07722
#2	-.00100	92.849	.07954	.06954	1.0915	.00497	-.00731	173.16	.00363	.07748
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13589**	**.17108**	**201.02**	**21.776**	**.09737**	**77.284**	**3.5822**	**.00732**	**4.2407**	**.24142**
Stddev	.00018	.00039	1.51	.017	.00234	.127	.0034	.00013	.0468	.00043
%RSD	.13310	.22937	.74937	.07727	2.4004	.16459	.09538	1.7554	1.1039	.17627
#1	.13576	.17136	199.95	21.765	.09903	77.194	3.5846	.00723	4.2076	.24112
#2	.13602	.17081	202.08	21.788	.09572	77.374	3.5798	.00741	4.2738	.24172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.3208**	**.15501**	**1.6865**	**-.00754**	**.00290**	**5.1306**	**.00285**	**.56131**	**.04513**	**1.4623**
Stddev	.0023	.00161	.0021	.00082	.00198	.0298	.00126	.00122	.00328	.0003
%RSD	.03591	1.0398	.12253	10.854	68.274	.58165	44.361	.21757	7.2709	.01687
#1	6.3192	.15387	1.6850	-.00812	.00150	5.1517	.00195	.56044	.04745	1.4621
#2	6.3224	.15615	1.6880	-.00696	.00431	5.1095	.00374	.56217	.04281	1.4624
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00126**	**.00387**	**.20509**	**.56333**	**.08445**
Stddev	.00021	.02450	.00083	.00269	.00024
%RSD	16.705	632.52	.40294	.47800	.28438
#1	.00141	-.01345	.20568	.56143	.08462
#2	.00111	.02119	.20451	.56524	.08428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4303.2**	**61912.**	**4893.8**
Stddev	3.6	173.	.7
%RSD	.08480	.28008	.01532
#1	4305.8	62034.	4894.3
#2	4300.6	61789.	4893.3

Sample Name: 280-19157-a-15-b Acquired: 8/25/2011 18:15:57 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00069	96.461	.06224	.07158	1.1320	.00512	-.00345	118.54	.00354	.08260
Stddev	.00032	.384	.00185	.00017	.0057	.00001	.00245	.61	.00008	.00054
%RSD	46.216	.39804	2.9799	.23150	.50766	.22789	71.028	.51783	2.2016	.65890
#1	-.00046	96.190	.06355	.07147	1.1279	.00511	-.00518	118.11	.00360	.08221
#2	-.00091	96.733	.06093	.07170	1.1360	.00513	-.00172	118.98	.00349	.08298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.14416	.15836	202.12	28.088	.09419	81.752	4.3031	.00697	3.2906	.26255
Stddev	.00014	.00025	.93	.233	.00059	.211	.0267	.00029	.0252	.00042
%RSD	.09604	.16093	.45805	.82959	.62538	.25795	.62060	4.1186	.76458	.16139
#1	.14406	.15818	201.46	27.924	.09461	81.602	4.3219	.00676	3.2728	.26285
#2	.14425	.15854	202.77	28.253	.09378	81.901	4.2842	.00717	3.3084	.26225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.1425	.15622	1.4381	-.00458	.00543	6.3332	.00155	.39472	.04633	2.9879
Stddev	.0067	.00017	.0119	.00185	.00054	.0753	.00049	.00271	.00140	.0008
%RSD	.09371	.10704	.82565	40.265	9.8456	1.1888	31.672	.68700	3.0192	.02835
#1	7.1472	.15610	1.4465	-.00328	.00581	6.3865	.00120	.39280	.04732	2.9873
#2	7.1378	.15634	1.4297	-.00589	.00506	6.2800	.00190	.39664	.04534	2.9885
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00234	-.00586	.16954	.54839	.11198
Stddev	.00055	.02898	.00260	.00195	.00270
%RSD	23.674	494.72	1.5328	.35500	2.4099
#1	.00273	-.02635	.16770	.54701	.11389
#2	.00195	.01464	.17138	.54976	.11007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4331.0	62559.	4879.0
Stddev	1.1	97.	2.1
%RSD	.02594	.15558	.04366
#1	4330.2	62627.	4880.5
#2	4331.8	62490.	4877.5

Sample Name: 280-19157-b-16-b Acquired: 8/25/2011 18:18:28 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00173**	**101.37**	**.06359**	**.07572**	**1.1716**	**.00523**	**-.00781**	**117.27**	**.00371**	**.08252**
Stddev	.00044	.06	.00240	.00089	.0033	.00001	.00061	.31	.00019	.00003
%RSD	25.458	.06254	3.7818	1.1714	.28505	.17443	7.7680	.26021	5.1435	.03990
#1	-.00141	101.42	.06529	.07509	1.1740	.00522	-.00824	117.48	.00385	.08250
#2	-.00204	101.33	.06189	.07635	1.1692	.00524	-.00738	117.05	.00358	.08254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14009**	**.16897**	**199.77**	**30.076**	**.09699**	**81.813**	**4.4850**	**.00717**	**3.5718**	**.25923**
Stddev	.00035	.00051	.22	.120	.00036	.056	.0415	.00012	.0115	.00011
%RSD	.25094	.30086	.10866	.39796	.37445	.06878	.92510	1.7059	.32243	.04254
#1	.13984	.16933	199.62	30.161	.09725	81.853	4.4556	.00708	3.5799	.25915
#2	.14034	.16861	199.92	29.991	.09674	81.774	4.5143	.00725	3.5636	.25930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.1194**	**.16581**	**1.5095**	**-.00612**	**.00082**	**7.2285**	**.00228**	**.41508**	**.05163**	**2.0890**
Stddev	.0082	.00130	.0071	.00263	.00194	.0118	.00002	.00154	.00105	.0075
%RSD	.11490	.78112	.47010	42.952	234.86	.16383	.72867	.37130	2.0328	.35912
#1	7.1137	.16673	1.5145	-.00798	.00219	7.2369	.00227	.41617	.05089	2.0943
#2	7.1252	.16490	1.5045	-.00426	-.00055	7.2202	.00229	.41399	.05237	2.0837
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00233**	**-.03355**	**.15634**	**.56482**	**.10569**
Stddev	.00061	.00971	.00044	.00003	.00029
%RSD	26.366	28.931	.27878	.00510	.27347
#1	.00276	-.04041	.15603	.56480	.10590
#2	.00189	-.02669	.15665	.56484	.10549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4343.3**	**62465.**	**4901.4**
Stddev	1.1	20.	5.6
%RSD	.02628	.03262	.11496
#1	4344.1	62450.	4905.4
#2	4342.5	62479.	4897.4

Sample Name: 280-19157-b-17-b Acquired: 8/25/2011 18:20:58 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00050**	**127.69**	**.05980**	**.10692**	**1.1061**	**.00586**	**-.00890**	**228.26**	**.00301**	**.07673**
Stddev	.00046	.14	.00061	.00020	.0018	.00002	.00193	2.88	.00012	.00001
%RSD	92.301	.10996	1.0169	.18940	.16114	.29444	21.664	1.2605	4.1035	.01847
#1	-.00017	127.79	.05937	.10678	1.1073	.00588	-.01027	230.30	.00292	.07674
#2	-.00082	127.59	.06023	.10706	1.1048	.00585	-.00754	226.23	.00309	.07672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15119**	**.16639**	**183.47**	**36.321**	**.12068**	**81.622**	**3.4592**	**.00501**	**7.7255**	**.24172**
Stddev	.00014	.00030	.94	.161	.00274	.066	.0031	.00059	.0271	.00007
%RSD	.09132	.17861	.51021	.44292	2.2733	.08071	.08929	11.852	.35084	.03029
#1	.15109	.16660	184.13	36.434	.12262	81.668	3.4614	.00543	7.7447	.24177
#2	.15128	.16618	182.81	36.207	.11875	81.575	3.4570	.00459	7.7064	.24166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.2187**	**.13094**	**1.2345**	**-.00614**	**.00148**	**4.3050**	**.00161**	**.59783**	**.04570**	**1.8984**
Stddev	.0035	.00108	.0010	.00158	.00648	.1225	.00021	.00104	.00244	.0034
%RSD	.06725	.82720	.08528	25.800	437.06	2.8458	13.058	.17329	5.3327	.18112
#1	5.2212	.13170	1.2352	-.00726	-.00310	4.3916	.00146	.59856	.04397	1.9008
#2	5.2163	.13017	1.2337	-.00502	.00607	4.2183	.00176	.59709	.04742	1.8960
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00274**	**-.01496**	**.22537**	**.52972**	**.10122**
Stddev	.00168	.02281	.00015	.00073	.00029
%RSD	61.359	152.49	.06479	.13859	.28511
#1	.00393	.00117	.22547	.53024	.10143
#2	.00155	-.03109	.22527	.52920	.10102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4254.6**	**61110.**	**4842.5**
Stddev	1.7	76.	9.7
%RSD	.04012	.12398	.20082
#1	4253.4	61056.	4835.7
#2	4255.8	61164.	4849.4

Sample Name: 280-19157-b-18-b Acquired: 8/25/2011 18:23:26 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**72.110**	**.07191**	**.05389**	**1.0317**	**.00433**	**-.00800**	**170.06**	**.00348**	**.07938**
Stddev	.00074	.045	.00455	.00066	.0015	.00003	.00006	.23	.00012	.00035
%RSD	162.84	.06264	6.3276	1.2258	.14300	.67341	.77986	.13765	3.3512	.43977
#1	.00007	72.078	.07512	.05436	1.0306	.00435	-.00795	169.89	.00356	.07913
#2	-.00098	72.142	.06869	.05342	1.0327	.00431	-.00804	170.23	.00340	.07962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12016**	**.16005**	**198.88**	**16.436**	**.07676**	**75.400**	**3.3058**	**.00664**	**3.3464**	**.28618**
Stddev	.00002	.00035	.42	.028	.00082	.103	.0038	.00029	.0053	.00028
%RSD	.01660	.22165	.20943	.17192	1.0694	.13713	.11565	4.4289	.15802	.09659
#1	.12017	.15980	198.59	16.416	.07734	75.473	3.3085	.00643	3.3426	.28638
#2	.12014	.16030	199.18	16.456	.07618	75.326	3.3031	.00685	3.3501	.28599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.8298**	**.14157**	**1.7079**	**-.00755**	**.00115**	**4.9870**	**.00258**	**.56272**	**.03654**	**1.4311**
Stddev	.0106	.00077	.0068	.00134	.00043	.0512	.00075	.00028	.00147	.0016
%RSD	.18232	.54466	.39939	17.685	37.665	1.0268	28.978	.05028	4.0285	.11255
#1	5.8223	.14103	1.7031	-.00661	.00084	5.0232	.00205	.56252	.03758	1.4323
#2	5.8373	.14212	1.7127	-.00850	.00146	4.9508	.00311	.56292	.03550	1.4300
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00096**	**.02925**	**.17846**	**.51680**	**.09239**
Stddev	.00026	.00662	.00049	.00071	.00681
%RSD	27.454	22.649	.27413	.13781	7.3734
#1	.00077	.02456	.17881	.51629	.09720
#2	.00115	.03393	.17812	.51730	.08757
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4291.2**	**62044.**	**4831.5**
Stddev	3.7	20.	23.2
%RSD	.08666	.03301	.48052
#1	4288.6	62029.	4847.9
#2	4293.8	62058.	4815.1

Sample Name: 280-19157-b-19-b Acquired: 8/25/2011 18:25:52 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**90.697**	**.07281**	**.07081**	**1.1483**	**.00490**	**-.00971**	**155.93**	**.00329**	**.08114**
Stddev	.00002	.209	.00022	.00108	.0002	.00007	.00094	.28	.00006	.00015
%RSD	3.3268	.23028	.30509	1.5228	.01362	1.5131	9.6763	.18179	1.6945	.19071
#1	-.00060	90.549	.07265	.07157	1.1485	.00485	-.01037	155.73	.00325	.08125
#2	-.00057	90.844	.07297	.07005	1.1482	.00496	-.00904	156.13	.00333	.08103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13709**	**.17848**	**206.32**	**22.976**	**.09112**	**81.564**	**3.6251**	**.00727**	**3.9326**	**.27805**
Stddev	.00015	.00085	.42	.031	.00038	.148	.0051	.00017	.0080	.00013
%RSD	.10877	.47784	.20141	.13357	.41828	.18201	.14013	2.3522	.20400	.04743
#1	.13699	.17908	206.03	22.955	.09139	81.669	3.6215	.00715	3.9269	.27796
#2	.13720	.17787	206.61	22.998	.09086	81.459	3.6287	.00739	3.9382	.27814
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.6315**	**.15702**	**2.1251**	**-.00642**	**.00359**	**5.1199**	**.00218**	**.56031**	**.03941**	**1.5487**
Stddev	.0088	.00091	.0070	.00305	.00196	.0391	.00148	.00014	.00009	.0022
%RSD	.13236	.57975	.33091	47.528	54.455	.76270	67.991	.02541	.22171	.13875
#1	6.6377	.15767	2.1301	-.00426	.00498	5.1475	.00113	.56020	.03935	1.5472
#2	6.6253	.15638	2.1202	-.00858	.00221	5.0923	.00322	.56041	.03947	1.5502
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00173**	**.01972**	**.18759**	**.60024**	**.09111**
Stddev	.00147	.00808	.00191	.00145	.00236
%RSD	84.973	40.959	1.0202	.24126	2.5920
#1	.00069	.02543	.18895	.60126	.09278
#2	.00276	.01401	.18624	.59921	.08944
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4316.6**	**62493.**	**4852.6**
Stddev	5.5	47.	11.1
%RSD	.12709	.07574	.22870
#1	4312.7	62460.	4860.4
#2	4320.4	62527.	4844.7

Sample Name: 280-19157-a-20-b Acquired: 8/25/2011 18:28:25 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**81.841**	**.06408**	**.06319**	**1.0477**	**.00451**	**-.00678**	**162.83**	**.00285**	**.07351**
Stddev	.00031	.125	.00084	.00006	.0021	.00001	.00225	.26	.00002	.00006
%RSD	95.916	.15316	1.3109	.09479	.19934	.16279	33.131	.16041	.55901	.08476
#1	-.00054	81.929	.06468	.06315	1.0492	.00452	-.00520	163.01	.00284	.07347
#2	-.00010	81.752	.06349	.06324	1.0462	.00451	-.00837	162.64	.00286	.07355
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12455**	**.15889**	**188.26**	**17.246**	**.08258**	**71.290**	**3.3473**	**.00632**	**6.3828**	**.24724**
Stddev	.00016	.00059	.10	.044	.00410	.039	.0029	.00000	.0021	.00049
%RSD	.12986	.36866	.05575	.25282	4.9706	.05484	.08624	.04913	.03206	.19996
#1	.12443	.15848	188.18	17.277	.07968	71.263	3.3452	.00631	6.3843	.24689
#2	.12466	.15931	188.33	17.216	.08548	71.318	3.3493	.00632	6.3814	.24759
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.6937**	**.13242**	**2.7422**	**-.00440**	**.00050**	**4.4771**	**.00149**	**.53678**	**.04002**	**1.5601**
Stddev	.0020	.00182	.0053	.00072	.00198	.0671	.00048	.00069	.00119	.0053
%RSD	.03504	1.3747	.19368	16.389	391.73	1.4981	32.098	.12850	2.9784	.33976
#1	5.6923	.13370	2.7460	-.00389	.00190	4.5245	.00115	.53727	.03917	1.5564
#2	5.6951	.13113	2.7384	-.00491	-.00089	4.4297	.00183	.53629	.04086	1.5639
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00239**	**.02213**	**.19300**	**.51321**	**.07631**
Stddev	.00017	.01823	.00057	.00130	.00236
%RSD	6.9322	82.363	.29285	.25409	3.0971
#1	.00251	.03502	.19260	.51229	.07464
#2	.00227	.00924	.19340	.51413	.07798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4283.2**	**62198.**	**4833.5**
Stddev	2.2	93.	1.1
%RSD	.05124	.14935	.02176
#1	4284.8	62132.	4832.8
#2	4281.7	62264.	4834.3

Sample Name: 280-19157-b-21-b Acquired: 8/25/2011 18:30:54 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00067**	**77.116**	**.10321**	**.05303**	**1.1436**	**.00511**	**-.00982**	**139.01**	**.00322**	**.10516**
Stddev	.00025	.161	.00619	.00017	.0015	.00016	.00262	.36	.00010	.00026
%RSD	36.953	.20882	6.0018	.32467	.12891	3.1257	26.682	.25617	2.9865	.25134
#1	-.00085	77.230	.09883	.05315	1.1447	.00522	-.01167	139.26	.00329	.10498
#2	-.00050	77.002	.10759	.05291	1.1426	.00499	-.00797	138.76	.00315	.10535
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14143**	**.19247**	**259.69**	**16.924**	**.08341**	**99.187**	**4.0191**	**.00716**	**3.7430**	**.40320**
Stddev	.00018	.00025	.66	.028	.00056	.159	.0140	.00046	.0090	.00034
%RSD	.12773	.12893	.25348	.16247	.66720	.16007	.34876	6.4381	.24056	.08389
#1	.14156	.19265	260.15	16.904	.08381	99.299	4.0290	.00749	3.7494	.40344
#2	.14130	.19230	259.22	16.943	.08302	99.075	4.0092	.00684	3.7367	.40296
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.2699**	**.16664**	**1.6359**	**-.00888**	**.00425**	**5.8003**	**.00201**	**.49963**	**.03699**	**2.5626**
Stddev	.0045	.00146	.0029	.00081	.00157	.0882	.00149	.00154	.00191	.0079
%RSD	.06196	.87716	.17744	9.1606	36.955	1.5198	74.205	.30794	5.1584	.30975
#1	7.2667	.16561	1.6338	-.00830	.00314	5.8626	.00096	.50071	.03834	2.5682
#2	7.2731	.16767	1.6379	-.00945	.00536	5.7379	.00307	.49854	.03564	2.5570
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00129**	**.06217**	**.24869**	**.57249**	**.11220**
Stddev	.00088	.01755	.00084	.00162	.00156
%RSD	67.731	28.235	.33716	.28346	1.3928
#1	.00191	.04976	.24928	.57134	.11331
#2	.00067	.07459	.24809	.57364	.11110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4336.8**	**62952.**	**4891.8**
Stddev	5.1	16.	26.0
%RSD	.11738	.02507	.53206
#1	4340.4	62963.	4873.4
#2	4333.2	62941.	4910.2

Sample Name: CCVH-940568 Acquired: 8/25/2011 18:33:26 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02265**	**50.069**	**-.00249**	**.00076**	**.00068**	**-.00004**	**.98337**	**.03271**	**-.00098**	**.00208**	**.00023**	**-.00312**	**51.968**
Stddev	.00022	.078	.00014	.00004	.00000	.00002	.00790	.00209	.00007	.00002	.00018	.00010	.122
%RSD	.98096	.15523	5.5570	5.3445	.61433	37.564	.80323	6.3950	6.7309	1.0661	76.725	3.2354	.23476
#1	-.02249	50.014	-.00259	.00079	.00068	-.00005	.98896	.03123	-.00093	.00207	.00010	-.00305	51.882
#2	-.02281	50.124	-.00239	.00073	.00068	-.00003	.97779	.03419	-.00102	.00210	.00035	-.00319	52.054
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16876**	**.00531**	**-.09483**	**.01165**	**-.00246**	**262.67**	**.00171**	**.00495**	**.00066**	**5.0411**	**-.01037**	**.01460**	**.05187**
Stddev	.02244	.00113	.00101	.00011	.00010	.86	.00017	.00618	.00309	.0096	.00127	.00310	.00150
%RSD	13.296	21.250	1.0622	.97255	4.1567	.32670	9.8862	124.69	470.93	.19115	12.287	21.195	2.8975
#1	.18462	.00451	-.09412	.01157	-.00253	263.28	.00183	.00059	-.00153	5.0479	-.00947	.01679	.05080
#2	.15289	.00611	-.09554	.01173	-.00239	262.06	.00159	.00932	.00284	5.0343	-.01127	.01242	.05293
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00150**	**.00059**	**4.9719**	**.00460**	**.00269**	**10.653**	**-.00978**	**.00509**	**.02459**
Stddev	.00093	.00000	.0044	.00001	.00002	.019	.00044	.00028	.00369
%RSD	62.111	.56955	.08884	.20023	.56040	.17766	4.5430	5.5864	15.022
#1	.00216	.00059	4.9750	.00460	.00268	10.640	-.01010	.00489	.02198
#2	.00084	.00059	4.9687	.00461	.00271	10.667	-.00947	.00529	.02721
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3971.8**	**57424.**	**4301.0**
Stddev	8.3	55.	6.7
%RSD	.20988	.09551	.15592
#1	3965.9	57463.	4296.2
#2	3977.7	57386.	4305.7

Sample Name: CCV-940591 Acquired: 8/25/2011 18:35:56 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52269**	**.50181**	**1.0218**	**.51422**	**.51561**	**.51025**	**.00449**	**5.0316**	**.51903**	**.49941**	**.49889**	**.52240**	**2.5751**
Stddev	.00120	.00192	.0001	.00206	.00098	.00039	.00048	.0010	.00029	.00015	.00060	.00105	.0052
%RSD	.22930	.38358	.01239	.40150	.19096	.07636	10.573	.01988	.05505	.02912	.12090	.20117	.20029
#1	.52354	.50045	1.0217	.51276	.51491	.50997	.00483	5.0323	.51883	.49931	.49931	.52314	2.5715
#2	.52184	.50317	1.0219	.51568	.51630	.51052	.00416	5.0309	.51923	.49951	.49846	.52166	2.5788
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.452**	**1.0069**	**20.727**	**.52240**	**.51465**	**5.3118**	**.50796**	**.97291**	**1.0369**	**-.00140**	**1.0184**	**1.0185**	**5.0660**
Stddev	.089	.0076	.040	.00046	.00090	.0200	.00040	.00071	.0000	.00339	.0008	.0008	.0253
%RSD	.17600	.75952	.19102	.08772	.17493	.37678	.07968	.07310	.00188	241.66	.08086	.07352	.49935
#1	50.515	1.0015	20.755	.52272	.51529	5.2976	.50825	.97241	1.0370	-.00380	1.0190	1.0179	5.0839
#2	50.390	1.0123	20.699	.52207	.51401	5.3259	.50768	.97341	1.0369	.00099	1.0178	1.0190	5.0481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0200**	**.52159**	**-.00220**	**.50084**	**1.0106**	**.00929**	**.51923**	**.51848**	**.52875**
Stddev	.0001	.00091	.00077	.00052	.0033	.00678	.00070	.00032	.00020
%RSD	.01393	.17531	34.927	.10360	.32530	73.037	.13520	.06106	.03708
#1	1.0199	.52095	-.00274	.50120	1.0082	.00449	.51972	.51826	.52889
#2	1.0201	.52224	-.00165	.50047	1.0129	.01409	.51873	.51870	.52861
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4027.9**	**58960.**	**4287.4**
Stddev	8.6	16.	4.8
%RSD	.21424	.02732	.11126
#1	4021.8	58972.	4290.8
#2	4034.0	58949.	4284.0

Sample Name: CCB Acquired: 8/25/2011 18:38:18 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**.00014**	**.00202**	W **.00163**	**.00012**	**.00002**	**.00222**	**.00518**	**.00033**	**-.00004**	**.00024**
Stddev	.00024	.00111	.00639	.00019	.00047	.00002	.00080	.00651	.00030	.00028	.00038
%RSD	36.497	776.27	315.46	11.606	382.58	89.128	35.999	125.68	90.313	677.89	162.23
#1	.00084	-.00064	-.00249	.00176	.00046	.00001	.00166	.00978	.00012	-.00024	-.00003
#2	.00050	.00093	.00654	.00150	-.00021	.00004	.00279	.00058	.00054	.00016	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.00254**	**-.01089**	W **.00464**	**.00112**	**.00005**	**.00261**	**.00956**	**.00046**	**-.00241**	**-.00042**
Stddev	.00001	.00131	.00727	.00490	.00086	.00001	.00094	.00331	.00018	.00092	.00003
%RSD	2.5424	51.561	66.755	105.48	76.388	26.475	36.083	34.603	38.990	38.107	7.5741
#1	-.00026	.00346	-.00575	.00810	.00173	.00004	.00195	.00722	.00033	-.00306	-.00040
#2	-.00027	.00161	-.01603	.00118	.00052	.00006	.00328	.01190	.00058	-.00176	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00091**	F **.00952**	W **.00519**	**.00982**	**.00050**	**.00019**	**-.00070**	**.00043**	**-.00034**	**.01108**	**.00041**
Stddev	.00216	.00213	.00057	.01417	.00045	.00010	.00088	.00024	.00154	.01980	.00009
%RSD	238.06	22.420	10.953	144.29	91.422	49.739	124.96	55.112	447.41	178.65	20.870
#1	.00062	.00801	.00479	-.00020	.00018	.00013	-.00008	.00026	.00075	-.00292	.00047
#2	-.00244	.01103	.00559	.01983	.00082	.00026	-.00132	.00060	-.00144	.02508	.00035
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00179**	**.00143**
Stddev	.00010	.00035
%RSD	5.5891	24.361
#1	.00171	.00119
#2	.00186	.00168
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4059.3**	**60272.**	**4259.2**
Stddev	3.8	167.	12.8
%RSD	.09380	.27763	.29938
#1	4056.6	60153.	4250.2
#2	4061.9	60390.	4268.2

Sample Name: CCVL-942742 Acquired: 8/25/2011 18:40:53 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01071**	**.10292**	**.01484**	**.10218**	**.01028**	**.00092**	W **.12765**	**.20874**	**.00536**	**.01025**	**.01013**
Stddev	.00007	.00055	.00329	.00008	.00024	.00009	.00017	.00103	.00003	.00008	.00003
%RSD	.64861	.53530	22.196	.07345	2.3281	9.6304	.12948	.49430	.64483	.73865	.26618
#1	.01066	.10253	.01717	.10212	.01011	.00098	.12776	.20801	.00534	.01020	.01011
#2	.01076	.10331	.01251	.10223	.01045	.00086	.12753	.20947	.00539	.01031	.01015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							20.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01621**	**.10961**	**3.0708**	F **.01561**	**.21925**	**.01101**	**.01994**	**1.1210**	**.04222**	**2.8228**	**.00973**
Stddev	.00002	.00392	.0304	.00004	.00026	.00001	.00013	.0081	.00006	.0015	.00170
%RSD	.13577	3.5741	.99098	.23333	.11950	.11929	.65745	.71979	.14404	.05187	17.427
#1	.01622	.10684	3.0493	.01558	.21906	.01102	.01985	1.1267	.04226	2.8218	.01093
#2	.01619	.11238	3.0923	.01563	.21943	.01100	.02003	1.1153	.04217	2.8239	.00853
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00045**	**.01063**	**.01455**	**.49089**	**.10139**	**.01088**	W **.01186**	**.01008**	**.01763**	F **.12889**	**.01029**
Stddev	.00201	.00118	.00317	.00800	.00002	.00011	.00024	.00028	.00157	.00432	.00027
%RSD	443.23	11.118	21.771	1.6293	.02253	1.0136	2.0352	2.7838	8.9235	3.3523	2.6269
#1	.00097	.00979	.01679	.48524	.10140	.01096	.01169	.00988	.01651	.13194	.01048
#2	-.00187	.01146	.01231	.49655	.10137	.01081	.01203	.01028	.01874	.12583	.01010
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value							.01500			.06000	
Range							-20.000%			30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02277**	W **.01831**
Stddev	.00045	.00237
%RSD	1.9635	12.917
#1	.02309	.01998
#2	.02246	.01664
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4151.4**	**60976.**	**4331.1**
Stddev	1.5	41.	12.2
%RSD	.03553	.06805	.28094
#1	4150.4	60946.	4339.7
#2	4152.5	61005.	4322.5

Sample Name: mb 280-82676/1-b Acquired: 8/25/2011 18:43:26 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82824 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00080	.00069	.00037	.00025	-.00036	-.00001	.00130	.00706	.00000	-.00004
Stddev	.00035	.00004	.00214	.00045	.00039	.00000	.00306	.00482	.00002	.00003
%RSD	43.902	5.3300	582.56	184.36	109.40	34.196	235.22	68.243	427.79	57.642
#1	.00105	.00066	-.00115	-.00007	-.00064	-.00001	.00346	.00365	-.00001	-.00006
#2	.00055	.00071	.00188	.00057	-.00008	-.00001	-.00086	.01046	.00002	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00014	.00018	.00286	-.01337	W .00430	.00239	.00022	-.00002	-.01166	.00033
Stddev	.00001	.00020	.00130	.03438	.00186	.00059	.00000	.00026	.02661	.00030
%RSD	7.3496	108.03	45.536	257.05	43.217	24.764	1.0121	1620.4	228.27	91.103
#1	-.00013	.00004	.00194	-.03768	.00561	.00281	.00022	-.00020	-.03048	.00055
#2	-.00015	.00032	.00379	.01093	.00299	.00197	.00022	.00017	.00716	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00261					
Low Limit					-.00261					

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00145	.00059	.00438	.00103	-.00037	-.00444	.00029	-.00001	-.00180	.00004
Stddev	.00109	.00064	.00804	.00218	.00094	.02418	.00036	.00001	.00155	.00016
%RSD	75.223	108.22	183.46	210.52	253.74	544.50	122.46	102.61	86.352	409.79
#1	-.00222	.00104	-.00130	.00258	-.00104	.01266	.00004	-.00002	-.00289	-.00007
#2	-.00068	.00014	.01007	-.00051	.00030	-.02154	.00055	.00000	-.00070	.00015
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00051	.01514	-.00020	.00103	.00120
Stddev	.00032	.02267	.00029	.00002	.00230
%RSD	62.763	149.72	144.54	2.4144	191.88
#1	.00074	.03117	-.00041	.00101	.00282
#2	.00028	-.00089	.00000	.00104	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4151.9	61268.	4359.7
Stddev	1.7	43.	10.9
%RSD	.04191	.07076	.25113
#1	4153.1	61298.	4367.4
#2	4150.6	61237.	4352.0

Sample Name: lcs 280-82676/2-b Acquired: 8/25/2011 18:46:02 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82824 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05214**	**1.9714**	F **1.1086**	**1.0180**	**2.2185**	**.05457**	F **2.4983**	**52.708**	F **.11386**	**.51938**
Stddev	.00004	.0225	.0072	.0004	.0027	.00004	.0059	.094	.00012	.00078
%RSD	.07529	1.1418	.64698	.03763	.12314	.07032	.23482	.17804	.10704	.14943
#1	.05211	1.9873	1.1035	1.0182	2.2165	.05454	2.5024	52.642	.11395	.51993
#2	.05216	1.9555	1.1136	1.0177	2.2204	.05460	2.4941	52.775	.11378	.51883
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit			1.0900				2.2000		.11000	
Low Limit			.86000				1.8000		.08700	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21188**	**.27874**	**1.0799**	**54.784**	**1.0852**	**55.179**	F **.55430**	**1.0438**	F **57.632**	**.52569**
Stddev	.00019	.00009	.0011	.114	.0019	.003	.00059	.0000	.409	.00041
%RSD	.09179	.03408	.10000	.20723	.17931	.00552	.10640	.00158	.70935	.07745
#1	.21202	.27881	1.0807	54.703	1.0838	55.181	.55472	1.0438	57.342	.52598
#2	.21175	.27867	1.0792	54.864	1.0866	55.177	.55388	1.0438	57.921	.52540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit							.55000		56.000	
Low Limit							.45000		45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.581**	**.54307**	**-.00528**	**.52033**	F **2.2183**	**9.9424**	**2.0357**	F **1.1239**	**1.0678**	**1.0299**
Stddev	.026	.00050	.00175	.00107	.0042	.0751	.0018	.0013	.0028	.0007
%RSD	.24283	.09165	33.248	.20656	.18955	.75529	.08774	.11120	.25871	.06411
#1	10.599	.54342	-.00404	.51957	2.2153	9.8893	2.0369	1.1230	1.0698	1.0303
#2	10.563	.54272	-.00652	.52109	2.2213	9.9955	2.0344	1.1248	1.0659	1.0294
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit					2.2000			1.1000		
Low Limit					1.8000			.91000		

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.1132**	F **2.3693**	F **.56267**	F **.55141**	**.54058**
Stddev	.0035	.0035	.00040	.00044	.00369
%RSD	.16678	.14899	.07108	.08069	.68278
#1	2.1107	2.3668	.56295	.55173	.54319
#2	2.1157	2.3717	.56239	.55110	.53797
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass
High Limit		2.3200	.56000	.55000	
Low Limit		1.7000	.44000	.42500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3973.2**	**57550.**	**4354.9**
Stddev	5.3	189.	3.7
%RSD	.13284	.32755	.08434
#1	3969.5	57417.	4357.5
#2	3976.9	57683.	4352.3

Sample Name: 280-19390-c-1-e Acquired: 8/25/2011 18:48:20 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82824 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00017**	k **1.5246**	k **-.00023**	**.04831**	**.01359**	**.00373**	k **-.00781**	**242.20**	k **.01050**	**.12166**
Stddev	.00077	.0114	.00239	.00048	.00036	.00002	.00036	.32	.00003	.00024
%RSD	460.03	.74599	1051.4	.98453	2.6210	.40299	4.6113	.13363	.27524	.19756
#1	k -.00071	k 1.5327	k -.00191	.04864	.01334	.00372	k -.00806	242.43	k .01048	.12183
#2	k .00038	k 1.5166	k .00146	.04797	.01384	.00374	k -.00756	241.97	k .01052	.12149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00037**	k **.31889**	k **123.52**	**7.5907**	**.03093**	**76.922**	F **25.062**	**.00268**	**36.131**	**.19396**
Stddev	.00014	.00063	.21	.0138	.00003	.014	.116	.00149	.356	.00005
%RSD	38.660	.19720	.16919	.18198	.09373	.01783	.46183	55.499	.98404	.02673
#1	k .00027	k .31845	k 123.37	7.5810	.03091	76.932	25.144	.00163	36.382	.19400
#2	k .00047	k .31934	k 123.67	7.6005	.03095	76.913	24.980	.00373	35.880	.19392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							20.000			
Low Limit							-.02000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00672**	k **.03256**	**402.34**	k **-.00773**	k **.00689**	**14.748**	k **.00945**	**2.0375**	k **.09739**	k **.00071**
Stddev	.00029	.00004	.01	.00048	.00286	.050	.00104	.0045	.00038	.00001
%RSD	4.3437	.13294	.00209	6.2497	41.507	.33712	11.017	.22306	.39150	1.9849
#1	.00652	k .03252	402.35	k -.00739	k .00487	14.713	k .00871	2.0343	k .09766	k .00070
#2	.00693	k .03259	402.34	k -.00807	k .00892	14.783	k .01019	2.0407	k .09712	k .00072
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **.01371**	kW **-.07278**	^ *****	**6.8499**	k **.00039**
Stddev	.00005	.00276	-----	.0074	.00006
%RSD	.38812	3.7975	-----	.10792	14.587
#1	k .01375	k -.07083	^ -----	6.8551	k .00043
#2	k .01367	k -.07474	^ -----	6.8446	k .00035
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4395.5**	**63713.**	**4910.1**
Stddev	2.4	59.	6.8
%RSD	.05476	.09227	.13766
#1	4397.2	63672.	4914.9
#2	4393.8	63755.	4905.4

Sample Name: 280-19414-c-1-b Acquired: 8/25/2011 18:50:59 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82824 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00038	4.9412	-.00109	.01772	.08844	.00022	.00133	10.252	.00034	.00042
Stddev	.00037	.0842	.00301	.00014	.00013	.00004	.00011	.050	.00019	.00002
%RSD	97.406	1.7030	275.89	.76997	.14393	17.221	8.2939	.48978	55.832	5.8623
#1	.00012	4.8817	.00104	.01782	.08853	.00019	.00126	10.216	.00021	.00044
#2	.00064	5.0007	-.00322	.01762	.08835	.00024	.00141	10.287	.00048	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00315	.00639	1.9331	5.1393	.00955	3.3096	.01664	.00080	8.2979	.00263
Stddev	.00007	.00035	.0052	.0082	.00083	.0030	.00000	.00047	.0104	.00045
%RSD	2.0734	5.4323	.27075	.15951	8.7156	.09111	.00138	59.201	.12483	16.973
#1	.00310	.00664	1.9368	5.1335	.01014	3.3074	.01664	.00046	8.2906	.00294
#2	.00319	.00615	1.9294	5.1451	.00896	3.3117	.01664	.00113	8.3052	.00231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05545	.00176	5.3047	-.00059	.00206	10.331	-.00051	.18219	.00033	.07853
Stddev	.00217	.00080	.0397	.00099	.00140	.011	.00047	.00001	.00039	.00027
%RSD	3.9193	45.455	.74780	169.16	67.725	.10618	91.036	.00458	118.52	.34374
#1	.05392	.00120	5.2767	.00011	.00107	10.323	-.00084	.18219	.00005	.07872
#2	.05699	.00233	5.3328	-.00129	.00305	10.339	-.00018	.18218	.00061	.07834
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00162	.00161	.00806	.01630	.00585
Stddev	.00192	.02710	.00071	.00034	.00344
%RSD	118.25	1683.8	8.7659	2.1055	58.737
#1	.00027	.02077	.00856	.01655	.00828
#2	.00298	-.01755	.00756	.01606	.00342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4149.5	60594.	4456.5
Stddev	.5	2.	15.9
%RSD	.01179	.00408	.35603
#1	4149.9	60596.	4467.7
#2	4149.2	60592.	4445.2

Sample Name: 280-19414-c-2-b Acquired: 8/25/2011 18:53:29 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82824 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.33245**	**.00090**	**.01816**	**.08237**	**-.00002**	**.00108**	**20.175**	**.00017**	**.00011**
Stddev	.00004	.00430	.00082	.00036	.00002	.00004	.00285	.035	.00002	.00005
%RSD	28.150	1.2941	91.602	2.0069	.02135	167.84	264.55	.17368	13.135	44.951
#1	-.00011	.32940	.00032	.01790	.08236	.00000	.00309	20.200	.00019	.00007
#2	-.00017	.33549	.00148	.01842	.08238	-.00005	-.00094	20.150	.00016	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00409**	**.30557**	**4.1291**	**.00865**	**6.3208**	**.00194**	**.00077**	**21.082**	**.00143**
Stddev	.00008	.00019	.00069	.0314	.00168	.0127	.00001	.00033	.019	.00032
%RSD	12.874	4.5917	.22724	.76066	19.373	.20023	.74070	42.214	.08923	22.613
#1	.00053	.00396	.30606	4.1513	.00983	6.3298	.00193	.00054	21.068	.00120
#2	.00064	.00422	.30508	4.1069	.00746	6.3119	.00195	.00101	21.095	.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02609**	**-.00148**	**13.049**	**-.00316**	**.00175**	**3.8540**	**.00013**	**.38209**	**-.00124**	**.06397**
Stddev	.00183	.00056	.010	.00033	.00037	.0249	.00050	.00033	.00115	.00044
%RSD	7.0328	38.134	.08036	10.565	20.938	.64655	389.47	.08737	92.539	.69094
#1	.02739	-.00188	13.056	-.00340	.00149	3.8364	.00048	.38185	-.00206	.06428
#2	.02479	-.00108	13.041	-.00292	.00201	3.8716	-.00022	.38232	-.00043	.06366
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00185**	**.02486**	**.00219**	**.00474**	**.00521**
Stddev	.00042	.02777	.00027	.00016	.00107
%RSD	22.853	111.72	12.489	3.3211	20.611
#1	.00215	.04450	.00238	.00485	.00445
#2	.00155	.00522	.00200	.00463	.00596
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4106.2**	**60108.**	**4425.8**
Stddev	6.0	241.	8.0
%RSD	.14704	.40013	.18002
#1	4101.9	59938.	4420.2
#2	4110.5	60278.	4431.4

Sample Name: 280-19414-c-3-b Acquired: 8/25/2011 18:56:02 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82824 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00109	.39168	.00038	.02253	.09276	-.00005	.00370	39.680	.00033	-.00021
Stddev	.00080	.00044	.00284	.00033	.00077	.00000	.00212	.189	.00015	.00023
%RSD	73.256	.11234	744.11	1.4457	.83115	.00917	57.267	.47638	44.395	109.42
#1	.00053	.39199	-.00163	.02230	.09221	-.00005	.00520	39.547	.00043	-.00038
#2	.00166	.39137	.00239	.02276	.09330	-.00005	.00220	39.814	.00023	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00076	.00214	.25224	2.2296	.01325	9.8518	.00404	.00110	19.430	.00090
Stddev	.00008	.00037	.00064	.0712	.00516	.2250	.00010	.00019	.055	.00040
%RSD	10.886	17.450	.25546	3.1954	38.988	2.2835	2.5704	17.456	.28402	44.779
#1	.00071	.00188	.25270	2.1793	.01690	9.6927	.00397	.00096	19.391	.00061
#2	.00082	.00241	.25179	2.2800	.00959	10.011	.00411	.00123	19.469	.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01247	-.00020	17.919	-.00002	.00234	5.4559	-.00075	.42079	-.00228	.01421
Stddev	.00231	.00001	.111	.00223	.00294	.0241	.00051	.00199	.00066	.00027
%RSD	18.524	3.7769	.62020	10983.	125.34	.44250	68.138	.47369	29.092	1.9069
#1	.01083	-.00020	17.841	.00156	.00027	5.4389	-.00111	.41939	-.00181	.01440
#2	.01410	-.00019	17.998	-.00160	.00442	5.4730	-.00039	.42220	-.00275	.01402
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00186	.01438	.00180	.01277	.00480
Stddev	.00122	.01910	.00081	.00103	.00116
%RSD	65.895	132.80	45.022	8.0549	24.230
#1	.00272	.02789	.00237	.01204	.00398
#2	.00099	.00088	.00123	.01349	.00562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4089.1	59138.	4423.5
Stddev	18.6	784.	4.1
%RSD	.45446	1.3252	.09342
#1	4102.2	59692.	4426.5
#2	4076.0	58584.	4420.6

Sample Name: 280-19414-c-3-bSD@5 Acquired: 8/25/2011 18:58:34 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82824 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00010	.08260	.00135	.00440	.01823	-.00002	.00013	7.9502	.00015	-.00023
Stddev	.00002	.00257	.00176	.00006	.00031	.00010	.00262	.0210	.00018	.00013
%RSD	25.896	3.1119	130.23	1.4212	1.6895	462.55	2024.0	.26443	119.74	54.237
#1	.00008	.08079	.00260	.00445	.01801	.00005	-.00172	7.9354	.00002	-.00032
#2	.00011	.08442	.00011	.00436	.01845	-.00009	.00198	7.9651	.00027	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	.00065	.04993	.43583	.00531	1.9877	.00081	-.00010	3.7541	.00024
Stddev	.00007	.00024	.00345	.06822	.00073	.0057	.00008	.00022	.0091	.00001
%RSD	32.630	36.656	6.9089	15.654	13.745	.28916	10.366	206.83	.24290	3.0492
#1	.00028	.00048	.05237	.48408	.00583	1.9836	.00075	-.00026	3.7477	.00024
#2	.00017	.00082	.04749	.38759	.00480	1.9917	.00087	.00005	3.7606	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00041	-.00016	3.5449	-.00018	.00067	1.0790	.00036	.08466	-.00067	.00284
Stddev	.00159	.00214	.0005	.00005	.00128	.0084	.00113	.00019	.00119	.00023
%RSD	388.84	1329.7	.01456	24.781	191.54	.77763	311.01	.22411	178.19	8.1592
#1	.00071	.00135	3.5453	-.00015	.00158	1.0849	-.00044	.08453	-.00151	.00268
#2	-.00153	-.00167	3.5446	-.00022	-.00024	1.0730	.00117	.08480	.00017	.00301
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00030	-.00267	.00057	.00290	.00298
Stddev	.00048	.03735	.00011	.00032	.00194
%RSD	159.10	1397.7	19.561	11.137	65.094
#1	.00004	.02374	.00049	.00267	.00435
#2	-.00064	-.02909	.00065	.00313	.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4128.0	60698.	4403.8
Stddev	8.0	84.	7.8
%RSD	.19457	.13920	.17651
#1	4122.4	60758.	4398.4
#2	4133.7	60638.	4409.3

Sample Name: 280-19414-c-3-c ms Acquired: 8/25/2011 19:01:09 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82824 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05018**	**2.2650**	**1.0620**	**1.0510**	**2.1951**	**.05162**	**2.3634**	**89.317**	**.10846**	**.49224**
Stddev	.00106	.0157	.0004	.0047	.0042	.00015	.0089	.211	.00043	.00139
%RSD	2.1193	.69177	.03834	.45130	.19022	.29638	.37853	.23649	.39929	.28252
#1	.05093	2.2761	1.0617	1.0476	2.1981	.05173	2.3570	89.466	.10815	.49126
#2	.04943	2.2539	1.0622	1.0543	2.1922	.05152	2.3697	89.167	.10877	.49323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20260**	**.26700**	**1.2693**	**54.539**	**1.0451**	**61.712**	**.52734**	**1.0587**	**73.052**	**.49710**
Stddev	.00003	.00111	.0002	.094	.0009	.016	.00011	.0028	.075	.00102
%RSD	.01630	.41436	.01514	.17279	.08355	.02540	.02048	.26838	.10231	.20557
#1	.20257	.26622	1.2692	54.606	1.0457	61.701	.52741	1.0567	73.105	.49638
#2	.20262	.26778	1.2694	54.473	1.0444	61.723	.52726	1.0607	72.999	.49783
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.113**	**.51326**	**18.535**	**.52912**	**2.1020**	**15.521**	**2.0635**	**1.4896**	**1.0186**	**1.0564**
Stddev	.007	.00354	.054	.00553	.0077	.035	.0045	.0022	.0001	.0016
%RSD	.07275	.68975	.29094	1.0450	.36710	.22505	.21917	.14630	.01118	.15161
#1	10.118	.51076	18.497	.52521	2.0965	15.497	2.0603	1.4912	1.0187	1.0552
#2	10.108	.51577	18.574	.53303	2.1074	15.546	2.0667	1.4881	1.0185	1.0575
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9974**	**2.2435**	**.54034**	**.52221**	**.54308**
Stddev	.0088	.0240	.00061	.00079	.00192
%RSD	.44075	1.0712	.11346	.15112	.35292
#1	1.9912	2.2605	.54078	.52277	.54443
#2	2.0036	2.2265	.53991	.52165	.54172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3961.6**	**57257.**	**4389.2**
Stddev	2.0	49.	16.9
%RSD	.05009	.08620	.38587
#1	3963.0	57222.	4401.2
#2	3960.2	57292.	4377.3

Sample Name: 280-19414-c-3-d msd Acquired: 8/25/2011 19:03:28 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82824 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04966**	**2.2330**	**1.0494**	**1.0402**	**2.1684**	**.05114**	**2.3306**	**87.986**	**.10726**	**.48514**
Stddev	.00030	.0148	.0045	.0024	.0023	.00006	.0015	.003	.00002	.00021
%RSD	.60074	.66182	.43043	.23038	.10494	.12029	.06493	.00324	.01660	.04270
#1	.04988	2.2435	1.0462	1.0419	2.1700	.05109	2.3317	87.988	.10724	.48529
#2	.04945	2.2226	1.0526	1.0385	2.1668	.05118	2.3295	87.984	.10727	.48500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19943**	**.26251**	**1.2420**	**53.843**	**1.0312**	**60.859**	**.52111**	**1.0516**	**72.584**	**.49086**
Stddev	.00064	.00019	.0056	.026	.0014	.059	.00038	.0017	.086	.00078
%RSD	.31950	.07154	.45297	.04888	.13846	.09658	.07284	.15740	.11907	.15797
#1	.19898	.26237	1.2460	53.862	1.0302	60.818	.52084	1.0527	72.645	.49140
#2	.19988	.26264	1.2380	53.824	1.0322	60.901	.52138	1.0504	72.523	.49031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9849**	**.50372**	**18.306**	**.52170**	**2.0839**	**15.403**	**2.0419**	**1.4712**	**1.0071**	**1.0419**
Stddev	.0052	.00149	.036	.00078	.0035	.015	.0001	.0002	.0011	.0004
%RSD	.05203	.29541	.19801	.14964	.16952	.09554	.00713	.01438	.10541	.03971
#1	9.9813	.50266	18.331	.52225	2.0814	15.393	2.0420	1.4714	1.0064	1.0422
#2	9.9886	.50477	18.280	.52115	2.0864	15.414	2.0418	1.4711	1.0079	1.0416
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9621**	**2.2131**	**.53214**	**.51403**	**.53919**
Stddev	.0006	.0061	.00074	.00031	.00005
%RSD	.02882	.27497	.13891	.06017	.00994
#1	1.9617	2.2088	.53267	.51381	.53915
#2	1.9625	2.2174	.53162	.51424	.53923
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3968.3**	**57439.**	**4401.5**
Stddev	.7	30.	9.6
%RSD	.01662	.05297	.21736
#1	3968.8	57460.	4408.2
#2	3967.9	57417.	4394.7

Sample Name: CCVH-940568 Acquired: 8/25/2011 19:05:46 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02228**	**49.648**	**-.00048**	**.00465**	**.00166**	**.00083**	**.98626**	**.14387**	**.00019**	**.00301**	**.00112**	**-.00216**	**50.816**
Stddev	.00004	.041	.00162	.00083	.00004	.00003	.00070	.00286	.00011	.00000	.00003	.00030	.048
%RSD	.18909	.08219	339.45	17.801	2.6081	3.6796	.07068	1.9905	57.154	.10291	3.0918	14.055	.09493
#1	-.02225	49.677	-.00162	.00524	.00163	.00085	.98675	.14185	.00026	.00301	.00114	-.00237	50.782
#2	-.02231	49.619	.00067	.00407	.00169	.00081	.98577	.14590	.00011	.00300	.00109	-.00195	50.850
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32207**	**.00945**	**-.05181**	**.00473**	**.00434**	**264.72**	**.00274**	**.00465**	**.00108**	**5.0938**	**-.00771**	**.02394**	**.03535**
Stddev	.05348	.00456	.00397	.00009	.00181	.51	.00006	.00013	.00155	.0070	.00061	.00289	.01277
%RSD	16.606	48.306	7.6668	1.8118	41.619	.19390	2.2007	2.8627	144.44	.13750	7.9233	12.061	36.122
#1	.35989	.00622	-.05462	.00467	.00306	265.09	.00270	.00456	.00217	5.0988	-.00814	.02189	.02632
#2	.28426	.01267	-.04900	.00479	.00562	264.36	.00278	.00475	-.00002	5.0889	-.00728	.02598	.04438
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00445**	**.00171**	**4.9526**	**.00513**	**.00591**	**10.669**	**-.00894**	**.03038**	**.02188**
Stddev	.00095	.00012	.0031	.00022	.00367	.030	.00035	.00035	.00291
%RSD	21.307	7.0323	.06161	4.3513	62.225	.28267	3.9055	1.1473	13.283
#1	.00378	.00179	4.9504	.00528	.00850	10.690	-.00869	.03063	.01982
#2	.00512	.00162	4.9548	.00497	.00331	10.648	-.00919	.03013	.02393
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3973.5**	**57398.**	**4334.3**
Stddev	3.7	99.	5.9
%RSD	.09378	.17185	.13529
#1	3970.9	57329.	4338.4
#2	3976.2	57468.	4330.2

Sample Name: CCV-940591 Acquired: 8/25/2011 19:08:16 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52398**	**.50041**	**1.0288**	**.51546**	**.51619**	**.50948**	**.00242**	**4.9856**	**.51901**	**.49764**	**.49760**	**.52331**	**2.5603**	**50.586**
Stddev	.00242	.00469	.0021	.00033	.00021	.00160	.00220	.0146	.00016	.00023	.00049	.00036	.0073	.055
%RSD	.46254	.93734	.19937	.06452	.04089	.31454	90.801	.29204	.03027	.04577	.09771	.06921	.28670	.10922
#1	.52227	.49709	1.0302	.51523	.51604	.50834	.00398	4.9753	.51913	.49747	.49726	.52306	2.5551	50.547
#2	.52569	.50372	1.0273	.51570	.51634	.51061	.00087	4.9959	.51890	.49780	.49795	.52357	2.5654	50.625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0117**	**20.759**	**.52362**	**.51569**	**5.3798**	**.50630**	**.96935**	**1.0362**	**.00563**	**1.0150**	**1.0237**	**5.0330**	**1.0183**	**.52248**
Stddev	.0036	.064	.00127	.00099	.0031	.00055	.00236	.0018	.00219	.0019	.0011	.0374	.0011	.00128
%RSD	.35489	.30645	.24162	.19277	.05824	.10779	.24311	.17619	38.870	.19052	.10392	.74262	.10944	.24467
#1	1.0142	20.714	.52273	.51639	5.3820	.50668	.96769	1.0375	.00409	1.0164	1.0230	5.0066	1.0191	.52157
#2	1.0091	20.804	.52451	.51499	5.3776	.50591	.97102	1.0349	.00718	1.0137	1.0245	5.0595	1.0175	.52338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.49824**	**1.0115**	**.03220**	**.52052**	**.51799**	**.52588**
Stddev	.00249	.00091	.0017	.01838	.00241	.00101	.00535
%RSD	420.69	.18360	.16702	57.091	.46292	.19413	1.0178
#1	.00236	.49759	1.0103	.01920	.51882	.51727	.52210
#2	-.00117	.49889	1.0126	.04520	.52222	.51870	.52967
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4076.2**	**59567.**	**4338.5**
Stddev	.5	140.	6.4
%RSD	.01266	.23559	.14808
#1	4076.6	59666.	4334.0
#2	4075.8	59468.	4343.1

Sample Name: CCB Acquired: 8/25/2011 19:10:38 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**.00080**	**-.00114**	**.00150**	**-.00036**	**-.00012**	**.00390**	**.00160**	**.00015**	**.00018**	**.00013**	**-.00058**
Stddev	.00018	.00025	.00129	.00003	.00036	.00008	.00192	.00186	.00002	.00018	.00019	.00019
%RSD	19.572	31.123	112.46	2.0732	100.91	62.965	49.192	115.96	15.753	98.228	140.74	32.349
#1	.00103	.00098	-.00205	.00148	-.00062	-.00018	.00525	.00029	.00017	.00031	.00027	-.00045
#2	.00078	.00063	-.00023	.00153	-.00010	-.00007	.00254	.00292	.00014	.00006	.00000	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.08051**	F **.00559**	**-.00089**	**-.00002**	**.00260**	**.02915**	**.00014**	**-.00019**	**-.00031**	**.00873**	F **.00731**
Stddev	.00021	.03400	.00457	.00076	.00002	.00082	.01558	.00054	.00015	.00101	.00492	.00025
%RSD	138.22	42.226	81.841	84.764	80.908	31.670	53.457	398.88	76.625	322.27	56.275	3.3676
#1	-.00030	.10455	.00882	-.00036	-.00001	.00202	.01813	-.00025	-.00009	-.00103	.00526	.00714
#2	.00000	.05647	.00235	-.00143	-.00004	.00318	.04017	.00052	-.00029	.00040	.01221	.00748
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail
High Limit			.00522									.00628
Low Limit			-.00522									-.00628

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00477**	**.00279**	**.00055**	**.00026**	**-.00062**	**.00008**	**.00133**	**.02199**	**.00037**	**.00153**	**.00220**
Stddev	.00279	.00576	.00104	.00011	.00043	.00030	.00047	.01861	.00065	.00002	.00210
%RSD	58.493	206.55	191.19	43.422	70.085	372.38	34.880	84.625	174.98	.99341	95.098
#1	.00280	.00686	-.00019	.00035	-.00092	-.00013	.00101	.03515	.00083	.00152	.00369
#2	.00674	-.00128	.00129	.00018	-.00031	.00030	.00166	.00883	-.00009	.00154	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4094.1**	**60711.**	**4323.3**
Stddev	2.8	134.	.7
%RSD	.06751	.22102	.01533
#1	4096.1	60616.	4322.8
#2	4092.2	60806.	4323.8

Sample Name: CCVL942742 Acquired: 8/25/2011 19:13:13 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01136**	**.10530**	**.01403**	**.10287**	**.01031**	**.00095**	F **.13248**	**.20807**	**.00551**	**.01051**	**.01035**
Stddev	.00041	.00003	.00236	.00043	.00029	.00005	.00140	.00052	.00007	.00002	.00011
%RSD	3.6015	.02843	16.846	.41681	2.8337	5.6911	1.0563	.25051	1.2261	.19413	1.0322
#1	.01165	.10528	.01570	.10317	.01051	.00099	.13149	.20844	.00547	.01050	.01027
#2	.01107	.10532	.01236	.10256	.01010	.00091	.13347	.20770	.00556	.01052	.01043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01669**	**.11208**	**3.1082**	F **.01517**	**.22075**	**.01118**	**.02040**	**1.1155**	**.04217**	**2.8453**	**.01004**
Stddev	.00023	.00083	.0252	.00017	.00089	.00003	.00002	.0167	.00027	.0031	.00108
%RSD	1.3597	.74208	.80986	1.1306	.40506	.29751	.11715	1.4942	.64442	.10971	10.771
#1	.01685	.11149	3.1260	.01505	.22012	.01116	.02042	1.1273	.04236	2.8475	.00928
#2	.01653	.11267	3.0904	.01529	.22138	.01120	.02039	1.1037	.04198	2.8431	.01081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00638**	**.00944**	**.01284**	**.48885**	**.10143**	**.01082**	**.01407**	**.01012**	W **.01824**	W **.07317**	**.01059**
Stddev	.00194	.00194	.00239	.00196	.00044	.00010	.00134	.00003	.00154	.01778	.00022
%RSD	30.469	20.536	18.588	.40103	.43351	.88400	9.4926	.27774	8.4394	24.302	2.0935
#1	.00500	.00807	.01116	.48747	.10174	.01089	.01313	.01014	.01715	.08574	.01074
#2	.00775	.01081	.01453	.49024	.10112	.01075	.01502	.01010	.01933	.06059	.01043
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
Value									.01500	.06000	
Range									20.000%	20.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02374**	**.01755**
Stddev	.00099	.00414
%RSD	4.1502	23.588
#1	.02305	.02048
#2	.02444	.01462
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4154.3**	**61285.**	**4390.9**
Stddev	4.3	83.	29.8
%RSD	.10237	.13485	.67791
#1	4151.3	61343.	4369.8
#2	4157.3	61226.	4411.9

Sample Name: mb 280-82610/1-a Acquired: 8/25/2011 19:15:47 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82610 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00024	.00273	-.00176	.00113	.00006	-.00002	-.00155	.00647	.00014	-.00010
Stddev	.00010	.00089	.00211	.00013	.00060	.00009	.00160	.00825	.00010	.00030
%RSD	41.676	32.708	120.00	11.653	1085.4	448.16	102.91	127.53	72.413	307.57
#1	-.00031	.00336	-.00326	.00104	-.00037	-.00008	-.00042	.01230	.00022	-.00031
#2	-.00017	.00210	-.00027	.00123	.00048	.00004	-.00269	.00064	.00007	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00000	.00055	.00401	.04652	.00161	-.00113	W .00032	.00042	.02308	.00043
Stddev	.00012	.00017	.00311	.02542	.00269	.00071	.00001	.00038	.00775	.00011
%RSD	4984.6	30.900	77.608	54.645	167.78	63.030	3.5932	90.574	33.595	24.722
#1	-.00008	.00043	.00181	.06449	.00351	-.00063	.00031	.00015	.01760	.00035
#2	.00009	.00067	.00621	.02854	-.00030	-.00163	.00033	.00069	.02856	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.00025			
Low Limit							-.00025			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00166	-.00213	.00419	.00139	-.00067	-.00997	.00025	.00011	-.00063	.00017
Stddev	.00128	.00008	.00361	.00008	.00272	.00440	.00103	.00011	.00013	.00025
%RSD	77.287	3.5940	86.066	5.8270	405.81	44.115	404.48	94.589	19.800	148.75
#1	-.00075	-.00208	.00674	.00144	.00125	-.01309	-.00047	.00019	-.00055	-.00001
#2	-.00256	-.00219	.00164	.00133	-.00259	-.00686	.00098	.00004	-.00072	.00035
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00102	W .02696	.00065	.00147	.00364
Stddev	.00052	.00756	.00006	.00026	.00129
%RSD	51.395	28.047	8.5209	17.728	35.442
#1	.00065	.03230	.00069	.00165	.00455
#2	.00139	.02161	.00061	.00128	.00273
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.01610			
Low Limit		-.01610			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4183.5	62138.	4440.6
Stddev	19.6	223.	27.8
%RSD	.46751	.35821	.62565
#1	4197.3	61981.	4420.9
#2	4169.7	62296.	4460.2

Sample Name: lcs 280-82610/2-a Acquired: 8/25/2011 19:18:23 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82610 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04706**	**1.7874**	**.97758**	**.95159**	**1.9769**	**.04837**	F **2.2232**	**46.766**	**.10111**	**.46412**
Stddev	.00001	.0131	.00525	.00280	.0016	.00000	.0012	.011	.00004	.00110
%RSD	.02878	.73489	.53704	.29439	.08196	.00100	.05285	.02409	.04338	.23805
#1	.04705	1.7967	.98129	.95357	1.9758	.04837	2.2241	46.758	.10108	.46490
#2	.04707	1.7781	.97387	.94961	1.9781	.04837	2.2224	46.774	.10114	.46334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18890**	**.24641**	**.96228**	**48.859**	**.96689**	**48.940**	**.48986**	**.97518**	**51.040**	**.46654**
Stddev	.00032	.00029	.00396	.072	.00231	.033	.00037	.00370	.067	.00202
%RSD	.16981	.11792	.41193	.14776	.23912	.06710	.07586	.37975	.13132	.43356
#1	.18913	.24662	.96508	48.808	.96525	48.963	.49012	.97780	50.993	.46797
#2	.18868	.24621	.95947	48.910	.96852	48.916	.48960	.97256	51.087	.46511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.4271**	**.48118**	**.00048**	**.48578**	**1.9640**	F **9.3497**	**1.9083**	**.99919**	**.94884**	**.96751**
Stddev	.0242	.00281	.00369	.00174	.0065	.0127	.0079	.00138	.00091	.00064
%RSD	.25654	.58387	760.66	.35865	.33007	.13569	.41477	.13790	.09581	.06576
#1	9.4442	.48317	.00309	.48701	1.9686	9.3407	1.9139	.99821	.94948	.96706
#2	9.4100	.47920	-.00212	.48454	1.9594	9.3587	1.9027	1.0002	.94819	.96796
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500				
Low Limit						9.4000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8961**	**2.0962**	**.49766**	**.48711**	**.50212**
Stddev	.0039	.0078	.00010	.00143	.00126
%RSD	.20498	.37379	.02026	.29349	.25096
#1	1.8989	2.0907	.49773	.48812	.50123
#2	1.8934	2.1017	.49758	.48610	.50301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3970.9**	**57861.**	**4329.1**
Stddev	5.9	125.	9.2
%RSD	.14774	.21626	.21281
#1	3966.8	57950.	4335.7
#2	3975.1	57773.	4322.6

Sample Name: 280-19390-e-1-b Acquired: 8/25/2011 19:20:43 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82610 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00049**	k **1.5952**	k **.00031**	**.04886**	k **.01377**	**.00390**	k **-.00935**	**249.30**	k **.01051**	**.12520**
Stddev	.00022	.0183	.00097	.00083	.00029	.00000	.00222	.87	.00007	.00023
%RSD	44.231	1.1464	315.55	1.7047	2.0989	.08126	23.685	.34969	.70430	.18564
#1	k -.00065	k 1.6081	k .00099	.04827	.01356	.00389	k -.01092	249.92	k .01045	.12504
#2	k -.00034	k 1.5823	k -.00038	.04945	k .01397	.00390	k -.00779	248.68	k .01056	.12537
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00032**	k **.32575**	k **127.15**	**7.7815**	**.02907**	**78.544**	F **25.525**	**.00302**	**36.775**	**.19749**
Stddev	.00000	.00027	.10	.0146	.00219	.248	.145	.00152	.139	.00022
%RSD	1.1867	.08241	.07649	.18738	7.5409	.31543	.56670	50.283	.37684	.11155
#1	k .00032	k .32556	k 127.08	7.7712	.02752	78.369	25.423	.00194	36.873	.19764
#2	k .00032	k .32594	k 127.22	7.7918	.03062	78.720	25.628	.00409	36.677	.19733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							20.000			
Low Limit							-.02000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00904**	k **.03876**	**407.98**	k **-.00587**	k **.01086**	**14.970**	k **.00934**	**2.0738**	k **.09937**	k **.00052**
Stddev	.00635	.00026	.40	.00210	.00009	.032	.00118	.0013	.00146	.00032
%RSD	70.298	.66180	.09686	35.744	.81410	.21657	12.641	.06292	1.4718	61.814
#1	.00455	k .03894	408.26	k -.00735	k .01093	14.992	k .00850	2.0747	k .09833	k .00029
#2	.01353	k .03858	407.70	k -.00438	k .01080	14.947	k .01017	2.0728	k .10040	k .00075
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **.01159**	kW **-.09727**	^ *****	**6.7249**	k **.00108**
Stddev	.00167	.03703	-----	.0167	.00083
%RSD	14.413	38.067	-----	.24829	77.155
#1	k .01041	k -.12346	^ -----	6.7131	k .00049
#2	k .01277	k -.07109	^ -----	6.7367	k .00167
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4366.1**	**63587.**	**4894.7**
Stddev	3.0	149.	17.1
%RSD	.06919	.23396	.34869
#1	4364.0	63692.	4882.6
#2	4368.3	63481.	4906.8

Sample Name: 280-19390-e-1-bSD@5 Acquired: 8/25/2011 19:23:22 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82610 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.33142**	**.00027**	**.01159**	**.00266**	**.00093**	**-.00112**	**56.450**	**.00266**	**.02860**
Stddev	.00022	.00373	.00121	.00024	.00012	.00007	.00255	.295	.00004	.00012
%RSD	87.317	1.1245	450.04	2.1024	4.3970	7.6502	226.58	.52263	1.6057	.40635
#1	-.00041	.33405	-.00059	.01142	.00257	.00098	-.00293	56.241	.00262	.02868
#2	-.00010	.32878	.00113	.01176	.00274	.00088	.00068	56.658	.00269	.02852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.07314**	**28.103**	**1.7338**	**.01238**	**17.896**	**6.1481**	**-.00016**	**7.8219**	**.04540**
Stddev	.00032	.00068	.075	.0104	.00046	.036	.0199	.00001	.0606	.00022
%RSD	207.87	.92861	.26730	.59851	3.7390	.19918	.32414	6.4634	.77418	.49072
#1	-.00007	.07266	28.050	1.7411	.01205	17.871	6.1341	-.00017	7.7791	.04524
#2	.00038	.07362	28.156	1.7265	.01271	17.921	6.1622	-.00015	7.8647	.04555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00094**	**.00747**	**91.296**	**-.00015**	**.00047**	**3.2928**	**.00187**	**.45950**	**-.00256**	**-.00022**
Stddev	.00126	.00267	.108	.00011	.00060	.0438	.00004	.00198	.00304	.00000
%RSD	134.18	35.786	.11794	72.357	127.05	1.3295	2.2294	.43158	118.95	1.0473
#1	-.00183	.00558	91.220	-.00007	.00005	3.2619	.00184	.45810	-.00471	-.00022
#2	-.00005	.00936	91.372	-.00022	.00090	3.3238	.00190	.46090	-.00041	-.00022
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00208**	**-.00658**	F **-.21098**	**1.5513**	**.00358**
Stddev	.00168	.03468	.00066	.0056	.00024
%RSD	80.783	527.28	.31511	.36354	6.6511
#1	.00089	.01795	-.21145	1.5473	.00341
#2	.00327	-.03110	-.21051	1.5553	.00375
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			50.000		
Low Limit			-.02000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4120.7**	**60536.**	**4492.3**
Stddev	5.8	24.	45.4
%RSD	.14194	.04003	1.0103
#1	4124.8	60519.	4524.4
#2	4116.5	60553.	4460.2

Sample Name: 280-19390-e-1-c ms Acquired: 8/25/2011 19:25:59 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82610 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.04908**	W **3.2884**	k **.93867**	**.94080**	k **1.8687**	k **.04796**	k **2.0496**	**280.55**	k **.11573**	k **.54408**
Stddev	.00004	.0484	.00282	.00139	.0011	.00024	.0085	3.79	.00018	.00070
%RSD	.08818	1.4706	.29989	.14724	.05683	.49624	.41636	1.3502	.15601	.12789
#1	k .04911	3.3226	k .93668	.94178	k 1.8695	k .04779	k 2.0556	283.23	k .11586	k .54457
#2	k .04905	3.2542	k .94066	.93982	k 1.8680	k .04812	k 2.0436	277.87	k .11560	k .54359
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00								
Low Limit		4.0000								

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.17440**	k **.54299**	k **123.82**	**55.074**	**.97217**	k **122.14**	F **25.040**	**.92624**	**84.646**	**.61671**
Stddev	.00054	.00053	.30	.014	.00161	.17	.021	.00287	.152	.00023
%RSD	.31202	.09750	.24079	.02540	.16589	.13672	.08352	.31021	.17963	.03800
#1	k .17478	k .54337	k 124.03	55.064	.97331	k 122.26	25.055	.92827	84.753	.61655
#2	k .17402	k .54262	k 123.61	55.083	.97103	k 122.02	25.026	.92420	84.538	.61688
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							20.000			
Low Limit							-.02000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.9266**	k **.47780**	**403.62**	k **.46185**	k **1.8607**	k **23.290**	k **1.7823**	**2.9673**	k **1.0336**	k **.92139**
Stddev	.0253	.00095	.38	.00150	.0077	.060	.0025	.0012	.0017	.00131
%RSD	.28387	.19849	.09499	.32549	.41185	.25686	.14090	.04006	.16626	.14197
#1	8.9445	k .47713	403.89	k .46292	k 1.8553	k 23.247	k 1.7805	2.9664	k 1.0348	k .92232
#2	8.9086	k .47847	403.34	k .46079	k 1.8661	k 23.332	k 1.7841	2.9681	k 1.0324	k .92047
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **1.6781**	k **1.8433**	^ *****	**6.8433**	k **.52871**
Stddev	.0036	.0237	-----	.0118	.00856
%RSD	.21386	1.2831	-----	.17268	1.6194
#1	k 1.6806	k 1.8600	^ -----	6.8516	k .52266
#2	k 1.6756	k 1.8265	^ -----	6.8349	k .53477
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4316.6**	**62459.**	**4866.5**
Stddev	2.8	103.	12.6
%RSD	.06431	.16500	.25809
#1	4314.6	62386.	4875.4
#2	4318.6	62532.	4857.6

Sample Name: 280-19390-e-1-d msd Acquired: 8/25/2011 19:28:27 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82610 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.04879**	W **3.2818**	k **.93741**	**.93244**	k **1.8673**	k **.04786**	k **2.0449**	**284.63**	k **.11531**	k **.54459**
Stddev	.00117	.0107	.00060	.00261	.0022	.00001	.0030	.37	.00026	.00032
%RSD	2.3915	.32525	.06361	.28026	.11962	.02527	.14799	.13011	.22311	.05952
#1	k .04796	3.2743	k .93783	.93428	k 1.8657	k .04785	k 2.0471	284.37	k .11513	k .54482
#2	k .04961	3.2894	k .93699	.93059	k 1.8689	k .04787	k 2.0428	284.90	k .11550	k .54436
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00								
Low Limit		4.0000								

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.17373**	k **.54738**	k **124.99**	**55.045**	**.96693**	k **122.80**	F **25.402**	**.92300**	**85.081**	**.61803**
Stddev	.00002	.00034	.17	.134	.01150	.16	.124	.00299	.385	.00020
%RSD	.01390	.06152	.13908	.24296	1.1897	.12808	.48804	.32441	.45284	.03204
#1	k .17371	k .54762	k 125.11	54.950	.95879	k 122.91	25.490	.92512	84.808	.61817
#2	k .17375	k .54714	k 124.87	55.140	.97506	k 122.69	25.315	.92088	85.353	.61789
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							20.000			
Low Limit							-.02000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.8889**	k **.47613**	**406.79**	k **.45763**	k **1.8637**	k **23.491**	k **1.7694**	**2.9912**	k **1.0329**	k **.91668**
Stddev	.0034	.00212	.82	.00086	.0077	.061	.0004	.0059	.0000	.00022
%RSD	.03789	.44549	.20138	.18797	.41523	.26063	.02481	.19691	.00355	.02453
#1	8.8913	k .47463	407.37	k .45824	k 1.8692	k 23.448	k 1.7697	2.9871	k 1.0329	k .91652
#2	8.8865	k .47763	406.21	k .45702	k 1.8582	k 23.534	k 1.7691	2.9954	k 1.0329	k .91684
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **1.6735**	k **1.8490**	^ *****	**6.9153**	k **.52985**
Stddev	.0052	.0081	-----	.0077	.00250
%RSD	.30926	.43822	-----	.11204	.47111
#1	k 1.6699	k 1.8548	^ -----	6.9207	k .52809
#2	k 1.6772	k 1.8433	^ -----	6.9098	k .53162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4314.4**	**62354.**	**4881.5**
Stddev	4.4	52.	7.1
%RSD	.10100	.08268	.14506
#1	4311.3	62318.	4886.5
#2	4317.5	62391.	4876.5

Sample Name: 280-19355-a-29-b Acquired: 8/25/2011 19:30:56 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82611 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00056	.00727	.00238	.01289	.13723	-.00031	.00370	417.97	-.00018	.00072
Stddev	.00015	.00330	.00056	.00040	.00088	.00007	.00214	.94	.00028	.00023
%RSD	27.056	45.379	23.684	3.0923	.64239	22.766	57.903	.22382	150.54	31.730
#1	-.00045	.00494	.00277	.01261	.13660	-.00037	.00522	417.30	-.00038	.00056
#2	-.00067	.00960	.00198	.01317	.13785	-.00026	.00219	418.63	.00001	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00352	.00227	.00699	2.1239	.03878	.02956	.00098	.02570	8.6040	.00014
Stddev	.00005	.00018	.00173	.0030	.00228	.00156	.00015	.00179	.0445	.00062
%RSD	1.5367	8.1070	24.801	.14179	5.8697	5.2825	15.807	6.9700	.51762	436.28
#1	.00348	.00214	.00821	2.1261	.03717	.02845	.00087	.02443	8.5725	-.00030
#2	.00356	.00240	.00576	2.1218	.04039	.03066	.00109	.02696	8.6355	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00077	-.00263	22.042	-.00013	.01571	.44466	.00171	.35681	-.00056	.00171
Stddev	.00392	.00003	.166	.00182	.00198	.01339	.00114	.00236	.00139	.00014
%RSD	508.98	1.0228	.75202	1394.0	12.588	3.0118	66.555	.66265	245.49	8.3755
#1	-.00200	-.00264	21.924	-.00142	.01431	.43519	.00091	.35513	-.00154	.00161
#2	.00354	-.00261	22.159	.00116	.01711	.45413	.00252	.35848	.00042	.00181
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00189	.02123	.00055	.00172	.00527
Stddev	.00046	.00785	.00011	.00060	.00078
%RSD	24.560	36.977	19.283	34.863	14.858
#1	.00156	.01568	.00047	.00130	.00582
#2	.00222	.02678	.00062	.00214	.00472
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3867.5	56306.	4327.0
Stddev	7.0	107.	6.4
%RSD	.18076	.19036	.14851
#1	3872.5	56381.	4331.6
#2	3862.6	56230.	4322.5

Sample Name: CCVH-940568 Acquired: 8/25/2011 19:33:40 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02276**	**49.902**	**-.00385**	**.00228**	**.00053**	**-.00018**	**.99499**	**.04159**	**-.00120**	**.00214**	**.00004**	**-.00261**	**50.914**
Stddev	.00065	.055	.00040	.00048	.00040	.00011	.00792	.00513	.00008	.00011	.00004	.00039	.052
%RSD	2.8553	.11041	10.510	20.899	75.633	63.230	.79639	12.328	6.4665	5.1696	94.092	15.048	.10293
#1	-.02322	49.863	-.00356	.00195	.00082	-.00010	.98938	.04521	-.00126	.00206	.00001	-.00289	50.877
#2	-.02230	49.941	-.00414	.00262	.00025	-.00026	1.0006	.03796	-.00115	.00222	.00006	-.00233	50.951
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20741**	**.00626**	**-.10424**	**.00075**	**-.00134**	**265.95**	**.00132**	**.00177**	**-.00082**	**5.0778**	**-.00825**	**.01219**	**.02389**
Stddev	.00746	.00354	.00045	.00004	.00021	.36	.00016	.00236	.00148	.0059	.00059	.00231	.02259
%RSD	3.5984	56.503	.42728	5.4542	15.628	.13537	12.209	133.44	180.41	.11538	7.1088	18.976	94.570
#1	.20213	.00877	-.10456	.00073	-.00119	265.70	.00121	.00010	.00023	5.0819	-.00867	.01383	.00792
#2	.21269	.00376	-.10393	.00078	-.00149	266.21	.00144	.00343	-.00187	5.0736	-.00784	.01055	.03987
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00181**	**.00046**	**4.9774**	**.00288**	**.00258**	**10.623**	**-.00950**	**.00424**	**.01943**
Stddev	.00050	.00005	.0066	.00015	.00050	.035	.00033	.00003	.00563
%RSD	27.884	11.887	.13309	5.3364	19.433	.32567	3.4368	.80541	28.985
#1	.00145	.00049	4.9821	.00278	.00293	10.599	-.00927	.00426	.01545
#2	.00216	.00042	4.9728	.00299	.00223	10.648	-.00973	.00421	.02341
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3937.2**	**56950.**	**4285.2**
Stddev	5.8	37.	17.5
%RSD	.14694	.06505	.40898
#1	3941.3	56923.	4297.6
#2	3933.1	56976.	4272.8

Sample Name: CCV-940591 Acquired: 8/25/2011 19:36:11 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53552**	**.51154**	**1.0281**	**.51766**	**.52156**	**.50770**	**.00576**	**4.9799**	**.51983**	**.50360**	**.50390**	**.52795**	**2.5386**
Stddev	.00131	.00602	.0009	.00111	.00240	.00185	.00638	.0223	.00084	.00089	.00126	.00096	.0071
%RSD	.24492	1.1766	.08495	.21468	.46030	.36522	110.83	.44692	.16123	.17696	.25012	.18198	.28097
#1	.53645	.50728	1.0287	.51687	.51986	.50639	.01027	4.9642	.51924	.50297	.50301	.52863	2.5335
#2	.53460	.51580	1.0275	.51845	.52325	.50901	.00125	4.9956	.52043	.50423	.50479	.52727	2.5436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.989**	**1.0253**	**21.013**	**.52607**	**.51388**	**5.4034**	**.50840**	**.98041**	**1.0370**	**.04514**	**1.0198**	**1.0225**	**5.0371**
Stddev	.248	.0018	.024	.00068	.00005	.0073	.00071	.00102	.0008	.00041	.0028	.0079	.0704
%RSD	.48724	.17960	.11337	.12872	.00961	.13517	.14020	.10361	.07244	.90902	.27882	.77347	1.3975
#1	50.814	1.0240	21.030	.52655	.51392	5.3982	.50790	.97969	1.0365	.04543	1.0178	1.0169	4.9874
#2	51.165	1.0266	20.996	.52560	.51385	5.4085	.50891	.98113	1.0376	.04485	1.0218	1.0281	5.0869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0209**	**.52476**	**-.00176**	**.50574**	**1.0228**	**.06403**	**.52829**	**.52683**	**.51735**
Stddev	.0040	.00202	.00015	.00127	.0019	.04066	.00021	.00082	.00058
%RSD	.39599	.38445	8.4670	.25153	.18883	63.495	.03940	.15523	.11260
#1	1.0181	.52334	-.00166	.50664	1.0214	.03528	.52844	.52625	.51694
#2	1.0238	.52619	-.00187	.50484	1.0242	.09278	.52815	.52741	.51777
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4022.0**	**58506.**	**4312.9**
Stddev	3.6	142.	9.4
%RSD	.08915	.24350	.21706
#1	4024.5	58405.	4319.5
#2	4019.5	58606.	4306.3

Sample Name: CCB Acquired: 8/25/2011 19:38:33 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00018**	**.00343**	W **.00192**	**-.00012**	**.00003**	**.00025**	**.00139**	**.00044**	**.00003**	**.00021**
Stddev	.00023	.00030	.00159	.00015	.00022	.00000	.00036	.00317	.00007	.00009	.00034
%RSD	105.70	166.54	46.475	7.5925	181.87	14.834	142.54	227.97	16.957	346.73	162.84
#1	.00038	.00039	.00230	.00181	.00003	.00003	.00050	-.00085	.00038	-.00004	-.00003
#2	.00006	-.00003	.00456	.00202	-.00027	.00003	.00000	.00363	.00049	.00009	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00006**	**.05463**	W **.00443**	**.00138**	**.00002**	**.00299**	**.06581**	**.00012**	**-.00193**	**.00061**
Stddev	.00001	.00027	.00631	.00210	.00252	.00003	.00059	.00661	.00002	.00218	.00018
%RSD	2.4548	441.92	11.547	47.414	182.03	194.75	19.694	10.046	19.506	112.87	28.540
#1	.00046	.00026	.05017	.00294	.00316	-.00001	.00257	.06114	.00011	-.00347	.00074
#2	.00047	-.00013	.05909	.00591	-.00040	.00004	.00340	.07048	.00014	-.00039	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03550**	F **.00643**	**.00449**	**.00203**	**.00029**	**.00018**	**-.00106**	**.00033**	**.00087**	**.03725**	**-.00014**
Stddev	.00504	.00129	.00249	.00059	.00082	.00005	.00200	.00040	.00051	.01205	.00041
%RSD	14.211	20.093	55.520	29.229	286.17	28.112	189.08	119.48	59.254	32.351	288.76
#1	.03907	.00734	.00273	.00161	-.00029	.00022	.00036	.00005	.00123	.04577	-.00043
#2	.03193	.00552	.00625	.00245	.00086	.00015	-.00247	.00062	.00050	.02873	.00015
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00171**	W **.00286**
Stddev	.00006	.00130
%RSD	3.4781	45.672
#1	.00167	.00193
#2	.00175	.00378
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4055.1**	**59949.**	**4291.8**
Stddev	4.9	25.	7.8
%RSD	.11995	.04219	.18160
#1	4051.7	59931.	4286.3
#2	4058.6	59967.	4297.3

Sample Name: CCVL942742 Acquired: 8/25/2011 19:41:09 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01119**	**.10340**	**.01556**	**.10347**	**.01022**	**.00093**	F **.13010**	**.20805**	**.00568**	**.01051**	**.01034**
Stddev	.00068	.00123	.00289	.00046	.00033	.00007	.00070	.00264	.00000	.00005	.00032
%RSD	6.0979	1.1850	18.558	.44194	3.2293	7.6648	.53781	1.2666	.07729	.49864	3.1401
#1	.01071	.10426	.01352	.10315	.00999	.00098	.12960	.20618	.00567	.01055	.01011
#2	.01168	.10253	.01761	.10380	.01046	.00088	.13059	.20991	.00568	.01047	.01057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01651**	**.10303**	**3.1363**	F **.01578**	**.22231**	**.01102**	**.02022**	**1.1441**	**.04216**	**2.8478**	W **.01086**
Stddev	.00028	.00177	.0311	.00139	.00098	.00003	.00063	.0143	.00015	.0042	.00064
%RSD	1.7044	1.7139	.99125	8.8308	.43859	.23389	3.1299	1.2530	.34802	.14745	5.8471
#1	.01671	.10428	3.1143	.01480	.22162	.01104	.01977	1.1340	.04206	2.8508	.01131
#2	.01631	.10178	3.1583	.01677	.22300	.01100	.02067	1.1543	.04227	2.8448	.01041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
Value				.01000							.00900
Range				30.000%							20.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02371**	**.00993**	**.01653**	**.49103**	**.10204**	**.01092**	**.01369**	**.01009**	**.01794**	**.06900**	**.01068**
Stddev	.00114	.00085	.00097	.00074	.00085	.00016	.00005	.00010	.00140	.01347	.00003
%RSD	4.8272	8.5793	5.8938	.15081	.83177	1.4217	.37522	.97819	7.7790	19.515	.27860
#1	.02452	.00933	.01721	.49155	.10264	.01103	.01372	.01002	.01695	.05948	.01070
#2	.02290	.01054	.01584	.49050	.10144	.01081	.01365	.01016	.01893	.07853	.01066
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02338**	**.01781**
Stddev	.00026	.00108
%RSD	1.1140	6.0645
#1	.02356	.01704
#2	.02319	.01857
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4130.4**	**60941.**	**4378.5**
Stddev	4.9	21.	.6
%RSD	.11750	.03372	.01423
#1	4127.0	60955.	4378.1
#2	4133.9	60926.	4379.0

Sample Name: mb 280-82837/1-a Acquired: 8/25/2011 19:43:42 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82837 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00013	.00078	.00026	.00102	-.00015	.00001	-.00068	.00355	.00013	-.00003
Stddev	.00034	.00060	.00218	.00002	.00036	.00007	.00247	.00058	.00016	.00004
%RSD	259.46	76.100	855.81	1.5994	246.77	986.97	362.72	16.418	128.78	144.11
#1	.00037	.00036	.00180	.00103	-.00040	.00005	.00107	.00396	.00001	.00000
#2	-.00011	.00120	-.00129	.00100	.00011	-.00004	-.00243	.00313	.00024	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	.00033	.00149	.02278	.00401	-.00087	.00016	-.00004	.02968	-.00023
Stddev	.00011	.00020	.00066	.02449	.00127	.00024	.00002	.00028	.00139	.00023
%RSD	263.19	59.790	44.518	107.54	31.758	27.781	14.869	716.61	4.6878	100.39
#1	.00012	.00047	.00196	.04010	.00311	-.00070	.00014	.00016	.02870	-.00040
#2	-.00004	.00019	.00102	.00546	.00491	-.00104	.00017	-.00023	.03067	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00038	-.00088	.02543	.00100	.00132	-.00613	-.00015	.00010	-.00341	.00053
Stddev	.00152	.00073	.00083	.00100	.00500	.01898	.00041	.00004	.00112	.00015
%RSD	403.27	83.443	3.2514	99.882	377.72	309.81	278.39	41.681	32.783	28.698
#1	.00145	-.00140	.02601	.00030	-.00221	-.01955	-.00044	.00007	-.00420	.00042
#2	-.00070	-.00036	.02485	.00171	.00486	.00730	.00014	.00013	-.00262	.00064
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00280	.03466	-.00009	.00140	.00350
Stddev	.00058	.01150	.00024	.00050	.00179
%RSD	20.831	33.171	278.13	36.001	51.003
#1	.00239	.04279	-.00026	.00104	.00224
#2	.00321	.02653	.00008	.00176	.00476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4124.8	61215.	4399.8
Stddev	2.8	103.	1.5
%RSD	.06760	.16768	.03364
#1	4126.8	61288.	4400.9
#2	4122.8	61143.	4398.8

Sample Name: lcs 280-82837/2-a Acquired: 8/25/2011 19:46:18 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82837 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05091**	**1.9085**	**1.0495**	**.96798**	**2.1013**	**.05106**	F **2.3844**	**49.476**	**.10850**	**.49828**
Stddev	.00011	.0147	.0054	.00213	.0098	.00028	.0105	.277	.00059	.00211
%RSD	.22391	.76743	.51850	.22041	.46692	.54404	.44211	.55903	.54395	.42265
#1	.05099	1.9189	1.0457	.96647	2.1083	.05126	2.3770	49.672	.10808	.49679
#2	.05083	1.8982	1.0534	.96949	2.0944	.05086	2.3919	49.281	.10891	.49977
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20328**	**.26430**	**1.0057**	**51.963**	**1.0337**	**52.402**	**.52334**	**.98976**	**53.986**	**.49928**
Stddev	.00068	.00071	.0062	.254	.0101	.056	.00037	.00176	.297	.00187
%RSD	.33377	.26710	.61980	.48955	.97884	.10660	.07146	.17809	.55011	.37541
#1	.20280	.26480	1.0101	52.143	1.0409	52.441	.52360	.98851	54.196	.49795
#2	.20376	.26380	1.0013	51.783	1.0266	52.362	.52307	.99100	53.776	.50060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.104**	**.51140**	**.02112**	**.49516**	**2.1024**	F **9.3835**	**1.9348**	**1.0608**	**1.0161**	**.98431**
Stddev	.007	.00065	.00347	.00067	.0023	.0130	.0072	.0046	.0009	.00004
%RSD	.06558	.12640	16.434	.13557	.11093	.13849	.37325	.43016	.08789	.00380
#1	10.099	.51186	.01867	.49564	2.1008	9.3743	1.9297	1.0641	1.0155	.98434
#2	10.109	.51094	.02358	.49469	2.1041	9.3927	1.9400	1.0576	1.0167	.98429
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500				
Low Limit						9.4000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0369**	**2.2363**	**.53473**	**.52458**	**.50362**
Stddev	.0051	.0346	.00020	.00106	.00440
%RSD	.25036	1.5455	.03728	.20292	.87386
#1	2.0333	2.2608	.53487	.52533	.50674
#2	2.0405	2.2119	.53458	.52382	.50051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3966.2**	**57531.**	**4337.1**
Stddev	2.8	51.	21.0
%RSD	.06973	.08806	.48468
#1	3968.1	57495.	4322.2
#2	3964.2	57567.	4352.0

Sample Name: 280-19455-c-1-a Acquired: 8/25/2011 19:48:38 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82837 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00007	.00012	.00186	.02983	.00733	-.00005	.00571	42.337	.00039	-.00018
Stddev	.00050	.00089	.00129	.00051	.00041	.00004	.00273	.059	.00010	.00013
%RSD	718.50	763.72	69.576	1.7260	5.5851	66.588	47.862	.14000	25.244	68.574
#1	.00042	-.00052	.00095	.03020	.00762	-.00008	.00764	42.295	.00032	-.00027
#2	-.00028	.00075	.00278	.02947	.00704	-.00003	.00378	42.379	.00046	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00245	.00150	.00016	7.0734	.01089	22.565	.00004	.00813	19.075	.00036
Stddev	.00005	.00026	.00132	.0215	.00069	.065	.00004	.00129	.062	.00020
%RSD	1.8543	17.207	839.64	.30389	6.3163	.28980	93.763	15.843	.32421	55.010
#1	.00242	.00168	-.00078	7.0886	.01040	22.611	.00001	.00722	19.119	.00022
#2	.00248	.00131	.00109	7.0582	.01137	22.518	.00007	.00904	19.031	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03840	.00039	6.9515	-.00154	.01076	25.271	.00086	.23222	-.00181	.00023
Stddev	.00093	.00054	.0080	.00052	.00131	.011	.00104	.00020	.00120	.00001
%RSD	2.4142	140.50	.11504	33.380	12.178	.04154	121.28	.08456	66.109	3.2500
#1	.03774	.00077	6.9572	-.00118	.00983	25.264	.00012	.23208	-.00265	.00023
#2	.03905	.00000	6.9459	-.00191	.01168	25.279	.00159	.23235	-.00096	.00024
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00294	.04924	.03602	.00178	.00349
Stddev	.00135	.00332	.00026	.00020	.00123
%RSD	45.916	6.7434	.72815	11.269	35.243
#1	.00198	.05159	.03620	.00192	.00436
#2	.00389	.04689	.03583	.00163	.00262
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4044.6	59049.	4391.1
Stddev	3.2	287.	16.7
%RSD	.07878	.48673	.38004
#1	4042.4	58846.	4379.3
#2	4046.9	59252.	4402.9

Sample Name: 280-19455-c-1-aSD@5 Acquired: 8/25/2011 19:51:11 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82837 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00034	-.00161	-.00030	.00744	.00121	-.00004	.00176	8.7667	.00013	-.00030
Stddev	.00070	.00001	.00144	.00009	.00015	.00006	.00215	.0106	.00007	.00005
%RSD	205.72	.71476	483.04	1.2139	12.514	161.07	121.94	.12091	57.081	16.298
#1	.00083	-.00161	.00072	.00738	.00110	.00001	.00024	8.7592	.00008	-.00033
#2	-.00015	-.00160	-.00132	.00750	.00132	-.00008	.00328	8.7742	.00018	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00042	.00060	-.00316	1.5041	.00297	4.6955	.00021	.00096	3.8408	-.00008
Stddev	.00021	.00021	.00087	.0125	.00134	.0033	.00001	.00024	.0144	.00004
%RSD	49.219	34.285	27.666	.83027	45.198	.06969	3.2312	24.711	.37490	50.822
#1	.00057	.00075	-.00378	1.5130	.00391	4.6932	.00021	.00112	3.8307	-.00011
#2	.00027	.00046	-.00254	1.4953	.00202	4.6978	.00022	.00079	3.8510	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00391	-.00104	1.4141	-.00051	-.00002	5.2118	-.00015	.04795	-.00159	.00021
Stddev	.00303	.00290	.0098	.00071	.00302	.0223	.00032	.00017	.00037	.00001
%RSD	77.452	278.70	.69262	140.70	17641.	.42805	210.88	.35653	23.001	7.1131
#1	.00605	.00101	1.4211	.00000	.00212	5.1960	.00007	.04808	-.00133	.00020
#2	.00177	-.00309	1.4072	-.00101	-.00215	5.2275	-.00038	.04783	-.00185	.00022
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00196	.02466	.00671	.00288	.00549
Stddev	.00061	.00869	.00069	.00029	.00165
%RSD	31.267	35.257	10.322	10.071	30.112
#1	.00153	.03080	.00622	.00308	.00665
#2	.00240	.01851	.00720	.00267	.00432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4082.8	59974.	4357.9
Stddev	1.8	51.	9.9
%RSD	.04421	.08574	.22713
#1	4081.5	59937.	4364.9
#2	4084.1	60010.	4350.9

Sample Name: 280-19455-c-1-b ms Acquired: 8/25/2011 19:53:46 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82837 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05031**	**1.8375**	**1.0406**	**1.0131**	**2.0905**	**.05075**	**2.3449**	**91.460**	**.10748**	**.48504**
Stddev	.00034	.0259	.0054	.0022	.0043	.00027	.0067	.244	.00047	.00169
%RSD	.67474	1.4072	.51634	.21742	.20736	.54033	.28387	.26640	.43275	.34910
#1	.05055	1.8557	1.0444	1.0147	2.0874	.05056	2.3496	91.288	.10781	.48624
#2	.05007	1.8192	1.0368	1.0116	2.0936	.05095	2.3402	91.632	.10715	.48385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20095**	**.26155**	**.99110**	**58.856**	**1.0311**	**73.618**	**.51411**	**1.0119**	**72.534**	**.48706**
Stddev	.00036	.00074	.00607	.060	.0027	.137	.00108	.0046	.043	.00120
%RSD	.18035	.28139	.61198	.10232	.26341	.18613	.21011	.45272	.05898	.24732
#1	.20120	.26103	.99539	58.813	1.0330	73.521	.51335	1.0151	72.503	.48791
#2	.20069	.26208	.98681	58.898	1.0292	73.715	.51488	1.0086	72.564	.48621
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9301**	**.50221**	**7.0776**	**.50549**	**2.0647**	**34.876**	**1.9698**	**1.2855**	**1.0049**	**1.0071**
Stddev	.0424	.00242	.0198	.00056	.0041	.109	.0077	.0024	.0008	.0014
%RSD	.42701	.48225	.27998	.11061	.19667	.31274	.38985	.19001	.07941	.13641
#1	9.9601	.50050	7.0916	.50588	2.0676	34.799	1.9753	1.2838	1.0054	1.0061
#2	9.9001	.50392	7.0636	.50509	2.0618	34.953	1.9644	1.2873	1.0043	1.0080
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9666**	**2.2264**	**.56136**	**.51380**	**.51961**
Stddev	.0034	.0172	.00014	.00086	.00415
%RSD	.17193	.77145	.02577	.16643	.79956
#1	1.9690	2.2142	.56126	.51440	.51667
#2	1.9642	2.2385	.56146	.51319	.52254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3953.4**	**57329.**	**4380.5**
Stddev	13.5	82.	.6
%RSD	.34155	.14355	.01481
#1	3943.8	57387.	4380.9
#2	3962.9	57271.	4380.0

Sample Name: 280-19455-c-1-c msd Acquired: 8/25/2011 19:56:06 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82837 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05062**	**1.8793**	**1.0717**	**1.0370**	**2.1328**	**.05177**	**2.3996**	**93.004**	**.11011**	**.49569**
Stddev	.00032	.0060	.0022	.0021	.0045	.00002	.0040	.232	.00024	.00140
%RSD	.63698	.31647	.20391	.20496	.21278	.03309	.16729	.24896	.21435	.28287
#1	.05085	1.8835	1.0733	1.0355	2.1296	.05176	2.3968	92.841	.10994	.49470
#2	.05039	1.8751	1.0702	1.0385	2.1360	.05178	2.4024	93.168	.11028	.49668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20544**	**.26578**	**1.0214**	**60.200**	**1.0596**	**74.637**	**.52320**	**1.0363**	**73.871**	**.49818**
Stddev	.00022	.00100	.0077	.330	.0041	.415	.00195	.0022	.345	.00137
%RSD	.10863	.37626	.75454	.54851	.38291	.55619	.37314	.21284	.46743	.27596
#1	.20528	.26649	1.0160	59.966	1.0567	74.931	.52458	1.0348	73.627	.49721
#2	.20559	.26507	1.0269	60.433	1.0624	74.344	.52182	1.0379	74.115	.49916
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.203**	**.51562**	**7.2110**	**.51572**	**2.1287**	**35.522**	**2.0088**	**1.3094**	**1.0236**	**1.0183**
Stddev	.017	.00027	.0021	.00413	.0009	.038	.0063	.0038	.0087	.0043
%RSD	.16451	.05261	.02936	.80026	.04423	.10592	.31169	.29137	.84593	.42253
#1	10.191	.51543	7.2095	.51280	2.1280	35.496	2.0044	1.3067	1.0297	1.0214
#2	10.214	.51581	7.2125	.51863	2.1293	35.549	2.0133	1.3121	1.0175	1.0153
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0061**	**2.2443**	**.56871**	**.52194**	**.52749**
Stddev	.0025	.0084	.00314	.00181	.00798
%RSD	.12633	.37429	.55129	.34640	1.5121
#1	2.0044	2.2384	.57092	.52322	.52185
#2	2.0079	2.2503	.56649	.52066	.53313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3960.6**	**57754.**	**4358.5**
Stddev	7.2	346.	8.4
%RSD	.18053	.59831	.19230
#1	3965.7	57510.	4364.4
#2	3955.6	57999.	4352.5

Sample Name: 280-19455-b-2-a Acquired: 8/25/2011 19:58:23 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82837 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00064	.00123	.00478	.02772	.01493	-.00012	.00502	42.349	.00037	-.00035
Stddev	.00030	.00203	.00229	.00069	.00046	.00001	.00129	.180	.00003	.00064
%RSD	46.156	165.22	47.932	2.4797	3.0750	11.088	25.785	.42508	7.2861	181.84
#1	.00086	-.00021	.00316	.02821	.01526	-.00011	.00593	42.476	.00038	-.00081
#2	.00043	.00266	.00640	.02723	.01461	-.00013	.00410	42.222	.00035	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00486	.00127	.00904	6.9941	.01370	23.297	.00010	.00975	20.211	-.00013
Stddev	.00031	.00015	.00215	.0730	.00103	.083	.00000	.00173	.196	.00019
%RSD	6.2878	11.475	23.774	1.0430	7.5526	.35785	2.5862	17.793	.97033	148.25
#1	.00508	.00117	.00752	7.0457	.01443	23.356	.00010	.00852	20.072	-.00026
#2	.00464	.00138	.01056	6.9425	.01296	23.238	.00010	.01097	20.350	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03167	.00064	8.3290	-.00123	.01268	27.009	.00082	.15502	-.00081	.00019
Stddev	.00498	.00128	.1198	.00041	.00085	.149	.00111	.00074	.00171	.00014
%RSD	15.731	200.59	1.4382	33.287	6.7010	.55328	135.16	.47831	211.69	75.960
#1	.02815	-.00027	8.4137	-.00152	.01208	27.115	.00004	.15554	.00040	.00028
#2	.03519	.00155	8.2443	-.00094	.01328	26.904	.00161	.15449	-.00202	.00009
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00214	.02538	.03239	.00150	.00203
Stddev	.00198	.00826	.00012	.00028	.00033
%RSD	92.802	32.542	.36200	18.540	16.444
#1	.00073	.03122	.03247	.00170	.00227
#2	.00354	.01954	.03231	.00131	.00180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4099.5	60120.	4436.0
Stddev	23.6	199.	16.2
%RSD	.57512	.33178	.36498
#1	4082.8	59979.	4424.6
#2	4116.1	60261.	4447.5

Sample Name: CCVH-940568 Acquired: 8/25/2011 20:00:56 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02271**	**49.816**	**-.00567**	**.00305**	**.00029**	**-.00017**	**.99999**	**.03282**	**-.00110**	**.00177**	**.00011**	**-.00220**	**50.615**
Stddev	.00026	.031	.00416	.00058	.00005	.00005	.00270	.00090	.00008	.00001	.00018	.00018	.233
%RSD	1.1287	.06149	73.414	19.013	15.736	31.101	.27023	2.7437	7.6768	.71485	169.77	8.3577	.46094
#1	-.02289	49.838	-.00862	.00346	.00026	-.00020	.99808	.03346	-.00116	.00176	.00023	-.00207	50.780
#2	-.02252	49.795	-.00273	.00264	.00032	-.00013	1.0019	.03218	-.00104	.00178	-.00002	-.00233	50.450
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23372**	**.00390**	**-.10081**	**.00144**	**-.00130**	**264.72**	**.00092**	**.00008**	**-.00265**	**5.0344**	**-.00997**	**.01241**	**.04117**
Stddev	.04099	.00401	.00064	.00012	.00013	.47	.00017	.00307	.00044	.0091	.00163	.00100	.00816
%RSD	17.537	102.73	.63413	8.0226	10.322	.17795	18.653	3864.4	16.657	.18029	16.398	8.0978	19.820
#1	.20473	.00107	-.10126	.00152	-.00139	265.05	.00104	.00225	-.00296	5.0408	-.01113	.01312	.03540
#2	.26270	.00673	-.10036	.00135	-.00120	264.39	.00080	-.00209	-.00234	5.0280	-.00881	.01170	.04694
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00057**	**4.9718**	**.00263**	**.00424**	**10.603**	**-.00953**	**.00520**	**.01947**
Stddev	.00062	.00021	.0151	.00032	.00179	.033	.00010	.00045	.00029
%RSD	74.350	36.019	.30430	11.996	42.230	.30824	1.0843	8.7300	1.4673
#1	.00128	.00072	4.9825	.00285	.00297	10.626	-.00960	.00488	.01927
#2	.00040	.00042	4.9611	.00241	.00550	10.580	-.00946	.00552	.01967
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3967.6**	**57483.**	**4349.7**
Stddev	4.0	61.	13.3
%RSD	.09970	.10660	.30653
#1	3964.8	57440.	4359.1
#2	3970.4	57527.	4340.3

Sample Name: CCV-940591 Acquired: 8/25/2011 20:03:28 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53560**	**.51447**	**1.0299**	**.51546**	**.52190**	**.50466**	**.00419**	**4.9750**	**.51934**	**.50869**	**.50791**	**.52579**	**2.5087**	**50.863**
Stddev	.00287	.00615	.0012	.00034	.00043	.00031	.00341	.0053	.00020	.00035	.00050	.00047	.0001	.021
%RSD	.53596	1.1945	.11768	.06685	.08238	.06141	81.343	.10543	.03773	.06942	.09814	.08991	.00267	.04182
#1	.53357	.51013	1.0308	.51571	.52220	.50444	.00178	4.9787	.51920	.50894	.50756	.52545	2.5087	50.848
#2	.53763	.51882	1.0291	.51522	.52159	.50488	.00660	4.9713	.51947	.50844	.50826	.52612	2.5086	50.878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0207**	**20.870**	**.52134**	**.51321**	**5.3666**	**.51022**	**.98498**	**1.0357**	**.01439**	**1.0152**	**1.0294**	**5.0174**	**1.0191**	**.52404**
Stddev	.0029	.000	.00028	.00044	.0098	.00035	.00132	.0016	.00058	.0037	.0023	.0288	.0010	.00035
%RSD	.28386	.00124	.05439	.08510	.18252	.06802	.13406	.15723	4.0240	.36638	.22414	.57372	.09753	.06719
#1	1.0228	20.870	.52155	.51352	5.3735	.50998	.98405	1.0345	.01398	1.0125	1.0311	4.9970	1.0198	.52379
#2	1.0187	20.870	.52114	.51290	5.3597	.51047	.98591	1.0369	.01480	1.0178	1.0278	5.0377	1.0184	.52429
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**.50428**	**1.0321**	**.03013**	**.52449**	**.52073**	**.51107**
Stddev	.00114	.00061	.0042	.01947	.00050	.00074	.00273
%RSD	97.063	.12170	.40781	64.612	.09575	.14245	.53459
#1	.00037	.50471	1.0351	.04389	.52413	.52021	.51300
#2	.00198	.50384	1.0291	.01636	.52484	.52126	.50914
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4040.4**	**59320.**	**4391.4**
Stddev	11.5	207.	1.3
%RSD	.28446	.34951	.02935
#1	4048.6	59174.	4392.4
#2	4032.3	59467.	4390.5

Sample Name: CCB Acquired: 8/25/2011 20:05:50 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**-.00045**	**.00066**	W **.00258**	**-.00010**	**-.00003**	**-.00135**	**.00092**	**.00030**	**.00003**	**.00010**
Stddev	.00060	.00159	.00310	.00010	.00016	.00003	.00140	.00084	.00029	.00001	.00020
%RSD	173.21	352.47	468.25	3.7326	153.55	86.239	103.79	91.468	95.515	41.837	190.88
#1	.00077	-.00158	-.00153	.00265	-.00021	-.00001	-.00234	.00151	.00010	.00003	-.00004
#2	-.00008	.00067	.00286	.00251	.00001	-.00005	-.00036	.00032	.00050	.00002	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**-.00085**	**.08940**	W **.00321**	**-.00021**	**.00004**	**.00286**	**.05791**	**.00024**	**-.00219**	**-.00176**
Stddev	.00011	.00212	.00814	.00217	.00462	.00010	.00084	.01102	.00000	.00017	.00074
%RSD	17.102	248.95	9.1078	67.627	2167.8	273.76	29.464	19.033	1.3794	7.7631	42.126
#1	.00074	.00065	.09516	.00168	.00305	-.00003	.00226	.05012	.00024	-.00207	-.00228
#2	.00058	-.00235	.08364	.00475	-.00348	.00011	.00345	.06571	.00024	-.00231	-.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01450**	W **.00600**	W **.00517**	**.02460**	**.00009**	**.00008**	**-.00218**	**.00041**	**.00038**	**.03318**	**.00032**
Stddev	.00040	.00181	.00314	.00939	.00007	.00017	.00006	.00025	.00191	.00779	.00005
%RSD	2.7875	30.110	60.773	38.182	75.609	218.24	2.8252	60.816	507.72	23.464	15.144
#1	.01422	.00472	.00739	.03124	.00013	.00020	-.00214	.00059	-.00097	.02768	.00028
#2	.01479	.00728	.00295	.01796	.00004	-.00004	-.00223	.00023	.00173	.03869	.00035
Check ?	None	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314	.00486								
Low Limit		-.00314	-.00486								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00196**	F **.00500**
Stddev	.00079	.00001
%RSD	40.281	.13803
#1	.00140	.00501
#2	.00252	.00500
Check ?	Chk Pass	Chk Fail
High Limit		.00476
Low Limit		-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4020.0**	**59492.**	**4291.8**
Stddev	5.2	197.	24.8
%RSD	.12851	.33107	.57734
#1	4016.3	59352.	4309.3
#2	4023.6	59631.	4274.2

Sample Name: CCVL942742 Acquired: 8/25/2011 20:08:24 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01112**	**.10621**	**.01585**	**.10377**	**.01052**	**.00104**	F **.13105**	**.20686**	**.00566**	**.01070**	**.01027**
Stddev	.00017	.00160	.00125	.00028	.00012	.00001	.00021	.00278	.00011	.00013	.00041
%RSD	1.5709	1.5109	7.8597	.27437	1.1668	.93926	.16219	1.3456	1.8855	1.1765	4.0262
#1	.01100	.10734	.01497	.10397	.01043	.00105	.13120	.20490	.00573	.01079	.01056
#2	.01124	.10507	.01673	.10357	.01060	.00103	.13090	.20883	.00558	.01061	.00998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01683**	**.09793**	**3.1664**	F **.01426**	**.22464**	**.01101**	**.02044**	**1.1366**	**.04296**	**2.8922**	**.00811**
Stddev	.00002	.00232	.0088	.00052	.00147	.00008	.00066	.0078	.00017	.0289	.00236
%RSD	.10943	2.3694	.27769	3.6609	.65587	.75641	3.2270	.68803	.40696	.99925	29.110
#1	.01684	.09629	3.1602	.01389	.22569	.01095	.02091	1.1422	.04308	2.9127	.00644
#2	.01682	.09957	3.1726	.01462	.22360	.01106	.01997	1.1311	.04283	2.8718	.00978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00720**	**.00976**	**.01423**	**.46552**	**.10392**	**.01069**	W **.01166**	**.01046**	W **.01817**	F **.08238**	**.00987**
Stddev	.00179	.00029	.00135	.01151	.00117	.00000	.00011	.00034	.00068	.01711	.00039
%RSD	24.853	3.0174	9.4751	2.4728	1.1289	.03947	.96989	3.2109	3.7270	20.774	3.9920
#1	.00846	.00955	.01518	.45738	.10475	.01069	.01158	.01022	.01769	.09449	.00960
#2	.00593	.00996	.01327	.47366	.10309	.01070	.01174	.01070	.01865	.07028	.01015
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Fail	Chk Pass
Value							.01500		.01500	.06000	
Range							-20.000%		20.000%	30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02344**	F **.01954**
Stddev	.00004	.00159
%RSD	.17212	8.1304
#1	.02341	.01842
#2	.02346	.02066
Check ?	Chk Pass	Chk Fail
Value		.01500
Range		30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4093.8**	**60843.**	**4364.6**
Stddev	12.7	280.	4.4
%RSD	.30969	.45996	.09981
#1	4084.9	61041.	4361.5
#2	4102.8	60645.	4367.6

Sample Name: 280-19457-c-1-a Acquired: 8/25/2011 20:10:57 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82837 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00036	-.00028	.00153	.02609	.00813	.00001	.00260	33.236	.00051	-.00056
Stddev	.00002	.00007	.00217	.00011	.00017	.00014	.00146	.154	.00000	.00019
%RSD	6.8098	25.608	141.59	.43033	2.1319	1219.3	56.107	.46401	.21523	34.497
#1	.00034	-.00023	.00306	.02617	.00801	-.00008	.00157	33.345	.00051	-.00070
#2	.00038	-.00033	.00000	.02601	.00825	.00011	.00364	33.127	.00052	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00496	.00181	.00201	5.6928	.01403	17.436	.00020	.00578	22.678	.00006
Stddev	.00002	.00032	.00429	.0246	.00139	.005	.00002	.00037	.182	.00017
%RSD	.31960	17.638	214.11	.43237	9.9119	.03130	12.066	6.4765	.80171	275.28
#1	.00497	.00203	-.00103	5.7102	.01305	17.432	.00018	.00552	22.807	.00018
#2	.00494	.00158	.00504	5.6754	.01502	17.440	.00022	.00605	22.549	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10410	-.00012	6.3222	.00134	.00086	26.117	-.00036	.18933	-.00141	-.00032
Stddev	.00135	.00052	.0220	.00204	.00078	.019	.00029	.00085	.00034	.00041
%RSD	1.2943	437.29	.34733	152.83	91.319	.07449	80.524	.44646	24.337	130.11
#1	.10315	.00025	6.3067	-.00011	.00030	26.131	-.00056	.18993	-.00117	-.00061
#2	.10505	-.00048	6.3378	.00278	.00141	26.104	-.00015	.18874	-.00165	-.00003
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00153	.04049	.03943	.00190	.00228
Stddev	.00164	.01391	.00030	.00025	.00022
%RSD	107.37	34.354	.74831	13.296	9.5785
#1	.00268	.03065	.03922	.00172	.00212
#2	.00037	.05032	.03964	.00208	.00243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4040.8	59293.	4357.0
Stddev	9.3	50.	11.7
%RSD	.22900	.08481	.26957
#1	4047.3	59258.	4365.3
#2	4034.3	59329.	4348.7

Sample Name: 280-19457-c-2-a Acquired: 8/25/2011 20:13:30 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82837 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**-.00117**	**-.00042**	**.02741**	**.00849**	**-.00010**	**.00429**	**49.063**	**.00033**	**-.00026**
Stddev	.00013	.00262	.00104	.00007	.00004	.00004	.00206	.037	.00016	.00011
%RSD	80.238	223.10	245.91	.26816	.48980	40.056	47.965	.07535	49.763	43.632
#1	-.00025	-.00303	-.00116	.02736	.00846	-.00007	.00575	49.090	.00045	-.00018
#2	-.00007	.00068	.00031	.02746	.00851	-.00013	.00284	49.037	.00021	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00416**	**.00221**	**.00737**	**6.8451**	**.01207**	**24.867**	**.00023**	**.00267**	**20.738**	**-.00025**
Stddev	.00003	.00018	.00206	.0123	.00127	.061	.00006	.00040	.356	.00005
%RSD	.83594	8.2471	27.887	.18034	10.487	.24456	26.070	15.025	1.7143	22.074
#1	.00419	.00234	.00883	6.8363	.01296	24.910	.00027	.00239	20.487	-.00029
#2	.00414	.00208	.00592	6.8538	.01117	24.824	.00018	.00296	20.990	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03502**	**.00135**	**7.2719**	**-.00053**	**-.00146**	**24.155**	**-.00173**	**.30435**	**-.00094**	**-.00012**
Stddev	.00289	.00062	.0050	.00000	.00137	.052	.00018	.00097	.00043	.00006
%RSD	8.2469	46.016	.06829	.05090	93.617	.21658	10.258	.31904	46.223	48.487
#1	.03706	.00091	7.2754	-.00053	-.00049	24.118	-.00161	.30504	-.00124	-.00008
#2	.03298	.00178	7.2684	-.00053	-.00242	24.192	-.00186	.30367	-.00063	-.00016
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00209**	**.05260**	**.02919**	**.00265**	**.00427**
Stddev	.00027	.00693	.00003	.00005	.00323
%RSD	12.747	13.173	.09270	1.7636	75.694
#1	.00190	.04770	.02917	.00262	.00198
#2	.00228	.05750	.02921	.00269	.00656
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4023.9**	**59000.**	**4364.2**
Stddev	.6	110.	11.1
%RSD	.01520	.18685	.25523
#1	4024.4	58922.	4356.3
#2	4023.5	59078.	4372.1

Sample Name: 280-19457-c-3-a Acquired: 8/25/2011 20:16:04 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82837 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00424**	**-.00169**	**.00116**	**-.00015**	**-.00003**	**.00037**	**.05064**	**.00026**	**-.00003**
Stddev	.00030	.00134	.00178	.00007	.00005	.00007	.00006	.00080	.00023	.00008
%RSD	638.31	31.690	105.35	5.8186	34.003	197.72	16.207	1.5820	89.136	254.43
#1	-.00026	.00519	-.00294	.00111	-.00011	-.00008	.00041	.05121	.00042	.00003
#2	.00016	.00329	-.00043	.00121	-.00018	.00001	.00033	.05007	.00009	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00118**	**.00521**	**.06077**	**-.00098**	**.00899**	**.00017**	**-.00035**	**.14475**	**-.00009**
Stddev	.00002	.00042	.00300	.02852	.00129	.00025	.00004	.00015	.00197	.00012
%RSD	16.557	35.297	57.609	46.926	130.79	2.8306	21.477	44.048	1.3577	124.39
#1	-.00014	.00088	.00733	.08093	-.00189	.00881	.00019	-.00046	.14614	-.00001
#2	-.00011	.00147	.00309	.04060	-.00007	.00917	.00014	-.00024	.14336	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**-.00085**	**.02054**	**-.00108**	**.00303**	**.00918**	**-.00026**	**.00035**	**-.00247**	**.00023**
Stddev	.00211	.00261	.00141	.00013	.00330	.02388	.00041	.00003	.00358	.00036
%RSD	310.90	308.65	6.8630	11.718	108.68	260.14	156.61	9.2194	145.21	159.01
#1	.00081	.00100	.01955	-.00117	.00536	-.00771	.00003	.00033	.00007	-.00003
#2	-.00217	-.00270	.02154	-.00099	.00070	.02606	-.00055	.00037	-.00500	.00048
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**.03272**	**-.00002**	**.00290**	**.00551**
Stddev	.00099	.00745	.00005	.00022	.00157
%RSD	64.105	22.763	246.29	7.4784	28.408
#1	.00225	.03799	.00002	.00306	.00662
#2	.00084	.02745	-.00006	.00275	.00440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4130.8**	**61470.**	**4381.4**
Stddev	3.0	183.	4.8
%RSD	.07361	.29717	.10921
#1	4132.9	61341.	4378.0
#2	4128.6	61599.	4384.7

Sample Name: 280-19457-c-4-a Acquired: 8/25/2011 20:18:41 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82837 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00013	.00346	.00013	.01863	.01534	-.00006	.00348	29.155	.00049	-.00039
Stddev	.00052	.00151	.00033	.00052	.00045	.00009	.00115	.090	.00026	.00025
%RSD	386.95	43.698	247.07	2.7903	2.9603	150.40	33.108	.31032	53.296	62.296
#1	-.00023	.00453	-.00010	.01899	.01502	-.00012	.00430	29.219	.00030	-.00022
#2	.00050	.00239	.00036	.01826	.01566	.00000	.00267	29.091	.00067	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00651	.00192	-.00097	5.1765	.01443	16.545	.00024	.00324	28.996	.00012
Stddev	.00003	.00014	.00003	.0359	.00238	.023	.00009	.00005	.276	.00004
%RSD	.47315	7.4378	2.8577	.69385	16.490	.14117	39.564	1.4304	.95126	28.811
#1	.00653	.00202	-.00099	5.2018	.01275	16.529	.00017	.00321	29.191	.00015
#2	.00649	.00182	-.00095	5.1511	.01611	16.562	.00030	.00327	28.801	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02773	.00151	7.0266	-.00193	-.00038	22.860	-.00033	.13239	-.00283	.00008
Stddev	.00004	.00108	.0015	.00194	.00161	.014	.00044	.00026	.00037	.00012
%RSD	.15604	71.474	.02208	100.13	420.22	.06118	131.48	.19725	13.063	160.41
#1	.02776	.00075	7.0255	-.00056	-.00153	22.870	-.00064	.13257	-.00309	-.00001
#2	.02770	.00227	7.0277	-.00331	.00076	22.850	-.00002	.13220	-.00256	.00017
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00062	.06110	.02394	.00388	.00239
Stddev	.00130	.01377	.00000	.00021	.00361
%RSD	208.35	22.540	.00291	5.3878	151.22
#1	-.00030	.05136	.02394	.00374	.00494
#2	.00154	.07084	.02394	.00403	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4024.8	59334.	4359.7
Stddev	8.3	27.	.6
%RSD	.20607	.04612	.01433
#1	4030.6	59315.	4360.1
#2	4018.9	59354.	4359.2

Sample Name: 280-19457-c-5-a Acquired: 8/25/2011 20:21:16 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82837 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	-.00115	.00143	.02245	.01156	-.00002	.00261	38.007	.00050	-.00042
Stddev	.00025	.00126	.00015	.00000	.00011	.00005	.00077	.064	.00000	.00034
%RSD	2406.5	109.52	10.531	.01232	.98267	228.23	29.344	.16720	.60940	81.951
#1	.00017	-.00026	.00153	.02245	.01148	-.00005	.00316	37.962	.00050	-.00066
#2	-.00019	-.00205	.00132	.02245	.01164	.00001	.00207	38.052	.00050	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00705	.00231	.00415	5.8763	.01283	22.463	.00010	.00256	20.397	-.00015
Stddev	.00014	.00015	.00103	.0235	.00404	.004	.00003	.00012	.108	.00003
%RSD	1.9349	6.6264	24.871	.40056	31.477	.01954	32.324	4.7590	.52869	21.841
#1	.00695	.00242	.00342	5.8930	.00997	22.466	.00012	.00265	20.474	-.00018
#2	.00715	.00220	.00488	5.8597	.01568	22.460	.00008	.00248	20.321	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02783	.00070	10.430	-.00144	.00437	24.658	-.00031	.17787	-.00327	-.00024
Stddev	.00108	.00136	.029	.00084	.00052	.059	.00001	.00019	.00024	.00020
%RSD	3.8644	194.62	.27481	58.236	11.843	.23972	2.0610	.10716	7.2879	83.764
#1	.02707	-.00026	10.450	-.00085	.00473	24.616	-.00032	.17773	-.00310	-.00038
#2	.02859	.00166	10.409	-.00203	.00400	24.700	-.00031	.17800	-.00343	-.00010
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00226	.05868	.02976	.00166	.00281
Stddev	.00227	.02248	.00008	.00051	.00113
%RSD	100.83	38.303	.28463	30.741	40.195
#1	.00065	.07458	.02982	.00202	.00201
#2	.00386	.04279	.02970	.00130	.00361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4006.6	58855.	4384.1
Stddev	7.9	89.	2.7
%RSD	.19745	.15184	.06133
#1	4001.0	58792.	4386.0
#2	4012.2	58918.	4382.2

Sample Name: 280-19457-c-6-a Acquired: 8/25/2011 20:23:50 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82837 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	.00121	-.00211	.02196	.01178	-.00008	.00422	38.220	.00027	-.00056
Stddev	.00033	.00018	.00099	.00031	.00027	.00002	.00258	.078	.00031	.00003
%RSD	3198.8	15.229	46.968	1.4064	2.2769	20.008	61.261	.20313	113.85	5.0222
#1	.00022	.00134	-.00281	.02174	.01197	-.00007	.00604	38.275	.00050	-.00054
#2	-.00024	.00108	-.00141	.02218	.01159	-.00009	.00239	38.166	.00005	-.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00710	.00205	.00015	5.8416	.01430	22.394	.00004	.00255	20.140	-.00013
Stddev	.00008	.00003	.00199	.0389	.00001	.007	.00001	.00018	.272	.00022
%RSD	1.1130	1.6708	1345.9	.66554	.05842	.03103	27.003	6.8822	1.3496	165.16
#1	.00704	.00207	.00156	5.8691	.01430	22.399	.00003	.00243	19.948	-.00028
#2	.00716	.00202	-.00126	5.8141	.01429	22.389	.00004	.00268	20.332	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02796	-.00058	10.467	-.00069	-.00138	24.882	-.00065	.17836	-.00319	.00007
Stddev	.00100	.00045	.003	.00150	.00102	.035	.00065	.00041	.00058	.00067
%RSD	3.5882	77.385	.02967	215.95	74.089	.13897	99.358	.23179	18.268	890.41
#1	.02867	-.00026	10.465	-.00175	-.00211	24.907	-.00112	.17865	-.00360	.00054
#2	.02726	-.00090	10.469	.00037	-.00066	24.858	-.00019	.17806	-.00278	-.00040
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00170	.04116	.02939	.00153	.00540
Stddev	.00034	.02175	.00040	.00029	.00065
%RSD	19.773	52.831	1.3762	18.692	12.045
#1	.00147	.05654	.02967	.00133	.00494
#2	.00194	.02579	.02910	.00174	.00586
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4017.2	59406.	4397.8
Stddev	.4	141.	28.4
%RSD	.00947	.23764	.64642
#1	4016.9	59307.	4377.7
#2	4017.4	59506.	4417.9

Sample Name: CCVH-940568 Acquired: 8/25/2011 20:26:23 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02110**	**49.783**	**-.00677**	**.00048**	**-.00015**	**-.00020**	**1.0223**	**.02199**	**-.00096**	**.00221**	**.00000**	**-.00176**	**50.730**
Stddev	.00056	.254	.00009	.00014	.00021	.00002	.0017	.00652	.00010	.00022	.00013	.00044	.295
%RSD	2.6566	.50976	1.2668	29.199	134.51	11.936	.16532	29.654	10.279	9.8275	16145.	24.798	.58151
#1	-.02149	49.603	-.00683	.00038	-.00030	-.00022	1.0211	.02661	-.00089	.00206	.00009	-.00145	50.521
#2	-.02070	49.962	-.00671	.00058	-.00001	-.00018	1.0235	.01738	-.00103	.00236	-.00009	-.00207	50.938
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16671**	**.00116**	**-.10244**	**.00096**	**-.00231**	**262.79**	**.00112**	**.00085**	**-.00098**	**5.0198**	**-.01091**	**.01088**	**.02956**
Stddev	.00748	.00492	.00283	.00004	.00041	1.00	.00027	.00179	.00030	.0461	.00003	.00886	.00178
%RSD	4.4847	423.68	2.7637	3.7709	17.798	.37949	24.016	210.22	30.921	.91804	.24024	81.467	6.0344
#1	.16142	.00464	-.10044	.00099	-.00260	262.08	.00130	-.00041	-.00120	4.9872	-.01093	.01714	.02830
#2	.17199	-.00232	-.10445	.00094	-.00202	263.49	.00093	.00211	-.00077	5.0523	-.01089	.00461	.03082
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00128**	**.00049**	**5.0316**	**.00213**	**.00489**	**10.591**	**-.00920**	**.00486**	**.01406**
Stddev	.00070	.00007	.0043	.00002	.00010	.003	.00016	.00025	.00451
%RSD	54.460	13.848	.08620	1.0583	1.9627	.03247	1.7121	5.1503	32.099
#1	.00177	.00053	5.0347	.00211	.00496	10.593	-.00908	.00504	.01087
#2	.00079	.00044	5.0286	.00214	.00483	10.588	-.00931	.00468	.01726
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3914.3**	**57321.**	**4337.2**
Stddev	6.2	12.	12.6
%RSD	.15719	.02127	.29153
#1	3918.7	57313.	4346.1
#2	3910.0	57330.	4328.2

Sample Name: CCV-940591 Acquired: 8/25/2011 20:28:54 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53676**	**.51771**	**1.0322**	**.51535**	**.52055**	**.50100**	**.00423**	**4.9611**	**.52225**	**.51318**	**.51160**	**.52547**	**2.4844**	**50.940**
Stddev	.00108	.00190	.0088	.00115	.00086	.00049	.00246	.0107	.00016	.00063	.00039	.00063	.0094	.027
%RSD	.20206	.36761	.85448	.22409	.16612	.09733	58.097	.21622	.03133	.12231	.07715	.11945	.37797	.05384
#1	.53600	.51637	1.0384	.51453	.52117	.50135	.00596	4.9687	.52214	.51274	.51132	.52503	2.4910	50.960
#2	.53753	.51906	1.0260	.51617	.51994	.50066	.00249	4.9535	.52237	.51363	.51188	.52592	2.4778	50.921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0205**	**20.950**	**.52068**	**.51386**	**5.3073**	**.51168**	**.99519**	**1.0438**	**.00745**	**1.0217**	**1.0269**	**4.9387**	**1.0230**	**.52133**
Stddev	.0018	.017	.00001	.00153	.0504	.00066	.00077	.0015	.00159	.0060	.0050	.0148	.0017	.00088
%RSD	.17184	.08144	.00141	.29834	.95039	.12989	.07741	.14254	21.330	.58215	.48196	.29898	.16390	.16944
#1	1.0217	20.962	.52067	.51494	5.3429	.51121	.99574	1.0427	.00632	1.0259	1.0304	4.9492	1.0241	.52196
#2	1.0192	20.938	.52068	.51277	5.2716	.51215	.99465	1.0448	.00857	1.0175	1.0234	4.9283	1.0218	.52071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.50691**	**1.0485**	**.03545**	**.52481**	**.52234**	**.50766**
Stddev	.00095	.00037	.0013	.02441	.00037	.00273	.00070
%RSD	1032.3	.07344	.12351	68.857	.07080	.52289	.13776
#1	-.00058	.50717	1.0494	.05271	.52455	.52040	.50717
#2	.00076	.50664	1.0476	.01819	.52507	.52427	.50816
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4018.1**	**59296.**	**4369.4**
Stddev	1.1	162.	5.4
%RSD	.02655	.27356	.12285
#1	4018.8	59181.	4373.2
#2	4017.3	59411.	4365.7

Sample Name: CCB Acquired: 8/25/2011 20:31:16 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.00005	.00171	.00027	-.00033	.00001	.00012	-.00029	.00038	-.00007	.00018
Stddev	.00023	.00031	.00400	.00014	.00021	.00002	.00137	.00126	.00005	.00022	.00023
%RSD	403.55	659.95	233.00	51.764	62.966	169.52	1116.9	438.38	12.191	300.91	130.77
#1	.00022	-.00017	-.00111	.00037	-.00018	.00002	.00109	-.00118	.00035	.00008	.00001
#2	-.00011	.00027	.00454	.00017	-.00048	.00000	-.00085	.00060	.00041	-.00022	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00059	-.00160	.05251	W .00472	-.00142	-.00004	.00269	.06389	-.00013	-.00222	-.00016
Stddev	.00028	.00188	.01685	.00130	.00039	.00002	.00100	.00904	.00024	.00089	.00151
%RSD	47.163	117.98	32.089	27.524	27.352	41.637	37.145	14.149	185.41	39.923	976.14
#1	.00039	-.00293	.06442	.00564	-.00115	-.00003	.00198	.05750	-.00029	-.00159	-.00123
#2	.00078	-.00026	.04059	.00380	-.00170	-.00005	.00340	.07028	.00004	-.00284	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01178	F .00679	W .00496	-.00430	.00042	.00018	-.00284	.00052	.00122	.04536	-.00003
Stddev	.00311	.00223	.00120	.01009	.00019	.00006	.00093	.00022	.00164	.00640	.00005
%RSD	26.394	32.878	24.270	234.64	44.964	34.692	32.634	42.997	134.41	14.121	141.90
#1	.01398	.00521	.00411	.00284	.00029	.00014	-.00219	.00036	.00238	.04083	.00000
#2	.00958	.00836	.00581	-.01144	.00056	.00023	-.00350	.00068	.00006	.04988	-.00006
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	.00165	W .00467
Stddev	.00059	.00263
%RSD	35.594	56.236
#1	.00207	.00653
#2	.00124	.00281
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	4057.0	60811.	4334.1
Stddev	12.5	94.	7.1
%RSD	.30873	.15501	.16494
#1	4048.1	60744.	4329.1
#2	4065.8	60877.	4339.2

Sample Name: CCVL942742 Acquired: 8/25/2011 20:33:52 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01141**	**.10626**	**.01420**	**.10227**	**.01052**	**.00096**	F **.13284**	**.20146**	**.00544**	**.01076**	**.01052**
Stddev	.00014	.00106	.00254	.00011	.00028	.00012	.00053	.00557	.00002	.00035	.00018
%RSD	1.2568	.99802	17.909	.10275	2.6244	12.859	.39640	2.7646	.38325	3.2847	1.6725
#1	.01131	.10701	.01600	.10219	.01072	.00087	.13247	.19752	.00546	.01101	.01065
#2	.01152	.10551	.01241	.10234	.01033	.00104	.13321	.20540	.00543	.01051	.01040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01714**	**.10009**	**3.1366**	**.01106**	**.22204**	**.01086**	**.01987**	**1.1130**	**.04219**	**2.9100**	**.00930**
Stddev	.00016	.00093	.0148	.00554	.00151	.00007	.00020	.0123	.00026	.0062	.00164
%RSD	.95873	.92496	.47124	50.055	.67841	.67911	1.0253	1.1073	.61423	.21294	17.638
#1	.01703	.09943	3.1471	.01498	.22310	.01091	.01972	1.1217	.04201	2.9144	.00814
#2	.01726	.10074	3.1262	.00715	.22097	.01080	.02001	1.1043	.04238	2.9057	.01045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00853**	**.00870**	**.01423**	**.47417**	**.10231**	**.01081**	**.01450**	**.01035**	W **.01903**	F **.11921**	**.01039**
Stddev	.00375	.00125	.00116	.00076	.00074	.00005	.00031	.00024	.00146	.00018	.00007
%RSD	43.923	14.410	8.1651	.16076	.72440	.47110	2.1479	2.3652	7.6743	.15234	.68797
#1	.00588	.00781	.01341	.47363	.10283	.01078	.01428	.01018	.02007	.11934	.01034
#2	.01118	.00958	.01505	.47471	.10179	.01085	.01472	.01052	.01800	.11908	.01044
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass
Value									.01500	.06000	
Range									20.000%	30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02262**	W **.01919**
Stddev	.00000	.00231
%RSD	.01793	12.030
#1	.02263	.02082
#2	.02262	.01756
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4101.0**	**61320.**	**4377.5**
Stddev	4.1	22.	14.4
%RSD	.09982	.03543	.32884
#1	4098.1	61335.	4367.3
#2	4103.9	61304.	4387.7

Sample Name: mb 280-82828/1-a Acquired: 8/25/2011 20:36:25 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00016	.01323	-.00496	W .00953	.00066	-.00001	.00095	W .10512	.00050	-.00015
Stddev	.00006	.00007	.00484	.00077	.00007	.00003	.00112	.00278	.00007	.00017
%RSD	40.902	.54835	97.514	8.1290	10.913	219.50	117.33	2.6435	14.912	113.88
#1	-.00011	.01328	-.00154	.01007	.00061	-.00004	.00174	.10708	.00044	-.00027
#2	-.00020	.01318	-.00838	.00898	.00071	.00001	.00016	.10315	.00055	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				.00500				.10000		
Low Limit				-.00500				-.10000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00038	.00231	W .03956	.07492	-.00120	.02314	.00081	.00002	.16903	.00076
Stddev	.00003	.00023	.00444	.02262	.00222	.00186	.00001	.00011	.02738	.00037
%RSD	8.3991	9.8639	11.216	30.195	184.85	8.0450	1.1021	464.44	16.198	49.088
#1	.00036	.00215	.04269	.05892	-.00277	.02183	.00082	.00010	.14967	.00049
#2	.00041	.00247	.03642	.09092	.00037	.02446	.00080	-.00005	.18840	.00102
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.03000							
Low Limit			-.05000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00407	-.00073	.03729	.00043	.00017	W .06911	.00664	.00045	-.00235	.00110
Stddev	.00406	.00080	.00040	.00275	.00144	.00425	.00033	.00007	.00175	.00016
%RSD	99.926	110.44	1.0697	636.75	851.88	6.1551	5.0302	16.557	74.235	14.258
#1	.00119	-.00016	.03757	-.00151	.00118	.07212	.00640	.00040	-.00359	.00099
#2	.00694	-.00129	.03701	.00237	-.00085	.06610	.00687	.00050	-.00112	.00121
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.05000				
Low Limit						-.05000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00108	.04939	-.00043	W .00612	.00477
Stddev	.00109	.00273	.00012	.00026	.00290
%RSD	100.37	5.5262	28.412	4.2315	60.769
#1	-.00185	.04746	-.00034	.00630	.00272
#2	-.00031	.05132	-.00052	.00594	.00683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				.00500	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4095.3	61805.	4463.0
Stddev	14.2	109.	9.1
%RSD	.34557	.17702	.20324
#1	4105.3	61728.	4456.6
#2	4085.3	61883.	4469.4

Sample Name: lcs 280-82828/2-a Acquired: 8/25/2011 20:39:02 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04815**	**1.8590**	**.97864**	**1.0176**	**2.0027**	**.04806**	F **2.2682**	**46.919**	**.10187**	**.47851**
Stddev	.00075	.0126	.00502	.0019	.0087	.00001	.0104	.144	.00040	.00140
%RSD	1.5655	.67605	.51287	.18312	.43459	.02398	.45952	.30742	.39737	.29174
#1	.04868	1.8679	.98219	1.0189	2.0089	.04805	2.2756	47.021	.10216	.47949
#2	.04762	1.8501	.97509	1.0163	1.9966	.04806	2.2608	46.817	.10159	.47752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19438**	**.25252**	**.96776**	**49.436**	**.98071**	**48.899**	**.49039**	**1.0089**	**50.973**	**.47429**
Stddev	.00047	.00041	.00057	.267	.00385	.058	.00073	.0050	.874	.00144
%RSD	.23950	.16046	.05910	.53912	.39300	.11855	.14956	.49762	1.7145	.30335
#1	.19471	.25224	.96736	49.625	.98344	48.940	.49091	1.0125	51.591	.47531
#2	.19405	.25281	.96817	49.248	.97798	48.858	.48987	1.0054	50.355	.47327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6026**	**.48250**	**.05044**	**.49012**	**1.9223**	**2.8790**	**1.9734**	**1.0059**	**.95551**	**1.0180**
Stddev	.0212	.00210	.00034	.00778	.0077	.0181	.0055	.0038	.00159	.0003
%RSD	.22051	.43590	.67010	1.5875	.40049	.62818	.27975	.37823	.16608	.03137
#1	9.6176	.48399	.05020	.49562	1.9277	2.8662	1.9773	1.0086	.95439	1.0183
#2	9.5876	.48101	.05068	.48462	1.9168	2.8918	1.9695	1.0033	.95663	1.0178
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9369**	**2.1020**	**.50308**	**.49042**	**.50768**
Stddev	.0106	.0451	.00036	.00059	.00198
%RSD	.54615	2.1456	.07114	.12019	.38917
#1	1.9443	2.1339	.50333	.49084	.50908
#2	1.9294	2.0701	.50282	.49001	.50629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3949.5**	**58230.**	**4380.4**
Stddev	2.5	233.	13.3
%RSD	.06399	.40005	.30323
#1	3947.7	58065.	4371.0
#2	3951.2	58394.	4389.8

Sample Name: 280-19387-b-1-e Acquired: 8/25/2011 20:41:22 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00043	253.71	.07143	.11972	2.2503	.01355	.00396	67.194	.00847	.08493
Stddev	.00014	.83	.00456	.00050	.0079	.00004	.00273	.232	.00055	.00018
%RSD	32.716	.32670	6.3858	.41805	.35018	.30388	69.011	.34493	6.5073	.21567
#1	.00033	253.13	.07465	.12008	2.2447	.01352	.00203	67.030	.00808	.08506
#2	.00053	254.30	.06820	.11937	2.2559	.01358	.00589	67.358	.00886	.08480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.25095	.29339	252.29	76.416	.24326	95.558	5.4236	.00662	2.5717	.22903
Stddev	.00023	.00010	.90	.261	.00222	.218	.0030	.00088	.0038	.00023
%RSD	.09004	.03272	.35791	.34212	.91097	.22779	.05607	13.305	.14893	.09938
#1	.25079	.29345	251.65	76.231	.24169	95.404	5.4215	.00600	2.5690	.22919
#2	.25111	.29332	252.93	76.601	.24482	95.712	5.4258	.00724	2.5744	.22886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.031	.20120	1.9681	-.00543	.00557	3.9565	-.00079	.44971	.10259	7.9208
Stddev	.019	.00043	.0077	.00338	.00390	.0045	.00019	.00171	.00202	.0086
%RSD	.13538	.21408	.38934	62.312	70.059	.11257	23.914	.38042	1.9693	.10845
#1	14.045	.20151	1.9735	-.00782	.00281	3.9596	-.00092	.44850	.10402	7.9147
#2	14.018	.20090	1.9627	-.00304	.00833	3.9533	-.00066	.45092	.10116	7.9268
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00394	.00703	.13333	1.1698	.75181
Stddev	.00180	.01591	.00069	.0024	.00609
%RSD	45.726	226.26	.51852	.20717	.80966
#1	.00267	-.00422	.13284	1.1681	.74750
#2	.00522	.01828	.13382	1.1715	.75611
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4764.9	68583.	5507.2
Stddev	4.0	13.	27.0
%RSD	.08331	.01829	.49102
#1	4767.7	68592.	5526.3
#2	4762.1	68574.	5488.1

Sample Name: 280-19387-b-2-g Acquired: 8/25/2011 20:44:37 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**256.91**	**.06680**	**.11108**	**2.3131**	**.01371**	**.00416**	**67.824**	**.00804**	**.08256**
Stddev	.00056	1.90	.00594	.01016	.0180	.00020	.00152	.482	.00057	.00777
%RSD	109.07	.73993	8.8895	9.1435	.77630	1.4753	36.574	.71059	7.0755	9.4056
#1	.00090	255.56	.07100	.11826	2.3004	.01357	.00308	67.484	.00844	.08805
#2	.00012	258.25	.06260	.10390	2.3258	.01385	.00524	68.165	.00764	.07707
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24097**	**.30030**	**257.77**	**76.979**	**.24660**	**98.302**	**5.6483**	**.00268**	**2.6069**	**.22120**
Stddev	.02056	.00368	2.20	.599	.00135	1.227	.0384	.00025	.0255	.01845
%RSD	8.5323	1.2247	.85387	.77772	.54938	1.2480	.67926	9.3872	.97957	8.3403
#1	.25551	.29770	256.22	76.555	.24565	97.434	5.6211	.00286	2.5889	.23424
#2	.22644	.30290	259.33	77.402	.24756	99.169	5.6754	.00250	2.6250	.20815
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.658**	**.19335**	**1.8783**	**-.00623**	**-.00299**	**4.5320**	**.00039**	**.45515**	**.08984**	**8.0856**
Stddev	1.055	.01308	.1621	.00101	.00296	.0513	.00009	.00341	.00102	.1001
%RSD	7.7256	6.7639	8.6292	16.145	99.107	1.1311	23.316	.74979	1.1312	1.2382
#1	14.404	.20260	1.9929	-.00552	-.00089	4.4957	.00045	.45273	.09056	8.0148
#2	12.912	.18410	1.7636	-.00694	-.00508	4.5682	.00032	.45756	.08912	8.1564
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00443**	**.01960**	**.13222**	**1.1962**	**.77308**
Stddev	.00071	.02428	.00289	.0139	.00268
%RSD	15.975	123.88	2.1858	1.1650	.34642
#1	.00393	.00243	.13018	1.1864	.77118
#2	.00493	.03677	.13426	1.2061	.77497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4907.4**	**68776.**	**5552.8**
Stddev	158.3	417.	7.3
%RSD	3.2267	.60637	.13094
#1	4795.4	69071.	5557.9
#2	5019.3	68481.	5547.6

Sample Name: 280-19387-e-3-i Acquired: 8/25/2011 20:47:54 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**20.150**	**.00816**	**.00644**	**.21050**	**.00094**	**.00379**	**6.8788**	**.00056**	**.00646**
Stddev	.00028	.735	.00242	.00066	.00803	.00007	.00076	.2666	.00008	.00027
%RSD	227.03	3.6482	29.616	10.265	3.8149	7.0921	20.098	3.8759	14.850	4.1335
#1	-.00032	20.670	.00987	.00691	.21618	.00099	.00325	7.0674	.00062	.00665
#2	.00007	19.631	.00645	.00597	.20482	.00090	.00433	6.6903	.00050	.00627
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01846**	**.01734**	**19.955**	**5.1600**	**.01697**	**6.6189**	**.56852**	**-.00026**	**.21816**	**.01585**
Stddev	.00097	.00098	.741	.1882	.00048	.3056	.02636	.00010	.00189	.00101
%RSD	5.2561	5.6368	3.7115	3.6467	2.8123	4.6166	4.6365	36.912	.86726	6.4014
#1	.01914	.01803	20.479	5.2931	.01731	6.8350	.58716	-.00033	.21682	.01657
#2	.01777	.01665	19.431	5.0270	.01663	6.4028	.54988	-.00019	.21949	.01513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94407**	**.01418**	**.21311**	**-.00315**	W **-.00685**	**.31217**	**-.00072**	**.03534**	**.00442**	**.59891**
Stddev	.04973	.00029	.00825	.00006	.00063	.00988	.00004	.00132	.00102	.02738
%RSD	5.2675	2.0243	3.8735	1.8537	9.1572	3.1638	4.9757	3.7371	23.038	4.5722
#1	.97923	.01398	.21894	-.00311	-.00729	.31915	-.00074	.03627	.00514	.61828
#2	.90890	.01438	.20727	-.00319	-.00640	.30519	-.00069	.03440	.00370	.57955
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00543**	**-.02127**	**.01270**	**.08717**	**.05897**
Stddev	.00026	.01369	.00022	.00395	.00471
%RSD	4.7190	64.339	1.7676	4.5312	7.9857
#1	.00561	-.03095	.01286	.08996	.06230
#2	.00525	-.01160	.01254	.08437	.05564
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6819.2**	**99843.**	**6790.2**
Stddev	22.2	18.	27.9
%RSD	.32596	.01845	.41086
#1	6803.5	99856.	6770.5
#2	6834.9	99830.	6810.0

Sample Name: 280-19387-e-3-iSD@5 Acquired: 8/25/2011 20:50:24 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**22.171**	**.00538**	**.01212**	**.23797**	**.00120**	**.00235**	**7.8789**	**.00103**	**.00965**
Stddev	.00008	.173	.00042	.00027	.00118	.00011	.00397	.0624	.00008	.00019
%RSD	22.028	.77873	7.7746	2.2227	.49730	9.4366	168.56	.79255	8.1307	1.9891
#1	-.00030	22.049	.00509	.01193	.23713	.00112	-.00045	7.8348	.00108	.00978
#2	-.00041	22.293	.00568	.01231	.23881	.00128	.00516	7.9231	.00097	.00951
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02652**	**.02576**	**22.834**	**5.5810**	**.02317**	**8.2341**	**.70099**	**.00025**	**.21926**	**.02435**
Stddev	.00034	.00049	.153	.0333	.00159	.1055	.00993	.00007	.00335	.00007
%RSD	1.2860	1.8995	.67144	.59735	6.8642	1.2806	1.4169	27.440	1.5286	.26742
#1	.02676	.02610	22.725	5.5574	.02204	8.3087	.70801	.00020	.21689	.02439
#2	.02628	.02541	22.942	5.6046	.02429	8.1595	.69397	.00030	.22163	.02430
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2821**	**.02128**	**.30318**	**-.00141**	**-.00335**	**.37118**	**-.00029**	**.04015**	**.00774**	**.74109**
Stddev	.0039	.00164	.00312	.00137	.00211	.02007	.00024	.00032	.00043	.01240
%RSD	.30343	7.7224	1.0294	97.023	62.981	5.4061	80.298	.78774	5.5831	1.6732
#1	1.2793	.02012	.30097	-.00237	-.00484	.38537	-.00046	.03993	.00805	.74986
#2	1.2848	.02244	.30539	-.00044	-.00186	.35699	-.00013	.04037	.00744	.73232
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00383**	**.00178**	**.01600**	**.10538**	**.06100**
Stddev	.00065	.00538	.00018	.00212	.00025
%RSD	16.839	302.40	1.1033	2.0075	.40681
#1	.00338	-.00203	.01587	.10687	.06082
#2	.00429	.00559	.01612	.10388	.06118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5216.9**	**77057.**	**5584.7**
Stddev	8.8	503.	14.6
%RSD	.16829	.65243	.26159
#1	5210.7	77412.	5595.0
#2	5223.1	76701.	5574.4

Sample Name: 280-19387-e-3-j ms Acquired: 8/25/2011 20:52:54 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02654**	**133.31**	**.57121**	**.56180**	**2.3203**	**.03183**	**1.1979**	**64.401**	**.05905**	**.30276**
Stddev	.00029	.63	.00264	.00022	.0114	.00016	.0041	.256	.00026	.00003
%RSD	1.0794	.47561	.46238	.03961	.49262	.51392	.34521	.39679	.44529	.00841
#1	.02633	133.76	.57308	.56165	2.3284	.03194	1.2008	64.582	.05924	.30274
#2	.02674	132.86	.56934	.56196	2.3122	.03171	1.1949	64.221	.05887	.30278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26024**	**.26839**	**119.07**	**60.545**	**.64127**	**69.772**	**3.6043**	**.50323**	**29.994**	**.37621**
Stddev	.00100	.00095	.98	.300	.00156	.253	.0155	.00140	.142	.00072
%RSD	.38307	.35572	.82527	.49568	.24324	.36330	.43009	.27743	.47508	.19209
#1	.26094	.26772	119.77	60.757	.64237	69.593	3.5933	.50421	29.893	.37672
#2	.25953	.26907	118.38	60.333	.64017	69.952	3.6152	.50224	30.095	.37570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.650**	**.35713**	**1.4235**	**.06356**	**1.0382**	**3.3557**	**.96249**	**.76411**	**.55895**	**5.4293**
Stddev	.026	.00011	.0031	.00281	.0001	.0010	.00035	.00343	.00493	.0265
%RSD	.22241	.03045	.21730	4.4133	.00859	.03122	.03622	.44951	.88134	.48749
#1	11.668	.35705	1.4257	.06158	1.0383	3.3564	.96225	.76654	.55546	5.4106
#2	11.631	.35721	1.4213	.06554	1.0382	3.3549	.96274	.76169	.56243	5.4480
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0107**	**1.0775**	**.38777**	**.79858**	**.57161**
Stddev	.0018	.0155	.00266	.00187	.00355
%RSD	.18102	1.4405	.68665	.23418	.62077
#1	1.0094	1.0666	.38588	.79726	.57412
#2	1.0120	1.0885	.38965	.79991	.56910
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5292.9**	**76339.**	**5832.3**
Stddev	2.8	212.	20.4
%RSD	.05294	.27799	.34957
#1	5294.9	76489.	5817.9
#2	5290.9	76189.	5846.7

Sample Name: 280-19387-e-3-k msd Acquired: 8/25/2011 20:55:21 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02706**	**135.59**	**.58709**	**.58323**	**2.3628**	**.03279**	**1.2324**	**66.430**	**.06112**	**.31116**
Stddev	.00048	1.12	.00419	.00047	.0219	.00028	.0001	.562	.00002	.00034
%RSD	1.7810	.82449	.71305	.08118	.92651	.86356	.00553	.84532	.02600	.10944
#1	.02740	136.38	.58413	.58356	2.3783	.03299	1.2324	66.827	.06111	.31092
#2	.02672	134.80	.59005	.58289	2.3473	.03259	1.2325	66.033	.06113	.31140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26444**	**.27473**	**120.89**	**61.661**	**.65261**	**71.015**	**3.6364**	**.52756**	**30.657**	**.38500**
Stddev	.00028	.00176	1.05	.630	.00438	.185	.0535	.00118	.427	.00033
%RSD	.10652	.64212	.86880	1.0210	.67186	.26036	1.4709	.22279	1.3923	.08673
#1	.26424	.27598	121.63	62.107	.65571	71.145	3.5986	.52673	30.959	.38477
#2	.26464	.27348	120.15	61.216	.64951	70.884	3.6743	.52839	30.355	.38524
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.794**	**.36755**	**1.4477**	**.06775**	**1.0669**	**3.5045**	**1.0012**	**.77942**	**.57620**	**5.4943**
Stddev	.017	.00032	.0018	.00033	.0020	.0063	.0008	.00781	.00352	.0153
%RSD	.13989	.08768	.12462	.48388	.18493	.17842	.07755	1.0015	.61082	.27754
#1	11.783	.36778	1.4489	.06798	1.0655	3.5089	1.0007	.78494	.57868	5.5051
#2	11.806	.36733	1.4464	.06752	1.0683	3.5001	1.0018	.77390	.57371	5.4835
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0362**	**1.1261**	**.39194**	**.81284**	**.58909**
Stddev	.0002	.0085	.00069	.00258	.00602
%RSD	.01621	.75858	.17731	.31731	1.0221
#1	1.0363	1.1201	.39243	.81467	.59335
#2	1.0361	1.1321	.39145	.81102	.58483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5290.2**	**76043.**	**5827.2**
Stddev	.1	61.	1.3
%RSD	.00222	.08046	.02221
#1	5290.1	75999.	5826.3
#2	5290.2	76086.	5828.1

Sample Name: 280-19387-e-3-iPDS Acquired: 8/25/2011 20:57:47 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02338**	**103.21**	**.15332**	**.10967**	**1.1914**	**.03325**	**-.00090**	**48.173**	**.03347**	**.07156**
Stddev	.00013	.78	.00198	.00008	.0092	.00032	.00004	.345	.00039	.00004
%RSD	.53976	.75255	1.2941	.07720	.77311	.95162	4.5908	.71667	1.1785	.06001
#1	.02329	103.76	.15192	.10961	1.1979	.03348	-.00087	48.417	.03319	.07153
#2	.02347	102.66	.15473	.10973	1.1849	.03303	-.00093	47.929	.03375	.07159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15084**	**.15873**	**112.10**	**38.779**	**.14808**	**50.316**	**3.2993**	**.03107**	**13.734**	**.14136**
Stddev	.00064	.00034	.89	.243	.00213	.168	.0427	.00010	.027	.00047
%RSD	.42458	.21219	.79825	.62620	1.4397	.33461	1.2953	.31146	.19544	.33559
#1	.15039	.15849	112.73	38.951	.14959	50.197	3.2691	.03114	13.715	.14102
#2	.15130	.15897	111.46	38.607	.14657	50.435	3.3295	.03100	13.753	.14169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.1302**	**.15417**	**1.4094**	**.04992**	**.11194**	**4.4448**	**.05309**	**.21863**	**.15732**	**3.6105**
Stddev	.0114	.00223	.0081	.00129	.00390	.0561	.00001	.00183	.00086	.0153
%RSD	.15938	1.4457	.57778	2.5757	3.4815	1.2615	.01365	.83483	.54624	.42420
#1	7.1221	.15259	1.4152	.04901	.11469	4.4844	.05308	.21992	.15793	3.5997
#2	7.1382	.15574	1.4037	.05083	.10918	4.4051	.05309	.21734	.15671	3.6213
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.11434**	**.26687**	**.09159**	**.61909**	**.30262**
Stddev	.00176	.01786	.00013	.00362	.00001
%RSD	1.5397	6.6919	.14056	.58450	.00255
#1	.11558	.25424	.09150	.61653	.30263
#2	.11309	.27950	.09168	.62165	.30261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5390.8**	**77348.**	**5865.0**
Stddev	11.4	191.	18.3
%RSD	.21107	.24757	.31194
#1	5398.9	77484.	5877.9
#2	5382.8	77213.	5852.0

Sample Name: CCVH-940568 Acquired: 8/25/2011 21:00:18 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01322**	F **30.099**	**-.00210**	**.00094**	**-.00043**	**-.00011**	F **.59761**	**.02324**	**-.00060**	**.00142**	**.00033**	**-.00304**
Stddev	.00024	.280	.00043	.00134	.00076	.00000	.00028	.00335	.00014	.00011	.00025	.00012
%RSD	1.8526	.92950	20.438	142.14	178.10	3.8959	.04758	14.421	22.868	7.7751	76.775	3.9056
#1	-.01305	30.297	-.00241	.00000	.00011	-.00011	.59781	.02561	-.00070	.00134	.00051	-.00296
#2	-.01339	29.902	-.00180	.00189	-.00097	-.00011	.59741	.02087	-.00051	.00150	.00015	-.00313
Check ?	None	Chk Fail	None	None	None	None	Chk Fail	None	None	None	None	None
Value		50.000					1.0000					
Range		-10.000%					-10.000%					

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **29.019**	**.07351**	**.00429**	**-.05943**	**.00072**	**-.00140**	F **158.24**	**.00036**	**.00057**	**-.00198**	**2.9822**	**-.00675**
Stddev	.293	.01916	.00105	.00183	.00007	.00019	1.88	.00005	.00055	.00151	.0037	.00037
%RSD	1.0106	26.063	24.391	3.0768	9.9986	13.356	1.1906	14.068	97.286	76.461	.12242	5.4575
#1	29.226	.05996	.00503	-.05814	.00077	-.00127	159.57	.00032	.00096	-.00091	2.9797	-.00649
#2	28.812	.08706	.00355	-.06072	.00067	-.00154	156.91	.00039	.00018	-.00305	2.9848	-.00701
Check ?	Chk Fail	None	None	None	None	None	Chk Fail	None	None	None	None	None
Value	50.000						250.00					
Range	-10.000%						-10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00595**	**.00652**	**.00019**	**.00053**	F **2.9892**	**.00339**	**.00532**	F **6.2629**	**-.00575**	**.00258**	**.00841**
Stddev	.00235	.00744	.00084	.00001	.0353	.00057	.00038	.1000	.00036	.00024	.00554
%RSD	39.435	114.10	452.88	1.2439	1.1797	16.936	7.0812	1.5971	6.3158	9.1992	65.829
#1	.00761	.01177	-.00041	.00053	2.9643	.00298	.00505	6.1922	-.00549	.00274	.01233
#2	.00429	.00126	.00078	.00053	3.0142	.00380	.00558	6.3336	-.00601	.00241	.00450
Check ?	None	None	None	None	Chk Fail	None	None	Chk Fail	None	None	None
Value					5.0000			10.000			
Range					-10.000%			-10.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4869.4**	**71382.**	**5168.2**
Stddev	.7	357.	2.9
%RSD	.01436	.49969	.05595
#1	4869.9	71635.	5170.2
#2	4868.9	71130.	5166.1

Sample Name: CCV-940591 Acquired: 8/25/2011 21:02:50 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.31708**	F **.34685**	F **.61527**	F **.30523**	F **.30814**	F **.29577**	**.00422**	F **2.9556**	F **.31038**	F **.30825**	F **.30825**	F **.30416**
Stddev	.00371	.00073	.00290	.00100	.00434	.00391	.00016	.0387	.00155	.00099	.00168	.00297
%RSD	1.1697	.21189	.47208	.32645	1.4077	1.3221	3.8974	1.3093	.49799	.32005	.54495	.97627
#1	.31446	.34737	.61322	.30453	.31121	.29854	.00433	2.9830	.30929	.30756	.30706	.30206
#2	.31970	.34633	.61733	.30594	.30507	.29301	.00410	2.9282	.31148	.30895	.30943	.30626
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	.50000	1.0000	.50000	.50000	.50000		5.0000	.50000	.50000	.50000	.50000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%	-10.000%	-10.000%	-10.000%

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.4782**	F **30.526**	F **.61664**	F **12.598**	F **.31230**	F **.30758**	F **3.2057**	F **.30792**	F **.61541**	F **.62428**	**.01114**	F **.59818**
Stddev	.0284	.376	.00177	.149	.00335	.00058	.0582	.00070	.00347	.00386	.00415	.00136
%RSD	1.9228	1.2304	.28653	1.1843	1.0729	.19008	1.8159	.22706	.56403	.61855	37.227	.22684
#1	1.4983	30.792	.61789	12.492	.30993	.30717	3.2468	.30742	.61295	.62155	.00821	.59722
#2	1.4581	30.261	.61539	12.703	.31466	.30799	3.1645	.30841	.61786	.62701	.01407	.59913
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail
Value	2.5000	50.000	1.0000	20.000	.50000	.50000	5.0000	.50000	1.0000	1.0000		1.0000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.61063**	F **2.9397**	F **.61449**	F **.30921**	**-.00182**	F **.30265**	F **.62274**	**.00482**	F **.31446**	F **.31970**	F **.29924**
Stddev	.00097	.0284	.00315	.00379	.00201	.00377	.00327	.00581	.00321	.00402	.00463
%RSD	.15833	.96581	.51326	1.2262	110.63	1.2452	.52521	120.36	1.0218	1.2572	1.5480
#1	.61132	2.9598	.61226	.31189	-.00324	.29998	.62043	.00893	.31219	.31686	.30251
#2	.60995	2.9196	.61672	.30653	-.00040	.30531	.62506	.00072	.31673	.32254	.29596
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail
Value	1.0000	5.0000	1.0000	.50000		.50000	1.0000		.50000	.50000	.50000
Range	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%		-10.000%	-10.000%	-10.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4984.7**	**73415.**	**5202.2**
Stddev	10.1	219.	28.5
%RSD	.20210	.29820	.54732
#1	4991.8	73569.	5182.0
#2	4977.6	73260.	5222.3

Sample Name: CCB Acquired: 8/25/2011 21:05:14 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**-.00137**	**-.00093**	**.00039**	W **-.00110**	**.00004**	**.00182**	**-.00205**	**.00021**	**.00000**	**.00015**
Stddev	.00023	.00051	.00061	.00039	.00053	.00006	.00116	.00114	.00010	.0003	.00006
%RSD	81.063	37.108	65.174	99.042	47.880	144.91	63.840	55.774	49.320	12766.	41.282
#1	-.00012	-.00101	-.00136	.00067	-.00073	.00009	.00100	-.00124	.00013	-.00024	.00019
#2	-.00045	-.00173	-.00050	.00012	-.00147	.00000	.00264	-.00286	.00028	.00024	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00058						
Low Limit					-.00058						

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00169**	**-.00041**	**-.03570**	**.00118**	**-.00074**	**.00000**	**.00059**	**.03671**	**-.00076**	**-.00248**	**-.00041**
Stddev	.00024	.00234	.01214	.00008	.00036	.00003	.00042	.00872	.00027	.00163	.00030
%RSD	13.972	575.15	33.995	6.8974	49.364	1330.7	71.779	23.750	36.196	65.807	73.096
#1	-.00186	.00125	-.02712	.00123	-.00048	.00002	.00029	.03054	-.00056	-.00133	-.00062
#2	-.00152	-.00206	-.04428	.00112	-.00100	-.00002	.00089	.04287	-.00095	-.00363	-.00020
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01235**	**.00102**	**-.00145**	**.00487**	**-.00028**	**.00023**	**-.00169**	W **.00066**	**.00409**	**.01790**	**-.00092**
Stddev	.00424	.00128	.00221	.00476	.00030	.00001	.00199	.00006	.00033	.03391	.00052
%RSD	34.322	125.68	153.23	97.830	108.29	2.8993	117.83	8.4810	8.0100	189.41	56.879
#1	.00935	.00011	-.00301	.00823	-.00050	.00023	-.00310	.00062	.00432	.04188	-.00129
#2	.01535	.00192	.00012	.00150	-.00007	.00024	-.00028	.00070	.00386	-.00607	-.00055
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit								.00060			
Low Limit								-.00060			

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00064**	F **.00554**
Stddev	.00048	.00204
%RSD	74.805	36.897
#1	.00097	.00699
#2	.00030	.00410
Check ?	Chk Pass	Chk Fail
High Limit		.00476
Low Limit		-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5172.8**	**77572.**	**5347.3**
Stddev	6.7	359.	10.0
%RSD	.12870	.46247	.18633
#1	5177.6	77825.	5354.3
#2	5168.1	77318.	5340.2

Sample Name: CCVL942742 Acquired: 8/25/2011 21:07:51 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00698**	W **.07265**	W **.01057**	F **.06094**	F **.00485**	F **.00065**	W **.07802**	F **.11794**	F **.00333**	F **.00627**	F **.00646**
Stddev	.00050	.00051	.00073	.00021	.00025	.00004	.00066	.00272	.00003	.00008	.00004
%RSD	7.2173	.70807	6.8672	.35234	5.2384	5.5960	.84828	2.3062	.83362	1.2798	.62673
#1	.00662	.07228	.01006	.06079	.00467	.00063	.07849	.11986	.00335	.00621	.00649
#2	.00733	.07301	.01109	.06109	.00503	.00068	.07755	.11601	.00331	.00632	.00643
Check ?	Chk Fail	Chk Warn	Chk Warn	Chk Fail	Chk Fail	Chk Fail	Chk Warn	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01000	.10000	.01500	.10000	.01000	.00100	.10000	.20000	.00500	.01000	.01000
Range	-30.000%	-20.000%	-20.000%	-30.000%	-30.000%	-30.000%	-20.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00822**	F **.05932**	F **1.8557**	**.00804**	F **.13417**	F **.00665**	F **.01170**	F **.67515**	F **.02544**	F **1.8273**	F **.00503**
Stddev	.00007	.00186	.0458	.00070	.00193	.00002	.00006	.01309	.00010	.0026	.00014
%RSD	.80070	3.1368	2.4693	8.6907	1.4352	.31651	.48450	1.9393	.38902	.14042	2.8636
#1	.00827	.06064	1.8881	.00755	.13554	.00666	.01166	.68441	.02537	1.8291	.00514
#2	.00817	.05801	1.8233	.00854	.13281	.00663	.01174	.66589	.02551	1.8255	.00493
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01500	.10000	3.0000		.20000	.01000	.02000	1.0000	.04000	3.0000	.00900
Range	-30.000%	-30.000%	-30.000%		-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00947**	F **.00307**	F **.00762**	F **.28064**	F **.06232**	F **.00655**	F **.00861**	F **.00668**	**.01280**	**.05934**	F **.00549**
Stddev	.00771	.00225	.00421	.00192	.00035	.00016	.00096	.00035	.00064	.01558	.00003
%RSD	81.450	73.451	55.243	.68492	.55985	2.4773	11.109	5.2135	5.0157	26.250	.53059
#1	.00402	.00148	.00464	.28200	.06207	.00667	.00793	.00644	.01235	.07035	.00551
#2	.01493	.00466	.01060	.27928	.06256	.00644	.00928	.00693	.01326	.04833	.00547
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value		.01000	.01500	.50000	.10000	.01000	.01500	.01000			.01000
Range		-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%			-30.000%

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	W **.01433**	**.01460**
Stddev	.00016	.00358
%RSD	1.0824	24.492
#1	.01444	.01713
#2	.01422	.01207
Check ?	Chk Warn	Chk Pass
Value	.02000	
Range	-20.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5098.3**	**76153.**	**5296.2**
Stddev	11.6	175.	19.0
%RSD	.22844	.22924	.35964
#1	5106.5	76276.	5309.7
#2	5090.1	76029.	5282.7

Sample Name: mb 280-82738/1-a Acquired: 8/25/2011 21:10:25 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00015**	**-.00191**	**.00001**	**-.00128**	**.00000**	**.00006**	**.00241**	**.00013**	**-.00004**
Stddev	.00038	.00022	.00131	.00013	.00040	.00006	.00093	.00148	.00021	.00041
%RSD	800.45	149.43	68.613	1310.1	30.877	1547.6	1450.3	61.411	157.25	930.65
#1	-.00022	-.00001	-.00284	-.00008	-.00100	-.00004	.00072	.00346	.00028	-.00033
#2	.00032	.00030	-.00098	.00010	-.00156	.00005	-.00059	.00136	-.00001	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00139**	**-.00103**	**-.04165**	**.00275**	**-.00068**	**.00037**	**-.00037**	**.02626**	**-.00041**
Stddev	.00011	.00019	.00112	.05429	.00056	.00003	.00001	.00029	.00109	.00030
%RSD	113.53	13.380	108.67	130.35	20.371	3.7408	1.8283	78.134	4.1542	73.375
#1	.00002	-.00126	-.00024	-.00326	.00314	-.00066	.00038	-.00057	.02549	-.00063
#2	.00017	-.00152	-.00182	-.08004	.00235	-.00070	.00037	-.00016	.02703	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00060**	**.01165**	**-.00306**	**-.00229**	**-.00856**	**-.00082**	**.00008**	**-.00161**	**.00051**
Stddev	.00070	.00102	.00086	.00046	.00198	.00349	.00042	.00006	.00059	.00046
%RSD	1536.9	169.31	7.3973	14.921	86.614	40.768	51.020	84.798	36.926	91.324
#1	.00054	.00012	.01226	-.00339	-.00089	-.01102	-.00112	.00012	-.00119	.00018
#2	-.00045	-.00132	.01104	-.00274	-.00369	-.00609	-.00052	.00003	-.00203	.00083
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00284**	**.03316**	**-.00076**	**.00111**	**.00380**
Stddev	.00160	.00455	.00057	.00039	.00208
%RSD	56.377	13.736	74.625	35.547	54.629
#1	.00171	.03638	-.00036	.00138	.00233
#2	.00397	.02994	-.00116	.00083	.00527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5104.1**	**75949.**	**5307.0**
Stddev	13.5	224.	39.7
%RSD	.26466	.29490	.74870
#1	5113.7	75791.	5278.9
#2	5094.6	76108.	5335.1

Sample Name: lcs 280-82738/2-a Acquired: 8/25/2011 21:13:01 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.02983**	F **1.3114**	F **.61753**	F **.59824**	F **1.2429**	F **.02992**	F **1.3881**	F **29.533**	F **.06328**	F **.30027**
Stddev	.00011	.0030	.00299	.00166	.0191	.00057	.0015	.499	.00029	.00049
%RSD	.35240	.22628	.48363	.27817	1.5394	1.9101	.10659	1.6907	.45942	.16287
#1	.02990	1.3135	.61542	.59706	1.2564	.03032	1.3891	29.886	.06349	.29992
#2	.02976	1.3093	.61964	.59942	1.2293	.02951	1.3870	29.180	.06308	.30061
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	.05750	2.1600	1.0900	1.1000	2.2600	.05600	2.2000	55.000	.11000	.55000
Low Limit	.04300	1.7200	.86000	.89000	1.8000	.04400	1.8000	44.500	.08700	.44500

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12169**	F **.15134**	F **.58902**	F **31.069**	F **.61521**	F **31.457**	F **.31148**	F **.62041**	F **31.770**	F **.29822**
Stddev	.00027	.00194	.01152	.438	.00696	.366	.00373	.00075	.088	.00007
%RSD	.22094	1.2824	1.9555	1.4105	1.1317	1.1630	1.1962	.12080	.27825	.02265
#1	.12150	.14996	.59717	31.379	.62013	31.199	.30885	.62094	31.832	.29818
#2	.12188	.15271	.58088	30.759	.61029	31.716	.31411	.61988	31.707	.29827
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit		.28000	1.1400	57.000	1.1400	56.500	.55000	1.1000	56.000	.55500
Low Limit		.21500	.88000	44.500	.89000	46.000	.45000	.90000	45.500	.44500

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **6.2542**	F **.30407**	**.00808**	F **.30217**	F **1.2305**	F **5.8849**	F **1.2209**	F **.62344**	F **.60425**	F **.62487**
Stddev	.0100	.00081	.00332	.00008	.0017	.0655	.0019	.00963	.00774	.00748
%RSD	.15999	.26551	41.081	.02629	.13736	1.1139	.15754	1.5450	1.2813	1.1973
#1	6.2471	.30464	.00573	.30223	1.2293	5.9312	1.2223	.63025	.59877	.61958
#2	6.2613	.30350	.01043	.30212	1.2316	5.8385	1.2196	.61663	.60972	.63016
Check ?	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	11.100	.54500		.54000	2.2000	11.500	2.2600	1.1000	1.1500	1.1000
Low Limit	9.1000	.44500		.44000	1.8000	9.4000	1.7000	.91000	.85000	.90000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **1.2243**	F **1.3131**	F **.31816**	F **.32049**	F **.31128**
Stddev	.0022	.0158	.00350	.00534	.00634
%RSD	.18287	1.1992	1.1003	1.6669	2.0358
#1	1.2227	1.3242	.31569	.31672	.31576
#2	1.2259	1.3020	.32064	.32427	.30679
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	2.1600	2.3200	.56000	.55000	.62500
Low Limit	1.7600	1.7000	.44000	.42500	.37500

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4943.5**	**72579.**	**5275.0**
Stddev	9.5	516.	58.3
%RSD	.19122	.71059	1.1054
#1	4950.1	72944.	5233.7
#2	4936.8	72215.	5316.2

Sample Name: 280-19417-a-1-a Acquired: 8/25/2011 21:15:23 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.33009**	**.00102**	**.02559**	**.05736**	**.00009**	**.00192**	**4.5886**	**.00014**	**.00055**
Stddev	.00043	.00303	.00174	.00023	.00055	.00005	.00021	.0060	.00030	.00009
%RSD	114.46	.91691	170.84	.88307	.96139	60.070	10.921	.13085	213.01	16.398
#1	.00007	.33223	-.00021	.02575	.05775	.00012	.00177	4.5844	.00036	.00062
#2	.00068	.32795	.00224	.02543	.05697	.00005	.00207	4.5928	-.00007	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00093**	**-.00094**	**.23874**	**.18338**	**.00225**	**2.0335**	**.00325**	**.00144**	**17.982**	**.00051**
Stddev	.00002	.00053	.00553	.02158	.00410	.0319	.00007	.00036	.311	.00032
%RSD	1.9472	56.777	2.3157	11.767	182.82	1.5711	2.2276	24.735	1.7292	63.377
#1	.00094	-.00132	.23483	.16812	.00515	2.0109	.00320	.00118	18.202	.00073
#2	.00092	-.00056	.24265	.19864	-.00066	2.0561	.00330	.00169	17.762	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01214**	**.00057**	**.14323**	**-.00125**	**-.00061**	**4.7655**	**-.00030**	**.03454**	**-.00055**	**.01021**
Stddev	.00109	.00091	.00103	.00023	.00020	.0133	.00006	.00006	.00027	.00025
%RSD	8.9566	159.00	.72095	18.678	33.697	.27852	19.406	.17633	48.488	2.4453
#1	.01291	-.00007	.14250	-.00108	-.00046	4.7561	-.00034	.03450	-.00074	.01004
#2	.01137	.00121	.14396	-.00141	-.00075	4.7749	-.00026	.03458	-.00036	.01039
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00465**	**.02488**	**.00027**	**.00152**	**.00431**
Stddev	.00001	.01272	.00055	.00034	.00157
%RSD	.11405	51.098	207.77	22.177	36.303
#1	.00465	.03387	-.00012	.00128	.00542
#2	.00464	.01589	.00066	.00176	.00321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5089.2**	**75222.**	**5278.3**
Stddev	15.5	425.	27.3
%RSD	.30390	.56485	.51814
#1	5078.3	75522.	5297.6
#2	5100.2	74921.	5258.9

Sample Name: 280-19417-a-1-aSD@5 Acquired: 8/25/2011 21:17:57 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.07157**	**.00050**	**.00510**	**.01098**	**-.00003**	**.00018**	**.93707**	**.00013**	**-.00004**
Stddev	.00004	.00027	.00086	.00016	.00039	.00002	.00013	.00979	.00005	.00012
%RSD	12.286	.38392	170.26	3.2208	3.5377	72.272	68.492	1.0444	40.104	300.99
#1	-.00028	.07138	.00111	.00498	.01070	-.00004	.00010	.94399	.00017	-.00013
#2	-.00033	.07176	-.00010	.00521	.01125	-.00001	.00027	.93015	.00010	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**-.00129**	**.04758**	**.04082**	**.00233**	**.41881**	**.00091**	**-.00011**	**3.5018**	**-.00022**
Stddev	.00008	.00027	.00113	.02170	.00270	.00008	.00004	.00008	.0175	.00013
%RSD	16.567	20.669	2.3730	53.170	115.74	.01802	3.9456	73.495	.49961	61.347
#1	.00057	-.00111	.04678	.02547	.00042	.41886	.00094	-.00005	3.5142	-.00032
#2	.00045	-.00148	.04838	.05617	.00424	.41876	.00089	-.00016	3.4895	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**-.00084**	**.03806**	**-.00181**	**-.00293**	**.96944**	**-.00024**	**.00705**	**-.00105**	**.00220**
Stddev	.00097	.00075	.00213	.00192	.00077	.01810	.00043	.00008	.00034	.00023
%RSD	148.97	89.271	5.5992	106.20	26.088	1.8673	178.50	1.1214	32.771	10.286
#1	.00134	-.00031	.03656	-.00045	-.00239	.95664	-.00055	.00711	-.00129	.00236
#2	-.00003	-.00137	.03957	-.00316	-.00347	.98224	.00006	.00700	-.00081	.00204
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00412**	**.01756**	**-.00017**	**.00144**	**.00431**
Stddev	.00096	.00746	.00021	.00046	.00141
%RSD	23.295	42.498	125.55	32.143	32.683
#1	.00344	.01228	-.00031	.00177	.00530
#2	.00479	.02283	-.00002	.00112	.00331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5069.2**	**75324.**	**5223.7**
Stddev	13.5	638.	5.2
%RSD	.26723	.84722	.09995
#1	5078.8	75776.	5227.4
#2	5059.6	74873.	5220.0

Sample Name: 280-19417-a-1-b ms Acquired: 8/25/2011 21:20:34 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03010**	**1.8995**	**.62073**	**.62521**	**1.2845**	**.02967**	**1.3794**	**33.638**	**.06360**	**.29992**
Stddev	.00028	.0125	.00113	.00202	.0284	.00071	.0005	.749	.00023	.00068
%RSD	.91639	.65975	.18128	.32362	2.2105	2.3916	.03742	2.2269	.35664	.22759
#1	.02990	1.9084	.62152	.62378	1.3045	.03017	1.3791	34.168	.06344	.29944
#2	.03029	1.8907	.61993	.62664	1.2644	.02917	1.3798	33.108	.06376	.30041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12310**	**.15219**	**.84612**	**30.902**	**.60662**	**33.474**	**.31540**	**.62191**	**49.414**	**.29811**
Stddev	.00001	.00126	.02125	.751	.01574	.182	.00136	.00166	1.543	.00040
%RSD	.00920	.82666	2.5115	2.4300	2.5955	.54433	.43224	.26633	3.1229	.13449
#1	.12309	.15308	.86115	31.433	.61775	33.603	.31637	.62074	50.505	.29783
#2	.12311	.15130	.83110	30.371	.59548	33.345	.31444	.62308	48.323	.29839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.2818**	**.30223**	**.13599**	**.30197**	**1.2308**	**10.874**	**1.2285**	**.65010**	**.60512**	**.63865**
Stddev	.0217	.00144	.00127	.00099	.0069	.218	.0048	.01385	.00136	.00453
%RSD	.34505	.47786	.93085	.32659	.55726	2.0077	.39230	2.1305	.22427	.70969
#1	6.2665	.30121	.13689	.30127	1.2260	11.028	1.2251	.65989	.60608	.64186
#2	6.2971	.30325	.13510	.30267	1.2357	10.720	1.2319	.64030	.60416	.63545
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.2167**	**1.3157**	**.32076**	**.32216**	**.30936**
Stddev	.0001	.0387	.00120	.00172	.00966
%RSD	.01130	2.9427	.37518	.53245	3.1221
#1	1.2168	1.3430	.32161	.32337	.31619
#2	1.2166	1.2883	.31991	.32094	.30253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4926.8**	**71774.**	**5261.0**
Stddev	12.1	65.	48.6
%RSD	.24529	.09038	.92412
#1	4935.3	71728.	5226.6
#2	4918.2	71819.	5295.3

Sample Name: 280-19417-a-1-c msd Acquired: 8/25/2011 21:23:00 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02959**	**1.9116**	**.61771**	**.62007**	**1.2848**	**.02973**	**1.3796**	**33.610**	**.06326**	**.29943**
Stddev	.00081	.0061	.00382	.00246	.0022	.00001	.0149	.097	.00005	.00159
%RSD	2.7537	.31701	.61914	.39643	.16981	.04295	1.0832	.28955	.07152	.52939
#1	.02901	1.9159	.62041	.62181	1.2864	.02974	1.3902	33.679	.06322	.30055
#2	.03017	1.9073	.61500	.61834	1.2833	.02972	1.3690	33.541	.06329	.29831
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12289**	**.15104**	**.84300**	**30.930**	**.61337**	**33.096**	**.31158**	**.61868**	**49.534**	**.29711**
Stddev	.00093	.00550	.00321	.054	.00425	1.012	.00974	.00411	.375	.00233
%RSD	.76016	3.6414	.38109	.17368	.69308	3.0566	3.1253	.66412	.75781	.78490
#1	.12355	.14715	.84527	30.968	.61637	32.380	.30470	.62158	49.799	.29876
#2	.12223	.15493	.84073	30.892	.61036	33.811	.31847	.61577	49.268	.29546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.2686**	**.30239**	**.14311**	**.29964**	**1.2312**	**10.934**	**1.2196**	**.65082**	**.60141**	**.63238**
Stddev	.0176	.00286	.00601	.00163	.0046	.035	.0044	.00230	.01963	.02200
%RSD	.28015	.94590	4.1981	.54441	.37151	.31728	.36034	.35359	3.2638	3.4785
#1	6.2810	.30441	.14736	.30080	1.2344	10.958	1.2227	.65245	.58753	.61682
#2	6.2562	.30037	.13886	.29849	1.2279	10.909	1.2165	.64919	.61529	.64793
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.2111**	**1.2933**	**.31710**	**.31815**	**.31001**
Stddev	.0064	.0659	.00907	.01038	.00329
%RSD	.53141	5.0963	2.8610	3.2613	1.0602
#1	1.2157	1.2466	.31068	.31081	.31233
#2	1.2066	1.3399	.32351	.32548	.30768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4914.0**	**71971.**	**5251.2**
Stddev	1.5	1341.	.5
%RSD	.03024	1.8629	.00944
#1	4913.0	72919.	5250.8
#2	4915.1	71023.	5251.5

Sample Name: 280-19417-a-2-a Acquired: 8/25/2011 21:25:21 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00014	-.00008	.00162	.00164	-.00073	-.00004	.00128	.01304	.00011	.00007
Stddev	.00035	.00015	.00088	.00005	.00021	.00002	.00071	.00483	.00016	.00004
%RSD	256.53	175.96	54.197	2.9054	29.108	67.984	55.141	37.035	141.56	54.962
#1	-.00011	-.00019	.00100	.00167	-.00058	-.00005	.00178	.01646	.00000	.00010
#2	.00039	.00002	.00224	.00160	-.00088	-.00002	.00078	.00963	.00022	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	-.00158	-.00082	-.01179	.00378	-.00027	.00004	.00172	.07234	-.00033
Stddev	.00023	.00022	.00067	.00603	.00125	.00052	.00001	.00058	.00416	.00013
%RSD	106.88	14.194	82.010	51.176	32.982	191.62	30.316	33.619	5.7555	39.325
#1	.00038	-.00174	-.00034	-.00752	.00290	-.00064	.00003	.00131	.07529	-.00024
#2	.00005	-.00142	-.00129	-.01605	.00467	.00010	.00005	.00213	.06940	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00044	-.00076	.01111	-.00094	.00338	.01541	-.00022	.00036	-.00118	.00078
Stddev	.00198	.00012	.00223	.00049	.00127	.01744	.00025	.00001	.00105	.00018
%RSD	452.60	15.571	20.041	52.073	37.503	113.18	116.87	3.0162	88.467	22.846
#1	-.00183	-.00067	.01268	-.00129	.00249	.02773	-.00039	.00037	-.00192	.00065
#2	.00096	-.00084	.00953	-.00059	.00428	.00308	-.00004	.00035	-.00044	.00090
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00268	.01990	-.00028	.00125	.00480
Stddev	.00182	.00562	.00048	.00009	.00017
%RSD	67.887	28.226	170.47	7.4921	3.5346
#1	.00139	.02387	-.00062	.00132	.00492
#2	.00396	.01593	.00006	.00118	.00468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5077.2	76544.	5240.9
Stddev	5.5	766.	35.5
%RSD	.10783	1.0002	.67655
#1	5073.4	77085.	5215.8
#2	5081.1	76002.	5265.9

Sample Name: CCVH-940568 Acquired: 8/25/2011 21:28:41 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02128**	**49.604**	**-.00567**	**.00211**	**.00019**	**.00003**	**1.0199**	**.02676**	**-.00117**	**.00219**	**.00014**	**-.00160**	**50.530**
Stddev	.00045	.198	.00417	.00031	.00006	.00006	.0011	.00469	.00017	.00028	.00011	.00001	.037
%RSD	2.1246	.39911	73.648	14.806	32.004	214.76	.10478	17.536	14.304	12.662	74.646	.89541	.07320
#1	-.02160	49.464	-.00272	.00189	.00015	.00007	1.0191	.03008	-.00128	.00238	.00022	-.00161	50.556
#2	-.02096	49.744	-.00862	.00233	.00024	-.00001	1.0206	.02345	-.00105	.00199	.00007	-.00159	50.504
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08195**	**.00646**	**-.10377**	**.00086**	**-.00158**	**263.31**	**.00081**	**.00084**	**-.00303**	**5.0026**	**-.01141**	**.01470**	**.02932**
Stddev	.00222	.00076	.00004	.00004	.00049	.87	.00045	.00080	.00190	.0025	.00057	.00121	.01580
%RSD	2.7056	11.703	.03801	4.4206	30.776	.33229	56.262	95.605	62.681	.04908	5.0264	8.2398	53.914
#1	.08352	.00700	-.10374	.00083	-.00192	262.69	.00113	.00140	-.00168	5.0009	-.01100	.01384	.04049
#2	.08038	.00593	-.10380	.00088	-.00123	263.92	.00049	.00027	-.00437	5.0043	-.01181	.01555	.01814
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00093**	**.00044**	**4.9996**	**.00214**	**.00282**	**10.534**	**-.00890**	**.00458**	**.01539**
Stddev	.00016	.00016	.0059	.00004	.00152	.029	.00025	.00087	.00353
%RSD	16.806	36.628	.11831	1.7528	54.007	.27944	2.8566	18.993	22.953
#1	.00104	.00056	5.0038	.00211	.00174	10.513	-.00872	.00519	.01289
#2	.00082	.00033	4.9954	.00217	.00390	10.554	-.00908	.00396	.01789
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3945.2**	**57833.**	**4342.4**
Stddev	8.1	13.	11.8
%RSD	.20470	.02272	.27217
#1	3950.9	57842.	4350.7
#2	3939.5	57824.	4334.0

Sample Name: CCV-940591 Acquired: 8/25/2011 21:31:13 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53650**	**.52360**	**1.0316**	**.51735**	**.52116**	**.50229**	**.00394**	**4.9726**	**.52254**	**.51601**	**.51474**	**.52645**	**2.4969**
Stddev	.00014	.00332	.0009	.00048	.00127	.00090	.00238	.0095	.00048	.00024	.00050	.00004	.0055
%RSD	.02593	.63474	.09039	.09282	.24296	.18004	60.324	.19003	.09205	.04719	.09659	.00679	.21857
#1	.53641	.52595	1.0309	.51769	.52026	.50165	.00226	4.9659	.52220	.51618	.51439	.52643	2.4931
#2	.53660	.52125	1.0322	.51701	.52205	.50293	.00562	4.9793	.52288	.51584	.51509	.52648	2.5008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.909**	**1.0150**	**20.969**	**.52139**	**.51397**	**5.3099**	**.51234**	**1.0030**	**1.0424**	**.00141**	**1.0255**	**1.0289**	**4.9206**
Stddev	.119	.0048	.044	.00046	.00108	.0255	.00006	.0036	.0006	.00099	.0014	.0052	.0539
%RSD	.23278	.46995	.20894	.08916	.21001	.48089	.01133	.35518	.05446	70.372	.13674	.50277	1.0961
#1	50.825	1.0184	21.000	.52172	.51474	5.3279	.51230	1.0055	1.0428	.00210	1.0245	1.0252	4.8824
#2	50.993	1.0116	20.938	.52107	.51321	5.2918	.51238	1.0004	1.0420	.00071	1.0265	1.0325	4.9587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0269**	**.52118**	**-.00287**	**.50762**	**1.0541**	**.06443**	**.52545**	**.52418**	**.50629**
Stddev	.0019	.00000	.00118	.00053	.0025	.03492	.00094	.00008	.00013
%RSD	.18114	.00028	40.969	.10511	.24143	54.194	.17806	.01494	.02637
#1	1.0282	.52118	-.00370	.50800	1.0559	.08912	.52612	.52424	.50638
#2	1.0255	.52118	-.00204	.50724	1.0523	.03974	.52479	.52413	.50619
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4015.9**	**59543.**	**4354.6**
Stddev	1.3	91.	7.7
%RSD	.03322	.15204	.17700
#1	4014.9	59479.	4349.2
#2	4016.8	59607.	4360.1

Sample Name: CCB Acquired: 8/25/2011 21:33:37 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00018**	**.00151**	W **.00176**	**-.00021**	**.00006**	**.00003**	**.00154**	**.00032**	**.00035**	**.00021**
Stddev	.00031	.00141	.00054	.00041	.00039	.00000	.00075	.00238	.00011	.00017	.00009
%RSD	61.857	802.41	36.068	23.094	182.44	6.2480	2336.9	154.30	36.063	47.211	42.864
#1	.00073	.00117	.00190	.00147	.00006	.00006	.00056	.00323	.00023	.00023	.00015
#2	.00029	-.00082	.00113	.00205	-.00049	.00006	-.00050	-.00014	.00040	.00047	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00086**	**-.00199**	**.05462**	W **.00289**	**.00245**	**.00006**	**.00272**	**.04359**	**.00015**	**-.00282**	**-.00160**
Stddev	.00018	.00155	.02598	.00110	.00127	.00001	.00068	.00377	.00003	.00047	.00124
%RSD	20.383	77.889	47.555	37.877	51.906	15.432	25.070	8.6561	17.285	16.661	77.554
#1	.00098	-.00089	.03625	.00212	.00155	.00005	.00224	.04626	.00013	-.00315	-.00072
#2	.00074	-.00308	.07299	.00367	.00335	.00007	.00320	.04092	.00016	-.00249	-.00247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00537**	F **.00801**	W **.00744**	**.01936**	**.00063**	**.00020**	**-.00170**	**.00054**	**.00084**	F **.05782**	**.00042**
Stddev	.00482	.00077	.00004	.01962	.00023	.00008	.00082	.00040	.00003	.01654	.00027
%RSD	89.677	9.5567	.54946	101.34	36.835	37.539	48.284	73.822	4.1503	28.604	63.213
#1	.00878	.00747	.00741	.03323	.00047	.00026	-.00229	.00082	.00081	.04613	.00023
#2	.00197	.00856	.00747	.00549	.00080	.00015	-.00112	.00026	.00086	.06951	.00061
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		.00628	.00486							.05000	
Low Limit		-.00628	-.00486							-.05000	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00174**	F **.00522**
Stddev	.00037	.00008
%RSD	21.429	1.4743
#1	.00200	.00517
#2	.00147	.00528
Check ?	Chk Pass	Chk Fail
High Limit		.00476
Low Limit		-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4068.2**	**61046.**	**4335.7**
Stddev	.4	56.	22.1
%RSD	.00988	.09253	.50871
#1	4067.9	61006.	4320.2
#2	4068.5	61086.	4351.3

Sample Name: CCVL942742 Acquired: 8/25/2011 21:36:14 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01105**	**.10662**	W **.01155**	**.10256**	**.01012**	**.00090**	F **.13544**	**.19967**	**.00566**	**.01051**	**.01045**
Stddev	.00004	.00007	.00010	.00058	.00043	.00011	.00226	.00066	.00012	.00014	.00008
%RSD	.31716	.06238	.83101	.57015	4.2943	12.469	1.6685	.33262	2.0328	1.3725	.76379
#1	.01108	.10667	.01148	.10297	.00981	.00082	.13704	.19920	.00558	.01061	.01051
#2	.01103	.10657	.01161	.10214	.01042	.00098	.13384	.20014	.00574	.01041	.01039
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500				.10000				
Range			-20.000%				30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01716**	**.09448**	**3.1399**	W **.01299**	**.22037**	**.01079**	**.01984**	**1.0972**	**.04185**	**2.8950**	**.00845**
Stddev	.00005	.00145	.0252	.00617	.00039	.00005	.00026	.0058	.00016	.0009	.00024
%RSD	.26993	1.5401	.80243	47.497	.17484	.43280	1.3191	.52620	.38834	.03165	2.8745
#1	.01719	.09550	3.1221	.00863	.22010	.01076	.01966	1.0931	.04173	2.8943	.00828
#2	.01713	.09345	3.1577	.01736	.22064	.01082	.02003	1.1013	.04196	2.8956	.00862
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00109**	**.00934**	**.01232**	**.47351**	**.10128**	**.01062**	**.01383**	**.01033**	**.01772**	F **.11173**	**.01031**
Stddev	.00045	.00084	.00082	.00648	.00045	.00011	.00127	.00020	.00110	.02589	.00047
%RSD	40.852	8.9632	6.6738	1.3693	.44818	1.0109	9.2083	1.9556	6.2113	23.173	4.5710
#1	.00078	.00875	.01290	.46893	.10096	.01054	.01473	.01048	.01694	.09342	.00998
#2	.00141	.00993	.01174	.47810	.10160	.01069	.01293	.01019	.01850	.13003	.01065
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value										.06000	
Range										30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02311**	**.01733**
Stddev	.00004	.00170
%RSD	.19186	9.7946
#1	.02314	.01613
#2	.02308	.01853
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4129.0**	**61652.**	**4430.9**
Stddev	4.6	75.	6.9
%RSD	.11260	.12228	.15655
#1	4132.3	61705.	4426.0
#2	4125.7	61599.	4435.8

Sample Name: mb 280-82828/1-a Acquired: 8/25/2011 21:38:55 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.01298**	**.00024**	F **.01041**	**.00063**	**.00001**	**.00410**	W **.10548**	**.00029**	**-.00020**
Stddev	.0006	.00015	.00340	.00001	.00006	.00004	.00167	.00297	.00037	.00014
%RSD	124950.	1.1685	1393.8	.05095	9.6844	365.24	40.726	2.8154	125.31	69.317
#1	.00041	.01287	.00264	.01041	.00059	-.00002	.00528	.10757	.00003	-.00030
#2	-.00041	.01308	-.00216	.01041	.00067	.00004	.00292	.10338	.00055	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				.01000				.10000		
Low Limit				-.01000				-.10000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00230**	W **.03856**	**.18179**	**-.00125**	**.02409**	**.00078**	**.00016**	**.15526**	**.00088**
Stddev	.00001	.00009	.00042	.03689	.00194	.00030	.00000	.00015	.01520	.00037
%RSD	1.8802	3.7033	1.0909	20.294	155.20	1.2324	.23842	93.921	9.7913	42.000
#1	.00055	.00224	.03886	.20788	-.00262	.02388	.00078	.00005	.16601	.00062
#2	.00054	.00236	.03826	.15571	.00012	.02430	.00078	.00027	.14451	.00114
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.03000							
Low Limit			-.05000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00712**	**-.00022**	**.03832**	**-.00099**	**.00056**	W **.06768**	**.00683**	**.00041**	**-.00218**	**.00103**
Stddev	.00072	.00186	.00307	.00235	.00241	.00516	.00109	.00000	.00178	.00056
%RSD	10.143	843.51	8.0181	238.40	429.99	7.6204	15.987	.40745	81.534	54.583
#1	.00661	-.00154	.03615	-.00265	.00227	.07132	.00606	.00041	-.00092	.00143
#2	.00764	.00109	.04049	.00068	-.00115	.06403	.00760	.00041	-.00344	.00063
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00500					.05000				
Low Limit	-.00500					-.05000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.03066**	**-.00030**	W **.00578**	**.00064**
Stddev	.00024	.01693	.00005	.00030	.00176
%RSD	37.545	55.232	16.691	5.2730	276.93
#1	.00046	.01868	-.00026	.00600	.00188
#2	.00079	.04263	-.00033	.00556	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				.00500	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4108.1**	**62233.**	**4482.7**
Stddev	1.8	127.	9.8
%RSD	.04360	.20414	.21852
#1	4106.8	62143.	4475.8
#2	4109.4	62322.	4489.6

Sample Name: lcs 280-82828/2-a Acquired: 8/25/2011 21:41:31 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04848**	**1.8738**	**.98216**	**1.0227**	**2.0031**	**.04803**	F **2.2775**	**46.837**	**.10248**	**.47962**
Stddev	.00026	.0240	.00014	.0001	.0005	.00007	.0003	.005	.00017	.00067
%RSD	.53891	1.2793	.01411	.00836	.02319	.15303	.01430	.01079	.16275	.13888
#1	.04866	1.8908	.98225	1.0226	2.0035	.04798	2.2773	46.840	.10260	.48010
#2	.04829	1.8569	.98206	1.0228	2.0028	.04808	2.2778	46.833	.10237	.47915
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19545**	**.25272**	**.96606**	**49.256**	**.97801**	**48.866**	**.48894**	**1.0100**	**50.904**	**.47558**
Stddev	.00027	.00038	.00191	.030	.00088	.018	.00008	.0004	.094	.00023
%RSD	.13631	.14856	.19735	.05995	.09043	.03660	.01599	.04028	.18424	.04922
#1	.19563	.25246	.96741	49.236	.97864	48.879	.48900	1.0097	50.970	.47575
#2	.19526	.25299	.96472	49.277	.97739	48.854	.48889	1.0103	50.837	.47542
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6523**	**.48568**	**.04524**	**.48980**	**1.9321**	**2.8696**	**1.9827**	**1.0050**	**.95228**	**1.0159**
Stddev	.0184	.00160	.00191	.00163	.0080	.0221	.0014	.0004	.00215	.0013
%RSD	.19018	.32967	4.2122	.33330	.41656	.76997	.07238	.04259	.22594	.12282
#1	9.6653	.48455	.04659	.49095	1.9377	2.8540	1.9817	1.0047	.95380	1.0168
#2	9.6394	.48682	.04390	.48864	1.9264	2.8852	1.9837	1.0053	.95076	1.0150
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9541**	**2.1161**	**.50136**	**.48955**	**.50218**
Stddev	.0059	.0043	.00085	.00062	.00294
%RSD	.30382	.20532	.16860	.12609	.58448
#1	1.9583	2.1191	.50196	.48911	.50010
#2	1.9499	2.1130	.50077	.48999	.50425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3948.5**	**58557.**	**4399.3**
Stddev	.3	26.	11.7
%RSD	.00731	.04375	.26612
#1	3948.7	58575.	4391.0
#2	3948.3	58539.	4407.5

Sample Name: 280-19387-b-1-e Acquired: 8/25/2011 21:43:52 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**253.08**	**.07051**	**.11888**	**2.2501**	**.01359**	**.00412**	**67.038**	**.00861**	**.08473**
Stddev	.00006	.57	.00337	.00056	.0045	.00022	.00182	.180	.00036	.00047
%RSD	17.314	.22682	4.7821	.47365	.20167	1.6279	44.306	.26820	4.1631	.54917
#1	.00038	252.67	.07289	.11848	2.2469	.01343	.00541	66.911	.00836	.08441
#2	.00030	253.48	.06812	.11928	2.2533	.01374	.00283	67.165	.00887	.08506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24984**	**.29263**	**251.96**	**76.483**	**.24499**	**95.591**	**5.4470**	**.00666**	**2.5626**	**.22886**
Stddev	.00034	.00022	.70	.252	.00258	.094	.0482	.00129	.0124	.00025
%RSD	.13455	.07638	.27822	.32963	1.0519	.09808	.88490	19.342	.48553	.10845
#1	.25007	.29247	251.46	76.305	.24316	95.657	5.4129	.00575	2.5538	.22904
#2	.24960	.29279	252.46	76.661	.24681	95.525	5.4811	.00757	2.5714	.22868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.032**	**.20210**	**1.9528**	**-.00706**	**.00674**	**3.8252**	**-.00102**	**.45052**	**.10213**	**7.9019**
Stddev	.045	.00137	.0018	.00057	.00386	.0116	.00024	.00093	.00011	.0076
%RSD	.31969	.68017	.09088	8.0080	57.247	.30437	23.924	.20749	.10353	.09589
#1	14.064	.20113	1.9541	-.00666	.00401	3.8334	-.00120	.44986	.10221	7.9072
#2	14.000	.20307	1.9516	-.00746	.00947	3.8170	-.00085	.45118	.10206	7.8965
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00685**	**.01698**	**.13393**	**1.1693**	**.75277**
Stddev	.00133	.00481	.00079	.0032	.00172
%RSD	19.447	28.316	.59088	.27342	.22900
#1	.00590	.01358	.13449	1.1716	.75155
#2	.00779	.02038	.13337	1.1671	.75399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4747.0**	**68273.**	**5461.2**
Stddev	6.2	246.	22.7
%RSD	.13107	.35998	.41523
#1	4742.6	68099.	5477.2
#2	4751.4	68447.	5445.1

Sample Name: 280-19387-b-2-g Acquired: 8/25/2011 21:47:11 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**257.94**	**.06827**	**.11934**	**2.3254**	**.01391**	**.00504**	**68.186**	**.00866**	**.08799**
Stddev	.00025	.42	.00050	.00054	.0037	.00007	.00146	.084	.00005	.00014
%RSD	233.21	.16248	.73439	.45270	.15694	.47292	29.084	.12391	.57920	.15940
#1	-.00007	258.23	.06792	.11972	2.3280	.01396	.00400	68.246	.00863	.08789
#2	.00029	257.64	.06863	.11896	2.3229	.01387	.00607	68.126	.00870	.08809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25483**	**.29856**	**258.95**	**77.417**	**.24642**	**97.926**	**5.6532**	**.00279**	**2.6151**	**.23425**
Stddev	.00081	.00146	.94	.049	.00000	.302	.0108	.00000	.0047	.00031
%RSD	.31814	.48904	.36410	.06359	.00004	.30879	.19095	.06716	.17991	.13034
#1	.25426	.29959	259.62	77.452	.24642	98.140	5.6456	.00279	2.6184	.23447
#2	.25540	.29753	258.28	77.382	.24642	97.712	5.6608	.00279	2.6117	.23404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.425**	**.20639**	**1.9957**	**-.00828**	**-.00274**	**4.4073**	**-.00112**	**.45825**	**.09017**	**8.0610**
Stddev	.018	.00018	.0005	.00036	.00212	.0320	.00038	.00029	.00113	.0171
%RSD	.12640	.08681	.02692	4.3935	77.330	.72680	33.768	.06306	1.2486	.21245
#1	14.412	.20626	1.9961	-.00802	-.00425	4.4300	-.00138	.45845	.09096	8.0732
#2	14.438	.20651	1.9953	-.00853	-.00124	4.3847	-.00085	.45804	.08937	8.0489
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00460**	**.02323**	**.12430**	**1.1919**	**.78071**
Stddev	.00021	.01967	.00287	.0020	.00167
%RSD	4.5202	84.642	2.3126	.16928	.21417
#1	.00475	.00933	.12633	1.1933	.77952
#2	.00445	.03714	.12227	1.1904	.78189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4764.7**	**68346.**	**5459.6**
Stddev	12.0	231.	26.3
%RSD	.25143	.33772	.48225
#1	4773.2	68183.	5441.0
#2	4756.2	68509.	5478.2

Sample Name: 280-19387-e-3-i Acquired: 8/25/2011 21:50:28 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**163.94**	**.05530**	**.09011**	**1.8342**	**.00913**	**.00275**	**59.775**	**.00667**	**.07085**
Stddev	.00025	.23	.00025	.00149	.0011	.00004	.00110	.102	.00033	.00019
%RSD	247.04	.13748	.45808	1.6521	.06021	.38597	39.958	.17027	4.9142	.26263
#1	.00007	163.78	.05548	.09116	1.8334	.00915	.00353	59.703	.00644	.07071
#2	-.00027	164.10	.05512	.08906	1.8350	.00910	.00197	59.847	.00690	.07098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19726**	**.21764**	**177.04**	**43.149**	**.14417**	**61.219**	**5.1884**	**.00417**	**1.5341**	**.18263**
Stddev	.00019	.00033	.03	.097	.00141	.161	.0037	.00002	.0018	.00034
%RSD	.09509	.15073	.01528	.22486	.97633	.26304	.07142	.37257	.11667	.18503
#1	.19712	.21787	177.06	43.080	.14517	61.333	5.1858	.00418	1.5329	.18239
#2	.19739	.21740	177.02	43.218	.14318	61.105	5.1910	.00416	1.5354	.18287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.3372**	**.15776**	**2.2799**	**-.00551**	**.00176**	**2.8097**	**.00001**	**.30310**	**.06708**	**5.7939**
Stddev	.0114	.00048	.0076	.00005	.00389	.0035	.00076	.00039	.00017	.0090
%RSD	.12216	.30658	.33192	.91865	221.33	.12315	7443.7	.13029	.25736	.15485
#1	9.3292	.15742	2.2746	-.00547	.00450	2.8072	-.00053	.30282	.06696	5.8002
#2	9.3453	.15811	2.2853	-.00554	-.00099	2.8121	.00055	.30338	.06721	5.7876
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00376**	**-.00515**	**.08395**	**.77580**	**.44852**
Stddev	.00040	.00073	.00103	.00425	.00317
%RSD	10.636	14.208	1.2325	.54726	.70723
#1	.00348	-.00463	.08322	.77881	.44628
#2	.00404	-.00567	.08469	.77280	.45076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4566.8**	**66240.**	**5242.9**
Stddev	5.9	273.	4.3
%RSD	.12897	.41166	.08230
#1	4571.0	66047.	5246.0
#2	4562.6	66433.	5239.9

Sample Name: 280-19387-e-3-iSD@5 Acquired: 8/25/2011 21:52:59 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00075**	**39.529**	k **.01220**	**.02239**	k **.44004**	k **.00190**	k **-.00231**	**14.330**	k **.00190**	k **.01963**
Stddev	.00008	.064	.00118	.00015	.00034	.00001	.00250	.033	.00032	.00031
%RSD	11.017	.16302	9.7064	.66037	.07715	.43547	107.99	.22843	16.806	1.5598
#1	k .00069	39.575	k .01136	.02249	k .43980	k .00190	k -.00408	14.353	k .00213	k .01941
#2	k .00080	39.484	k .01304	.02228	k .44028	k .00191	k -.00055	14.306	k .00168	k .01984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04765**	k **.05038**	k **43.164**	**10.316**	**.03513**	k **14.663**	**1.2606**	**.00082**	**.34757**	**.04436**
Stddev	.00008	.00021	.107	.053	.00142	.053	.0040	.00024	.01652	.00027
%RSD	.16200	.42532	.24710	.51741	4.0276	.36114	.31504	29.710	4.7540	.60859
#1	.04759	k .05022	k 43.240	10.279	.03413	14.700	1.2634	.00065	.35925	.04456
#2	.04770	k .05053	k 43.089	10.354	.03614	k 14.625	1.2578	.00099	.33588	.04417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.2197**	k **.03818**	**.53332**	k **-.00153**	k **-.00346**	**.65534**	k **-.00173**	**.07319**	k **.05332**	k **1.3461**
Stddev	.0071	.00276	.00172	.00011	.00336	.02467	.00058	.00038	.00083	.0013
%RSD	.31881	7.2414	.32262	7.3185	97.182	3.7642	33.448	.52497	1.5603	.09398
#1	2.2247	k .04013	.53210	k -.00161	k -.00583	.63790	k -.00214	.07347	k .05391	k 1.3470
#2	2.2147	k .03622	.53453	k -.00145	k -.00108	.67278	k -.00132	.07292	k .05273	k 1.3452
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **.00050**	k **-.00044**	k **.02960**	**.18617**	k **.10893**
Stddev	.00041	.01809	.00047	.00136	.00044
%RSD	81.916	4155.8	1.6041	.73299	.40446
#1	k .00079	k -.01322	k .02994	.18714	k .10924
#2	k .00021	k .01235	k .02926	.18521	k .10861
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4152.4**	**61548.**	**4541.9**
Stddev	7.3	274.	9.7
%RSD	.17461	.44501	.21427
#1	4147.3	61355.	4548.8
#2	4157.5	61742.	4535.0

Sample Name: 280-19387-e-3-j ms Acquired: 8/25/2011 21:55:34 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04268**	**209.08**	**.89681**	**.88712**	**3.6840**	**.05034**	**1.9447**	**101.15**	**.09494**	**.47443**
Stddev	.00000	.15	.00390	.00107	.0024	.00014	.0020	.01	.00022	.00029
%RSD	.00862	.07315	.43476	.12029	.06373	.27243	.10266	.00995	.22805	.06076
#1	.04268	208.98	.89956	.88636	3.6824	.05024	1.9461	101.16	.09479	.47422
#2	.04268	209.19	.89405	.88787	3.6857	.05044	1.9433	101.14	.09509	.47463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40746**	**.43827**	**185.30**	**94.818**	**.99230**	**108.46**	**5.5892**	**.79333**	**46.583**	**.58661**
Stddev	.00028	.00173	.28	.002	.00011	.44	.0570	.00026	.428	.00000
%RSD	.06922	.39522	.15185	.00184	.01128	.40442	1.0193	.03240	.91927	.00008
#1	.40766	.43705	185.50	94.819	.99238	108.15	5.5489	.79352	46.280	.58662
#2	.40726	.43950	185.10	94.817	.99222	108.77	5.6294	.79315	46.886	.58661
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.608**	**.55904**	**2.2600**	**.10268**	**1.6412**	**5.2397**	**1.5016**	**1.2076**	**.89205**	**8.5770**
Stddev	.018	.00032	.0055	.00126	.0028	.0826	.0005	.0001	.00004	.0376
%RSD	.10063	.05648	.24286	1.2225	.16818	1.5763	.03060	.00412	.00501	.43878
#1	17.596	.55882	2.2561	.10180	1.6431	5.1813	1.5019	1.2076	.89208	8.5504
#2	17.621	.55927	2.2639	.10357	1.6392	5.2981	1.5012	1.2077	.89202	8.6037
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.5828**	**1.7681**	**.59342**	**1.2176**	**.90257**
Stddev	.0030	.0215	.00352	.0044	.00090
%RSD	.18995	1.2169	.59373	.36082	.09924
#1	1.5849	1.7833	.59093	1.2145	.90320
#2	1.5807	1.7529	.59591	1.2208	.90193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4486.8**	**64722.**	**5186.0**
Stddev	4.3	316.	2.2
%RSD	.09649	.48768	.04236
#1	4483.7	64945.	5184.4
#2	4489.8	64499.	5187.5

Sample Name: 280-19387-e-3-k msd Acquired: 8/25/2011 21:58:44 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04324**	**207.72**	**.89996**	**.89995**	**3.6713**	**.05073**	**1.9449**	**101.85**	**.09510**	**.47443**
Stddev	.00035	.09	.00159	.00124	.0016	.00009	.0031	.06	.00008	.00054
%RSD	.80228	.04102	.17656	.13798	.04446	.17680	.15692	.05543	.08088	.11376
#1	.04349	207.78	.90108	.90082	3.6725	.05066	1.9471	101.89	.09515	.47481
#2	.04299	207.66	.89883	.89907	3.6702	.05079	1.9427	101.81	.09505	.47405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40380**	**.43942**	**184.30**	**94.763**	**.99699**	**108.00**	**5.5431**	**.80730**	**46.598**	**.58722**
Stddev	.00081	.00078	.05	.072	.00636	.30	.0361	.00107	.239	.00053
%RSD	.20029	.17724	.02738	.07637	.63790	.27692	.65113	.13302	.51362	.09111
#1	.40438	.43997	184.33	94.814	1.0015	108.21	5.5686	.80806	46.767	.58760
#2	.40323	.43887	184.26	94.711	.99249	107.79	5.5176	.80654	46.429	.58685
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.460**	**.56233**	**2.2451**	**.10753**	**1.6535**	**5.2348**	**1.5234**	**1.2085**	**.89164**	**8.4653**
Stddev	.042	.00078	.0105	.00057	.0007	.0581	.0029	.0001	.00205	.0234
%RSD	.24006	.13816	.46643	.52734	.04360	1.1105	.19372	.00441	.23028	.27597
#1	17.490	.56288	2.2525	.10793	1.6540	5.2759	1.5255	1.2085	.89309	8.4819
#2	17.431	.56178	2.2377	.10713	1.6530	5.1937	1.5213	1.2084	.89019	8.4488
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.5849**	**1.7670**	**.58563**	**1.2120**	**.90805**
Stddev	.0055	.0050	.00144	.0038	.00121
%RSD	.34623	.28307	.24617	.31472	.13369
#1	1.5888	1.7705	.58665	1.2147	.90719
#2	1.5810	1.7634	.58461	1.2093	.90891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4498.0**	**64850.**	**5159.1**
Stddev	4.3	80.	4.9
%RSD	.09478	.12378	.09462
#1	4495.0	64793.	5155.7
#2	4501.0	64907.	5162.6

Sample Name: 280-19387-e-3-iPDS Acquired: 8/25/2011 22:01:56 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03715**	**162.62**	**.23961**	**.17568**	**1.9126**	**.05291**	**.00030**	**76.188**	**.05436**	**.11419**
Stddev	.00064	.23	.00074	.00081	.0040	.00008	.00210	.063	.00006	.00053
%RSD	1.7200	.14141	.30989	.46299	.21126	.15870	706.49	.08233	.10131	.46091
#1	.03670	162.78	.24013	.17625	1.9154	.05297	-.00119	76.232	.05440	.11456
#2	.03760	162.45	.23908	.17510	1.9097	.05285	.00178	76.143	.05432	.11382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24071**	**.26343**	**176.49**	**61.473**	**.23324**	**79.125**	**5.1647**	**.04811**	**21.406**	**.22431**
Stddev	.00008	.00047	.46	.078	.00374	.068	.0158	.00025	.190	.00018
%RSD	.03338	.17891	.26237	.12715	1.6048	.08632	.30614	.51356	.88733	.08159
#1	.24076	.26376	176.82	61.529	.23059	79.077	5.1535	.04794	21.540	.22444
#2	.24065	.26309	176.16	61.418	.23588	79.173	5.1759	.04829	21.272	.22418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.979**	**.24632**	**2.2568**	**.07958**	**.17981**	**6.8290**	**.08419**	**.34743**	**.25261**	**5.7778**
Stddev	.037	.00030	.0009	.00041	.00011	.1347	.00065	.00062	.00149	.0063
%RSD	.33293	.12238	.03936	.51221	.06033	1.9730	.77635	.17810	.58804	.10814
#1	11.005	.24653	2.2562	.07987	.17973	6.9243	.08372	.34787	.25366	5.7734
#2	10.953	.24610	2.2575	.07930	.17988	6.7338	.08465	.34699	.25156	5.7822
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.17949**	**.48543**	**.13789**	**.95417**	**.48284**
Stddev	.00297	.01934	.00090	.00300	.00114
%RSD	1.6565	3.9833	.65072	.31427	.23701
#1	.18159	.47176	.13853	.95205	.48365
#2	.17739	.49911	.13726	.95629	.48203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4521.2**	**65389.**	**5192.2**
Stddev	.8	144.	8.4
%RSD	.01712	.22005	.16197
#1	4520.7	65491.	5198.1
#2	4521.8	65287.	5186.3

Sample Name: CCVH-940568 Acquired: 8/25/2011 22:04:26 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02094**	**49.639**	**-.00133**	**.00251**	**.00019**	**-.00012**	**1.0184**	**.03844**	**-.00090**	**.00213**	**.00031**	**-.00097**	**50.716**
Stddev	.00087	.251	.00210	.00041	.00004	.00002	.0001	.00284	.00019	.00004	.00020	.00029	.401
%RSD	4.1561	.50633	157.61	16.347	19.211	14.254	.00956	7.3854	21.022	1.9987	65.175	29.855	.78972
#1	-.02032	49.461	.00015	.00222	.00021	-.00011	1.0185	.04044	-.00077	.00210	.00017	-.00076	50.433
#2	-.02155	49.817	-.00282	.00280	.00016	-.00013	1.0184	.03643	-.00104	.00216	.00046	-.00117	50.999
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22282**	**.00373**	**-.09571**	**.00135**	**-.00160**	**263.37**	**.00144**	**.00566**	**-.00066**	**5.0184**	**-.01072**	**.01261**	**.03175**
Stddev	.03692	.00120	.00285	.00009	.00007	.62	.00008	.00481	.00086	.0164	.00084	.00251	.03811
%RSD	16.569	32.113	2.9766	6.8277	4.3875	.23568	5.5684	84.966	131.59	.32606	7.8472	19.875	120.05
#1	.19671	.00288	-.09370	.00141	-.00165	262.93	.00138	.00226	-.00127	5.0300	-.01132	.01439	.05870
#2	.24893	.00458	-.09772	.00128	-.00155	263.81	.00149	.00906	-.00005	5.0068	-.01013	.01084	.00480
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00154**	**.00051**	**5.0050**	**.00498**	**.00254**	**10.563**	**-.00880**	**.00470**	**.01425**
Stddev	.00032	.00010	.0057	.00004	.00032	.037	.00029	.00020	.00239
%RSD	20.453	20.438	.11360	.80992	12.446	.35349	3.2836	4.3635	16.809
#1	.00132	.00059	5.0009	.00501	.00277	10.537	-.00860	.00484	.01594
#2	.00177	.00044	5.0090	.00495	.00232	10.590	-.00901	.00455	.01255
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3904.9**	**57288.**	**4294.4**
Stddev	3.4	116.	20.7
%RSD	.08682	.20168	.48282
#1	3907.3	57370.	4309.1
#2	3902.5	57206.	4279.8

Sample Name: CCV-940591 Acquired: 8/25/2011 22:06:58 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53348**	**.52609**	**1.0228**	**.51345**	**.51905**	**.49843**	**.00444**	**4.9520**	**.51899**	**.51043**	**.50897**	**.52439**	**2.4803**	**50.731**
Stddev	.00059	.00794	.0014	.00053	.00044	.00074	.00069	.0171	.00065	.00188	.00181	.00032	.0006	.077
%RSD	.11103	1.5090	.13994	.10413	.08401	.14773	15.524	.34532	.12545	.36788	.35532	.06194	.02484	.15189
#1	.53390	.52048	1.0218	.51382	.51875	.49791	.00395	4.9399	.51945	.50910	.50769	.52462	2.4799	50.676
#2	.53306	.53171	1.0238	.51307	.51936	.49895	.00492	4.9641	.51853	.51175	.51025	.52416	2.4807	50.785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0052**	**20.888**	**.51969**	**.51114**	**5.2797**	**.50865**	**.99435**	**1.0340**	**.00201**	**1.0107**	**1.0206**	**4.8588**	**1.0188**	**.51960**
Stddev	.0026	.036	.00040	.00025	.0074	.00018	.00479	.0001	.00147	.0017	.0032	.0064	.0006	.00127
%RSD	.25370	.17363	.07730	.04827	.14002	.03488	.48209	.01358	73.025	.16462	.31891	.13098	.05433	.24516
#1	1.0034	20.914	.51997	.51096	5.2849	.50852	.99096	1.0341	.00097	1.0118	1.0229	4.8633	1.0184	.51870
#2	1.0070	20.863	.51940	.51131	5.2744	.50877	.99774	1.0339	.00305	1.0095	1.0183	4.8543	1.0192	.52050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00123**	**.50919**	**1.0407**	**.04827**	**.52334**	**.52190**	**.50360**
Stddev	.00129	.00096	.0003	.00409	.00095	.00041	.00176
%RSD	104.45	.18845	.03016	8.4635	.18098	.07918	.34911
#1	.00215	.50987	1.0409	.04538	.52401	.52220	.50484
#2	.00032	.50852	1.0405	.05116	.52267	.52161	.50235
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4012.2**	**59120.**	**4298.9**
Stddev	7.8	123.	13.0
%RSD	.19501	.20803	.30132
#1	4017.8	59033.	4308.0
#2	4006.7	59207.	4289.7

Sample Name: CCB Acquired: 8/25/2011 22:09:22 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.00009**	**.00164**	W **.00172**	**-.00015**	**.00006**	**.00258**	**-.00137**	**.00021**	**.00022**	**.00016**
Stddev	.00026	.00022	.00127	.00027	.00027	.00008	.00076	.00043	.00029	.00025	.00040
%RSD	36.499	244.51	77.464	15.569	177.47	143.40	29.602	31.145	139.62	112.54	256.41
#1	.00091	-.00006	.00253	.00191	.00004	.00000	.00312	-.00107	.00000	.00005	-.00013
#2	.00054	.00024	.00074	.00153	-.00035	.00012	.00204	-.00167	.00042	.00040	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00089**	**.00273**	**.11526**	**.00202**	**.00278**	**.00001**	**.00267**	**.00393**	**-.00009**	**-.00137**	**-.00086**
Stddev	.00020	.00117	.01223	.00019	.00257	.00004	.00047	.00946	.00005	.00021	.00109
%RSD	22.994	42.805	10.613	9.1905	92.468	287.16	17.635	240.96	54.690	15.496	126.90
#1	.00104	.00356	.12391	.00215	.00460	.00004	.00233	-.00276	-.00012	-.00152	-.00163
#2	.00075	.00190	.10661	.00189	.00096	-.00001	.00300	.01062	-.00005	-.00122	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00123**	F **.00666**	W **.00660**	**-.00461**	**.00102**	**.00024**	**-.00232**	W **.00096**	**.00202**	F **.05897**	**.00039**
Stddev	.00459	.00010	.00410	.01958	.00099	.00003	.00116	.00010	.00084	.00072	.00006
%RSD	373.19	1.4433	62.007	424.32	96.625	12.940	50.198	10.118	41.491	1.2244	15.131
#1	.00448	.00672	.00371	.00923	.00032	.00022	-.00314	.00089	.00262	.05846	.00035
#2	-.00202	.00659	.00950	-.01846	.00172	.00026	-.00149	.00103	.00143	.05948	.00043
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass
High Limit		.00628	.00486					.00060		.05000	
Low Limit		-.00628	-.00486					-.00060		-.05000	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00193**	W **.00470**
Stddev	.00008	.00170
%RSD	4.2491	36.119
#1	.00198	.00350
#2	.00187	.00590
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4033.5**	**60479.**	**4296.6**
Stddev	1.4	40.	12.1
%RSD	.03421	.06674	.28166
#1	4032.6	60450.	4305.1
#2	4034.5	60507.	4288.0

Sample Name: CCVL942742 Acquired: 8/25/2011 22:15:51 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01081**	**.10702**	**.01675**	**.10232**	**.01001**	**.00095**	F **.13286**	**.20279**	**.00550**	**.01075**	**.01035**
Stddev	.00034	.00095	.00255	.00022	.00009	.00008	.00048	.00121	.00017	.00022	.00001
%RSD	3.1373	.89174	15.246	.21526	.92006	8.3529	.36430	.59820	3.0338	2.0831	.12298
#1	.01057	.10634	.01495	.10216	.00995	.00101	.13320	.20193	.00562	.01091	.01036
#2	.01105	.10769	.01856	.10247	.01008	.00089	.13252	.20364	.00538	.01059	.01034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01703**	**.09840**	**3.1394**	F **.01389**	**.21988**	**.01074**	**.01993**	**1.0525**	**.04197**	**2.9025**	**.00821**
Stddev	.00035	.00191	.0267	.00461	.00057	.00007	.00011	.0126	.00018	.0066	.00102
%RSD	2.0734	1.9402	.85068	33.195	.25774	.69519	.54261	1.1946	.42872	.22706	12.369
#1	.01728	.09705	3.1583	.01715	.21948	.01069	.01985	1.0436	.04209	2.8979	.00749
#2	.01678	.09975	3.1205	.01063	.22028	.01079	.02000	1.0614	.04184	2.9072	.00893
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00849**	W **.01090**	**.49135**	**.10288**	**.01078**	**.01253**	**.01048**	W **.01907**	F **.13191**	**.01055**
Stddev	.00016	.00121	.00242	.00868	.00082	.00026	.00045	.00029	.00075	.00746	.00046
%RSD	83.706	14.217	22.240	1.7670	.79549	2.4082	3.6128	2.7390	3.9450	5.6516	4.3164
#1	.00030	.00934	.00919	.49749	.10346	.01059	.01221	.01027	.01961	.13718	.01023
#2	.00008	.00763	.01262	.48521	.10230	.01096	.01285	.01068	.01854	.12664	.01087
Check ?	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass
Value			.01500						.01500	.06000	
Range			-20.000%						20.000%	30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02302**	W **.01826**
Stddev	.00042	.00080
%RSD	1.8423	4.3632
#1	.02272	.01883
#2	.02332	.01770
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4100.8**	**61516.**	**4350.6**
Stddev	7.0	82.	10.3
%RSD	.17175	.13337	.23764
#1	4105.8	61574.	4343.3
#2	4095.8	61458.	4358.0

Sample Name: mb 280-82738/1-a Acquired: 8/25/2011 22:19:10 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	.00094	-.00257	.00045	-.00064	-.00002	.00010	.00744	.00024	-.00016
Stddev	.00018	.00070	.00132	.00058	.00024	.00007	.00277	.00245	.00003	.00007
%RSD	185.44	74.170	51.350	129.46	38.177	307.87	2860.4	32.863	12.297	42.416
#1	.00022	.00143	-.00351	.00086	-.00081	.00003	.00206	.00917	.00022	-.00021
#2	-.00003	.00045	-.00164	.00004	-.00046	-.00007	-.00186	.00571	.00026	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.00125	.00137	.04083	.00310	.00241	.00072	-.00006	-.01181	-.00022
Stddev	.00011	.00011	.00282	.01172	.00132	.00131	.00004	.00013	.00669	.00024
%RSD	383.22	8.6625	205.92	28.698	42.602	54.358	6.1893	211.25	56.672	109.13
#1	-.00005	.00117	.00336	.03254	.00217	.00148	.00069	.00003	-.01654	-.00005
#2	.00011	.00132	-.00062	.04911	.00404	.00333	.00076	-.00015	-.00708	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00177	-.00100	.00420	-.00143	.00014	-.01367	-.00002	.00000	-.00248	.00048
Stddev	.00099	.00042	.00601	.00125	.00070	.03296	.00026	.00004	.00185	.00004
%RSD	56.028	41.869	143.05	87.699	491.47	241.12	1291.2	14563.	74.632	8.1533
#1	-.00247	-.00129	.00845	-.00232	.00064	.00964	.00016	-.00003	-.00117	.00051
#2	-.00107	-.00070	-.00005	-.00054	-.00035	-.03698	-.00020	.00003	-.00379	.00045
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00025	.04073	-.00042	.00205	.00340
Stddev	.00144	.01834	.00018	.00059	.00207
%RSD	586.72	45.021	41.812	28.526	60.795
#1	-.00126	.02777	-.00030	.00164	.00194
#2	.00077	.05370	-.00054	.00247	.00486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4088.4	61643.	4401.3
Stddev	2.6	30.	28.5
%RSD	.06371	.04790	.64769
#1	4090.3	61622.	4421.5
#2	4086.6	61664.	4381.2

Sample Name: lcs 280-82738/2-a Acquired: 8/25/2011 22:21:47 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05116**	**1.9675**	**1.0575**	**1.0227**	**2.1105**	**.05016**	F **2.4410**	**49.514**	**.10957**	**.51181**
Stddev	.00019	.0150	.0037	.0004	.0057	.00020	.0007	.130	.00028	.00065
%RSD	.36389	.76491	.35107	.03760	.27227	.39469	.02939	.26282	.25553	.12756
#1	.05103	1.9782	1.0601	1.0224	2.1064	.05002	2.4405	49.422	.10938	.51135
#2	.05129	1.9569	1.0549	1.0230	2.1146	.05030	2.4415	49.606	.10977	.51227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20752**	**.26454**	**.97775**	**51.859**	**1.0198**	**52.397**	**.51886**	**1.0460**	**53.672**	**.50467**
Stddev	.00035	.00017	.00636	.123	.0037	.035	.00055	.0002	.790	.00063
%RSD	.17037	.06395	.65033	.23630	.35930	.06722	.10575	.01682	1.4712	.12546
#1	.20777	.26442	.97326	51.772	1.0172	52.422	.51925	1.0459	53.114	.50422
#2	.20727	.26466	.98225	51.946	1.0224	52.372	.51847	1.0461	54.231	.50512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.342**	**.51474**	**-.00757**	**.52465**	**2.1158**	**9.6652**	**2.0598**	**1.0537**	**1.0230**	**1.0541**
Stddev	.001	.00036	.00492	.00272	.0006	.0451	.0062	.0027	.0016	.0026
%RSD	.00514	.06932	64.948	.51857	.03055	.46640	.30246	.25487	.15803	.24202
#1	10.342	.51500	-.00409	.52272	2.1163	9.6334	2.0554	1.0518	1.0241	1.0559
#2	10.341	.51449	-.01105	.52657	2.1153	9.6971	2.0642	1.0556	1.0218	1.0523
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0962**	**2.2360**	**.53565**	**.52306**	**.51615**
Stddev	.0018	.0365	.00032	.00140	.00109
%RSD	.08397	1.6318	.05976	.26705	.21156
#1	2.0949	2.2618	.53542	.52404	.51693
#2	2.0974	2.2102	.53588	.52207	.51538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3903.7**	**57444.**	**4331.8**
Stddev	3.4	81.	12.1
%RSD	.08647	.14029	.27996
#1	3906.1	57387.	4340.4
#2	3901.3	57501.	4323.2

Sample Name: 280-19417-a-1-a Acquired: 8/25/2011 22:24:09 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.49352**	**-.00018**	**.04375**	**.09898**	**.00017**	**.00241**	**7.7138**	**.00039**	**.00089**
Stddev	.00067	.00629	.00167	.00024	.00021	.00009	.00128	.0009	.00019	.00008
%RSD	611.49	1.2742	930.32	.55105	.20986	51.031	52.992	.01132	47.715	9.2733
#1	.00037	.49797	-.00136	.04358	.09883	.00011	.00151	7.7132	.00052	.00083
#2	-.00059	.48908	.00100	.04392	.09913	.00023	.00332	7.7144	.00026	.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00133**	**.00212**	**.39149**	**.37391**	**.00519**	**3.4075**	**.00552**	**.00532**	**30.122**	**.00173**
Stddev	.00024	.00032	.00007	.01588	.00329	.0054	.00001	.00103	.174	.00022
%RSD	18.357	15.097	.01834	4.2459	63.422	.15776	.23310	19.461	.57697	12.596
#1	.00116	.00190	.39144	.36268	.00752	3.4037	.00553	.00459	30.245	.00157
#2	.00150	.00235	.39154	.38514	.00287	3.4113	.00551	.00605	29.999	.00188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02284**	**-.00046**	**.22394**	**.00026**	**.01139**	**7.8149**	**.00109**	**.05832**	**-.00199**	**.01619**
Stddev	.00056	.00023	.00188	.00092	.00108	.0068	.00083	.00005	.00035	.00055
%RSD	2.4550	50.913	.83880	357.59	9.5036	.08730	76.119	.08434	17.450	3.4245
#1	.02244	-.00029	.22262	-.00040	.01062	7.8100	.00050	.05836	-.00174	.01580
#2	.02323	-.00062	.22527	.00091	.01215	7.8197	.00167	.05829	-.00223	.01659
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00213**	**.05140**	**.00093**	**.00230**	**.00239**
Stddev	.00135	.00146	.00042	.00023	.00006
%RSD	63.508	2.8432	44.641	9.8014	2.6805
#1	.00117	.05036	.00123	.00246	.00244
#2	.00308	.05243	.00064	.00214	.00235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4041.2**	**59917.**	**4396.2**
Stddev	22.5	292.	.0
%RSD	.55716	.48703	.00045
#1	4025.3	60124.	4396.2
#2	4057.1	59711.	4396.2

Sample Name: 280-19417-a-1-aSD@5 Acquired: 8/25/2011 22:26:43 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.10929**	**-.00087**	**.00886**	**.01967**	**-.00001**	**.00491**	**1.5722**	**.00030**	**.00009**
Stddev	.00052	.00167	.00110	.00038	.00016	.00004	.00130	.0058	.00005	.00032
%RSD	133.52	1.5321	126.25	4.3121	.80324	432.97	26.572	.37120	15.962	359.08
#1	-.00076	.10811	-.00009	.00913	.01955	-.00004	.00583	1.5681	.00027	.00031
#2	-.00002	.11047	-.00165	.00859	.01978	.00002	.00399	1.5764	.00034	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00125**	**.08067**	**.10420**	**.00365**	**.69753**	**.00154**	**.00029**	**5.7849**	**.00013**
Stddev	.00012	.00044	.00285	.02328	.00064	.00131	.00001	.00010	.0169	.00015
%RSD	116.91	34.810	3.5342	22.343	17.649	.18812	.43408	32.467	.29187	113.84
#1	.00019	.00094	.07865	.12066	.00320	.69846	.00153	.00023	5.7968	.00024
#2	.00002	.00156	.08268	.08774	.00411	.69660	.00154	.00036	5.7730	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00130**	**-.00010**	**.04157**	**-.00241**	**-.00099**	**1.6010**	**-.00020**	**.01184**	**-.00129**	**.00350**
Stddev	.00032	.00080	.00798	.00180	.00363	.0029	.00033	.00003	.00070	.00100
%RSD	24.601	780.85	19.189	74.742	367.87	.18198	163.86	.24143	54.032	28.459
#1	.00152	.00046	.03593	-.00114	.00158	1.6031	.00003	.01182	-.00080	.00420
#2	.00107	-.00067	.04721	-.00368	-.00355	1.5990	-.00044	.01186	-.00179	.00279
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00193**	**.02611**	**.00000**	**.00298**	**.00338**
Stddev	.00084	.04284	.00036	.00018	.00046
%RSD	43.630	164.07	15667.	5.9424	13.705
#1	.00134	-.00418	-.00025	.00286	.00305
#2	.00253	.05641	.00026	.00311	.00371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4068.5**	**60667.**	**4366.0**
Stddev	6.1	222.	1.2
%RSD	.15049	.36587	.02860
#1	4072.8	60510.	4365.2
#2	4064.1	60824.	4366.9

Sample Name: 280-19417-a-1-b ms Acquired: 8/25/2011 22:29:23 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05162**	W **3.0130**	**1.0567**	**1.0663**	**2.2105**	**.05071**	**2.4129**	**57.193**	**.10910**	**.50888**
Stddev	.00005	.0040	.0032	.0004	.0045	.00013	.0060	.031	.00010	.00056
%RSD	.10101	.13118	.30247	.04192	.20526	.24928	.24804	.05405	.09376	.10963
#1	.05166	3.0158	1.0590	1.0660	2.2073	.05062	2.4086	57.171	.10917	.50849
#2	.05158	3.0102	1.0545	1.0666	2.2137	.05080	2.4171	57.215	.10903	.50928
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00								
Low Limit		4.0000								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20870**	**.26482**	**1.4360**	**52.386**	**1.0245**	**55.575**	**.52439**	**1.0509**	**83.459**	**.50468**
Stddev	.00029	.00010	.0108	.075	.0005	.004	.00037	.0014	.097	.00026
%RSD	.13665	.03702	.75118	.14227	.04919	.00660	.07115	.13136	.11640	.05246
#1	.20891	.26475	1.4284	52.333	1.0242	55.573	.52413	1.0519	83.391	.50449
#2	.20850	.26489	1.4436	52.439	1.0249	55.578	.52466	1.0499	83.528	.50486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.311**	**.51384**	**.22095**	**.52477**	**2.1057**	**18.152**	**2.0701**	**1.1138**	**1.0265**	**1.0746**
Stddev	.019	.00174	.00422	.00125	.0019	.052	.0014	.0013	.0015	.0005
%RSD	.18901	.33778	1.9117	.23774	.09241	.28646	.06967	.11482	.14637	.04505
#1	10.297	.51507	.21797	.52565	2.1071	18.115	2.0712	1.1129	1.0276	1.0743
#2	10.324	.51262	.22394	.52389	2.1043	18.189	2.0691	1.1147	1.0254	1.0750
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0658**	**2.2300**	**.53584**	**.52582**	**.52768**
Stddev	.0035	.0164	.00055	.00177	.00526
%RSD	.16891	.73303	.10315	.33616	.99765
#1	2.0633	2.2185	.53623	.52707	.52396
#2	2.0682	2.2416	.53545	.52457	.53140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3908.2**	**57347.**	**4353.8**
Stddev	.3	66.	3.4
%RSD	.00711	.11468	.07917
#1	3908.4	57301.	4356.2
#2	3908.0	57394.	4351.3

Sample Name: 280-19417-a-1-c msd Acquired: 8/25/2011 22:31:43 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05045**	W **2.7986**	W **3.0732**	**1.0523**	**1.0606**	**2.2065**	**.05058**	**2.4072**	**57.376**	**.10871**
Stddev	.00018	.0121	.0242	.0006	.0027	.0027	.00001	.0026	.155	.00031
%RSD	.35981	.43353	.78742	.05740	.25006	.12351	.02417	.10645	.27034	.28234
#1	.05058	2.8072	3.0903	1.0519	1.0588	2.2084	.05057	2.4090	57.485	.10850
#2	.05032	2.7900	3.0561	1.0528	1.0625	2.2046	.05059	2.4053	57.266	.10893
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.7000	500.00							
Low Limit		-.05000	4.0000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50573**	**.20694**	**.26306**	**1.4372**	**52.399**	**1.0183**	**55.193**	**.52104**	**1.0494**	**83.366**
Stddev	.00072	.00023	.00061	.0016	.164	.0001	.083	.00111	.0009	.130
%RSD	.14169	.11016	.23311	.10933	.31220	.00563	.15009	.21356	.08230	.15591
#1	.50523	.20710	.26349	1.4361	52.515	1.0183	55.251	.52183	1.0488	83.274
#2	.50624	.20677	.26263	1.4383	52.283	1.0182	55.134	.52025	1.0500	83.458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50088**	**10.249**	**.51096**	**.22042**	**.52156**	**2.1029**	**18.328**	**2.0538**	**1.1126**	**1.0204**
Stddev	.00110	.006	.00037	.00114	.00208	.0007	.007	.0015	.0011	.0003
%RSD	.21867	.05909	.07182	.51612	.39795	.03124	.03839	.07190	.10032	.02855
#1	.50011	10.245	.51122	.21961	.52303	2.1024	18.323	2.0527	1.1134	1.0202
#2	.50166	10.253	.51070	.22122	.52009	2.1033	18.333	2.0548	1.1119	1.0206
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0662**	**2.0501**	**2.1988**	**.52986**	**.52160**	**.52394**
Stddev	.0013	.0042	.0060	.00128	.00387	.00108
%RSD	.11981	.20249	.27075	.24081	.74166	.20681
#1	1.0671	2.0530	2.1945	.53076	.52434	.52318
#2	1.0653	2.0472	2.2030	.52896	.51887	.52471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3930.3**	**57797.**	**4333.0**
Stddev	7.3	100.	13.9
%RSD	.18573	.17333	.32001
#1	3935.5	57726.	4323.2
#2	3925.2	57868.	4342.8

Sample Name: 280-19417-a-2-a Acquired: 8/25/2011 22:34:03 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.00242	.00069	.00322	-.00031	.00001	.00077	.02213	.00042	.00013
Stddev	.00007	.00016	.00007	.00026	.00022	.00000	.00375	.00323	.00007	.00033
%RSD	243.29	6.5192	9.9440	7.9670	71.208	26.659	488.18	14.588	17.561	261.69
#1	-.00002	.00231	.00074	.00340	-.00047	.00001	-.00189	.02442	.00048	-.00011
#2	.00008	.00253	.00065	.00304	-.00015	.00001	.00342	.01985	.00037	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00045	.00095	.00271	.07772	.00475	.00513	.00007	.00599	.08582	-.00004
Stddev	.00004	.00023	.00372	.01542	.00437	.00145	.00002	.00137	.00066	.00004
%RSD	9.7417	24.505	137.18	19.837	92.086	28.333	28.679	22.900	.77153	103.38
#1	.00042	.00078	.00534	.06682	.00166	.00616	.00008	.00502	.08535	-.00007
#2	.00049	.00111	.00008	.08862	.00784	.00411	.00005	.00696	.08629	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00259	-.00142	.00286	-.00133	.00886	.04408	.00113	.00037	-.00125	.00107
Stddev	.00225	.00042	.00329	.00204	.00294	.00091	.00075	.00005	.00055	.00007
%RSD	86.982	29.302	115.11	153.53	33.179	2.0589	66.154	13.570	44.162	6.9737
#1	.00100	-.00112	.00519	-.00277	.00678	.04472	.00060	.00041	-.00164	.00112
#2	.00418	-.00171	.00053	.00011	.01094	.04344	.00166	.00034	-.00086	.00102
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00263	.04876	-.00016	.00165	.00451
Stddev	.00108	.01096	.00025	.00016	.00054
%RSD	41.107	22.476	155.74	9.6707	11.865
#1	.00187	.04101	-.00034	.00154	.00413
#2	.00339	.05651	.00002	.00176	.00489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4113.6	62247.	4399.9
Stddev	5.6	211.	2.8
%RSD	.13504	.33948	.06356
#1	4109.7	62097.	4401.9
#2	4117.6	62396.	4398.0

Sample Name: CCVH-940568 Acquired: 8/25/2011 22:36:40 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02152**	**49.670**	**-.00268**	**.00268**	**-.00018**	**.00001**	**1.0361**	**.02526**	**-.00113**	**.00193**	**.00020**	**-.00088**	**50.726**
Stddev	.00018	.074	.00370	.00111	.00045	.00012	.0006	.00039	.00007	.00008	.00009	.00012	.150
%RSD	.82976	.14891	137.94	41.261	249.27	899.17	.05594	1.5544	6.1857	4.2405	42.793	14.232	.29615
#1	-.02164	49.722	-.00529	.00347	.00014	.00010	1.0357	.02498	-.00118	.00199	.00014	-.00097	50.832
#2	-.02139	49.617	-.00007	.00190	-.00050	-.00007	1.0365	.02553	-.00108	.00187	.00027	-.00079	50.619
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16518**	**.00386**	**-.10561**	**.00096**	**-.00169**	**263.39**	**.00072**	**.00101**	**-.00042**	**5.0328**	**-.00925**	**.01582**	**.01762**
Stddev	.04097	.00096	.00189	.00003	.00058	1.05	.00002	.00010	.00109	.0120	.00084	.00005	.00905
%RSD	24.805	24.994	1.7862	2.8447	34.512	.39956	3.3589	10.160	261.92	.23932	9.0496	.32825	51.386
#1	.19415	.00454	-.10427	.00094	-.00211	264.14	.00070	.00108	.00035	5.0243	-.00984	.01578	.01122
#2	.13621	.00318	-.10694	.00098	-.00128	262.65	.00074	.00093	-.00119	5.0413	-.00866	.01586	.02402
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00186**	**.00055**	**5.0409**	**.00161**	**.00443**	**10.587**	**-.00912**	**.00505**	**.01578**
Stddev	.00076	.00008	.0051	.00001	.00207	.010	.00091	.00008	.00112
%RSD	40.736	14.438	.10139	.52356	46.771	.09260	10.024	1.6724	7.0880
#1	.00240	.00061	5.0372	.00162	.00297	10.581	-.00977	.00511	.01499
#2	.00132	.00050	5.0445	.00160	.00590	10.594	-.00848	.00499	.01657
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3892.9**	**57373.**	**4341.1**
Stddev	2.3	46.	30.3
%RSD	.05882	.07963	.69874
#1	3891.3	57405.	4319.6
#2	3894.5	57341.	4362.5

Sample Name: CCV-940591 Acquired: 8/25/2011 22:39:12 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54397**	**.53410**	**1.0396**	**.51980**	**.52638**	**.50070**	**.00336**	**4.9959**	**.52511**	**.52162**	**.51983**	**.53015**	**2.4778**
Stddev	.00257	.00044	.0004	.00007	.00094	.00090	.00274	.0089	.00005	.00062	.00094	.00064	.0030
%RSD	.47264	.08272	.03365	.01301	.17931	.18013	81.517	.17769	.00979	.11898	.18049	.11996	.12214
#1	.54579	.53442	1.0394	.51975	.52704	.50134	.00142	4.9896	.52515	.52205	.52049	.53060	2.4757
#2	.54215	.53379	1.0399	.51985	.52571	.50007	.00529	5.0021	.52508	.52118	.51916	.52970	2.4799
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.405**	**1.0288**	**21.134**	**.52363**	**.51691**	**5.3410**	**.51709**	**1.0054**	**1.0516**	**.00050**	**1.0257**	**1.0375**	**4.8873**
Stddev	.145	.0000	.008	.00038	.00039	.0231	.00086	.0038	.0047	.00366	.0000	.0013	.0246
%RSD	.28120	.00403	.03986	.07196	.07564	.43250	.16672	.37759	.44820	727.76	.00236	.12498	.50369
#1	51.507	1.0288	21.140	.52390	.51719	5.3574	.51770	1.0027	1.0549	.00309	1.0257	1.0366	4.8699
#2	51.303	1.0287	21.128	.52336	.51664	5.3247	.51648	1.0081	1.0482	-.00208	1.0257	1.0384	4.9047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0327**	**.52533**	**-.00141**	**.51288**	**1.0671**	**.06372**	**.53035**	**.52889**	**.50146**
Stddev	.0010	.00063	.00156	.00079	.0016	.00061	.00066	.00025	.00173
%RSD	.10005	.11931	110.04	.15378	.15161	.95736	.12435	.04756	.34460
#1	1.0334	.52577	-.00251	.51344	1.0660	.06329	.53081	.52907	.50268
#2	1.0319	.52488	-.00031	.51232	1.0683	.06415	.52988	.52871	.50024
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3980.0**	**58993.**	**4328.3**
Stddev	1.1	60.	3.7
%RSD	.02770	.10132	.08528
#1	3979.2	58950.	4325.7
#2	3980.8	59035.	4330.9

Sample Name: CCB Acquired: 8/25/2011 22:41:36 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.00026**	**.00072**	W **.00191**	**-.00035**	**.00009**	**-.00253**	**.00390**	**.00031**	**-.00005**	**.00019**
Stddev	.00105	.00276	.00144	.00024	.00058	.00001	.00248	.00462	.00022	.00009	.00002
%RSD	175.72	1062.8	201.15	12.699	163.20	12.357	98.153	118.59	69.432	184.64	12.998
#1	.00134	-.00169	-.00030	.00174	.00005	.00009	-.00077	.00063	.00016	.00001	.00020
#2	-.00014	.00221	.00174	.00208	-.00076	.00008	-.00428	.00717	.00047	-.00011	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00105**	**-.00165**	**.06914**	**-.00162**	**.00262**	**.00003**	**.00276**	**.03149**	**-.00008**	**-.00402**	**-.00254**
Stddev	.00001	.00155	.03170	.00492	.00321	.00001	.00076	.01429	.00010	.00127	.00069
%RSD	.78708	94.139	45.847	304.27	122.28	23.873	27.431	45.382	135.94	31.703	27.351
#1	.00105	-.00055	.09156	-.00510	.00035	.00003	.00223	.04159	-.00015	-.00492	-.00205
#2	.00106	-.00274	.04673	.00186	.00489	.00002	.00330	.02138	.00000	-.00312	-.00303
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00124**	F **.00732**	W **.00555**	**-.00008**	**.00132**	**.00015**	**-.00180**	**.00018**	**.00151**	**.02264**	**.00007**
Stddev	.00312	.00044	.00095	.00474	.00059	.00008	.00065	.00006	.00193	.02236	.00033
%RSD	252.30	5.9944	17.096	5635.6	44.932	49.808	35.919	36.153	128.20	98.748	482.90
#1	.00097	.00701	.00622	-.00343	.00090	.00010	-.00134	.00013	.00014	.00683	.00031
#2	-.00345	.00764	.00488	.00327	.00174	.00021	-.00226	.00022	.00288	.03845	-.00017
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00171**	W **.00288**
Stddev	.00032	.00092
%RSD	18.893	31.895
#1	.00194	.00223
#2	.00148	.00353
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4020.2**	**60437.**	**4305.8**
Stddev	17.2	24.	12.7
%RSD	.42668	.03981	.29594
#1	4008.1	60454.	4314.8
#2	4032.4	60420.	4296.8

Sample Name: CCVL942742 Acquired: 8/25/2011 22:44:14 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01124**	**.10670**	**.01516**	**.10192**	**.01020**	**.00094**	F **.13351**	**.20478**	**.00567**	**.01088**	**.01053**
Stddev	.00001	.00349	.00097	.00050	.00025	.00003	.00344	.00398	.00001	.00013	.00011
%RSD	.11078	3.2694	6.4130	.48934	2.4559	3.6236	2.5775	1.9451	.25521	1.1715	1.0402
#1	.01125	.10423	.01448	.10227	.01037	.00096	.13108	.20760	.00568	.01097	.01046
#2	.01123	.10917	.01585	.10157	.01002	.00092	.13595	.20196	.00566	.01079	.01061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01746**	**.09922**	**3.1386**	**.01190**	**.21977**	**.01065**	**.02003**	**1.0963**	**.04248**	**2.9062**	**.00824**
Stddev	.00039	.00314	.0196	.00226	.00041	.00002	.00017	.0037	.00037	.0042	.00025
%RSD	2.2114	3.1654	.62386	18.991	.18826	.16030	.85542	.33768	.87792	.14414	3.0134
#1	.01774	.09700	3.1525	.01030	.22006	.01067	.02015	1.0989	.04222	2.9032	.00806
#2	.01719	.10145	3.1248	.01350	.21948	.01064	.01991	1.0937	.04275	2.9091	.00841
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00050**	W **.00772**	**.01234**	**.47065**	**.10170**	**.01059**	W **.01146**	**.01047**	W **.01908**	F **.10459**	**.01048**
Stddev	.00504	.00049	.00216	.00248	.00003	.00005	.00115	.00014	.00176	.01517	.00043
%RSD	1005.1	6.3346	17.505	.52688	.02788	.49724	10.057	1.3606	9.2205	14.508	4.1408
#1	-.00407	.00807	.01387	.46889	.10172	.01056	.01064	.01057	.02033	.09386	.01079
#2	.00306	.00737	.01082	.47240	.10168	.01063	.01227	.01037	.01784	.11532	.01018
Check ?	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Fail	Chk Pass
Value		.01000					.01500		.01500	.06000	
Range		-20.000%					-20.000%		20.000%	30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02322**	W **.01947**
Stddev	.00020	.00127
%RSD	.84963	6.5362
#1	.02335	.02037
#2	.02308	.01857
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4071.4**	**61454.**	**4337.2**
Stddev	1.8	46.	35.3
%RSD	.04385	.07524	.81374
#1	4072.6	61487.	4312.2
#2	4070.1	61422.	4362.1

Sample Name: 280-19417-a-3-a Acquired: 8/25/2011 22:46:48 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	.28873	.00225	.03151	.06301	.00022	-.00043	3.7040	.00014	.00065
Stddev	.00067	.00305	.00027	.00057	.00005	.00009	.00040	.0076	.00002	.00015
%RSD	311.38	1.0565	12.122	1.8116	.08726	39.743	92.898	.20456	16.568	23.538
#1	-.00026	.29089	.00205	.03191	.06305	.00016	-.00071	3.7094	.00012	.00076
#2	.00069	.28658	.00244	.03110	.06297	.00029	-.00015	3.6986	.00015	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00033	.00119	.11448	.47976	.00747	1.9964	.02626	.00019	17.399	.00156
Stddev	.00021	.00008	.00308	.00965	.00137	.0032	.00011	.00034	.035	.00016
%RSD	64.276	6.8404	2.6885	2.0122	18.339	.16044	.40885	180.62	.19856	10.086
#1	.00049	.00125	.11666	.48659	.00650	1.9987	.02633	-.00005	17.424	.00167
#2	.00018	.00113	.11230	.47294	.00844	1.9942	.02618	.00043	17.375	.00145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02215	.00043	.23817	.00054	.00253	7.3524	.00002	.03237	-.00150	.00958
Stddev	.00115	.00074	.00469	.00160	.00247	.0350	.00028	.00011	.00156	.00028
%RSD	5.1825	170.60	1.9681	296.01	97.803	.47574	1416.1	.33016	103.82	2.9708
#1	.02134	-.00009	.24149	.00167	.00078	7.3772	-.00018	.03244	-.00260	.00978
#2	.02296	.00096	.23486	-.00059	.00427	7.3277	.00021	.03229	-.00040	.00938
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00301	.05820	.00023	.00418	.00448
Stddev	.00022	.00224	.00013	.00048	.00090
%RSD	7.2075	3.8404	58.677	11.585	20.165
#1	.00286	.05978	.00032	.00384	.00511
#2	.00317	.05662	.00013	.00453	.00384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4051.9	60712.	4390.7
Stddev	8.6	63.	4.1
%RSD	.21214	.10303	.09225
#1	4045.8	60756.	4393.6
#2	4058.0	60668.	4387.9

Sample Name: 280-19417-a-4-a Acquired: 8/25/2011 22:49:23 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00033	.08432	-.00048	.04223	.06826	.00045	.00228	1.9725	.00057	.00102
Stddev	.00058	.00034	.00081	.00024	.00031	.00003	.00068	.0009	.00007	.00002
%RSD	177.20	.40540	170.21	.55857	.45325	7.6196	29.709	.04556	12.280	1.6829
#1	-.00008	.08408	.00010	.04240	.06804	.00042	.00276	1.9731	.00062	.00103
#2	.00074	.08457	-.00105	.04207	.06848	.00047	.00180	1.9718	.00052	.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00008	.00203	.08279	.82736	.00813	1.2407	.07337	-.00052	19.870	.00202
Stddev	.00017	.00064	.00301	.01280	.00183	.0002	.00002	.00054	.104	.00013
%RSD	207.22	31.373	3.6296	1.5475	22.567	.01844	.03341	104.30	.52362	6.5650
#1	.00020	.00158	.08067	.83641	.00683	1.2409	.07339	-.00090	19.796	.00192
#2	-.00004	.00248	.08492	.81831	.00942	1.2405	.07335	-.00014	19.944	.00211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07915	-.00109	.35429	-.00076	.00115	6.9513	.00052	.02185	-.00226	.00046
Stddev	.00119	.00053	.01042	.00058	.00275	.0234	.00059	.00007	.00060	.00039
%RSD	1.4973	48.480	2.9420	77.047	238.61	.33733	114.69	.32678	26.419	83.867
#1	.07831	-.00071	.36166	-.00117	-.00079	6.9347	.00094	.02190	-.00184	.00019
#2	.07999	-.00146	.34692	-.00034	.00309	6.9679	.00010	.02180	-.00268	.00074
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00141	.05729	-.00195	.00439	.00183
Stddev	.00220	.01483	.00087	.00005	.00174
%RSD	155.83	25.885	44.785	1.2354	94.955
#1	.00297	.06778	-.00133	.00435	.00306
#2	-.00014	.04681	-.00257	.00442	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4042.4	60693.	4372.9
Stddev	6.7	40.	6.3
%RSD	.16519	.06601	.14349
#1	4047.1	60664.	4377.3
#2	4037.7	60721.	4368.5

Sample Name: 280-19417-a-5-a Acquired: 8/25/2011 22:51:59 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.14776**	**-.00243**	**.03777**	**.06029**	**.00012**	**.00182**	**3.3326**	**.00026**	**.00031**
Stddev	.00053	.00254	.00068	.00031	.00031	.00002	.00495	.0040	.00033	.00001
%RSD	597.08	1.7200	28.060	.82005	.51748	14.531	271.32	.11914	125.41	4.3894
#1	.00028	.14956	-.00195	.03798	.06051	.00014	-.00168	3.3355	.00049	.00030
#2	-.00046	.14597	-.00291	.03755	.06007	.00011	.00532	3.3298	.00003	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00143**	**.03713**	**.33276**	**.00522**	**1.6142**	**.00746**	**.00002**	**20.432**	**.00075**
Stddev	.00007	.00017	.00472	.03920	.00101	.0004	.00003	.00007	.287	.00013
%RSD	23.190	12.082	12.723	11.782	19.439	.02163	.33742	369.08	1.4064	17.916
#1	.00026	.00156	.03379	.30504	.00594	1.6139	.00744	-.00003	20.229	.00084
#2	.00037	.00131	.04047	.36048	.00450	1.6144	.00748	.00007	20.636	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02686**	**.00000**	**.95934**	**.00033**	**.00092**	**6.8203**	**-.00065**	**.02831**	**-.00157**	**.00376**
Stddev	.00067	.0006	.00370	.00119	.00171	.0182	.00040	.00007	.00026	.00043
%RSD	2.4984	27240.	.38587	364.94	186.58	.26635	61.872	.23242	16.535	11.502
#1	.02639	-.00045	.96196	-.00052	-.00029	6.8075	-.00036	.02827	-.00175	.00407
#2	.02734	.00045	.95672	.00117	.00213	6.8332	-.00093	.02836	-.00138	.00346
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00221**	**.03716**	**.00018**	**.00307**	**.00341**
Stddev	.00016	.00934	.00017	.00013	.00162
%RSD	7.1832	25.138	98.282	4.2335	47.655
#1	.00233	.04376	.00030	.00297	.00456
#2	.00210	.03055	.00005	.00316	.00226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4035.4**	**60415.**	**4384.4**
Stddev	7.7	82.	1.1
%RSD	.18998	.13608	.02400
#1	4030.0	60473.	4385.1
#2	4040.9	60357.	4383.6

Sample Name: 280-19417-a-6-a Acquired: 8/25/2011 22:54:34 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00022	.05708	-.00246	.02372	.03385	.00017	.00017	1.6137	.00037	.00064
Stddev	.00024	.00009	.00144	.00026	.00042	.00005	.00023	.0055	.00013	.00007
%RSD	110.64	.15935	58.658	1.1012	1.2313	27.918	134.20	.34176	34.530	10.768
#1	-.00039	.05715	-.00348	.02390	.03414	.00020	.00033	1.6098	.00046	.00059
#2	-.00005	.05702	-.00144	.02353	.03355	.00013	.00001	1.6176	.00028	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00011	.00130	.01382	.58349	.00757	.86156	.01095	-.00042	8.8944	.00085
Stddev	.00020	.00061	.00019	.00317	.00119	.00468	.00007	.00039	.0114	.00014
%RSD	181.87	47.196	1.3616	.54342	15.734	.54325	.63137	92.175	.12798	16.388
#1	.00025	.00173	.01368	.58125	.00842	.86487	.01099	-.00015	8.9025	.00094
#2	-.00003	.00086	.01395	.58574	.00673	.85825	.01090	-.00070	8.8864	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02208	-.00083	.27331	-.00267	-.00239	5.6247	-.00110	.01450	-.00135	.00034
Stddev	.00021	.00171	.00142	.00158	.00109	.0156	.00038	.00004	.00056	.00045
%RSD	.94430	207.57	.51775	59.157	45.720	.27773	33.999	.28750	41.280	134.48
#1	.02223	-.00204	.27431	-.00379	-.00316	5.6358	-.00084	.01447	-.00175	.00002
#2	.02193	.00039	.27231	-.00155	-.00162	5.6137	-.00137	.01453	-.00096	.00066
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00117	.04578	-.00043	.00294	.00232
Stddev	.00250	.04194	.00024	.00023	.00185
%RSD	214.27	91.630	55.027	7.7894	79.889
#1	.00294	.07543	-.00026	.00278	.00363
#2	-.00060	.01612	-.00059	.00310	.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4071.4	61092.	4399.7
Stddev	5.6	113.	5.6
%RSD	.13667	.18501	.12622
#1	4067.5	61172.	4403.6
#2	4075.3	61012.	4395.7

Sample Name: 280-19417-a-7-a Acquired: 8/25/2011 22:57:10 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.03151**	**.00059**	**.04850**	**.06773**	**.00020**	**.00081**	**2.4315**	**.00028**	**.00172**
Stddev	.00016	.00116	.00141	.00030	.00004	.00004	.00032	.0095	.00020	.00008
%RSD	83.991	3.6944	238.62	.61398	.05250	20.158	39.714	.38918	74.112	4.4526
#1	.00008	.03234	-.00041	.04829	.06771	.00017	.00058	2.4381	.00042	.00166
#2	.00030	.03069	.00159	.04871	.06776	.00023	.00104	2.4248	.00013	.00177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00106**	**.15385**	**1.9074**	**.00185**	**1.2562**	**.01067**	**-.00058**	**21.911**	**.00170**
Stddev	.00029	.00027	.00325	.0128	.00359	.0037	.00002	.00009	.262	.00013
%RSD	238.09	25.315	2.1115	.67200	193.89	.29825	.19254	15.617	1.1945	7.8424
#1	.00033	.00087	.15155	1.9165	.00439	1.2589	.01068	-.00064	21.726	.00180
#2	-.00008	.00125	.15615	1.8983	-.00069	1.2536	.01065	-.00052	22.096	.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01183**	**.00036**	**.46554**	**-.00162**	**-.00095**	**10.036**	**-.00041**	**.02138**	**-.00170**	**.00034**
Stddev	.00083	.00051	.00235	.00090	.00344	.014	.00056	.00001	.00076	.00003
%RSD	6.9818	142.64	.50555	55.462	362.15	.14319	136.96	.02641	44.642	7.6677
#1	.01241	.00000	.46387	-.00226	.00148	10.026	-.00081	.02139	-.00116	.00032
#2	.01125	.00072	.46720	-.00099	-.00338	10.047	-.00001	.02138	-.00224	.00036
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**.02595**	**-.00037**	**.00623**	**.00426**
Stddev	.00114	.00200	.00048	.00032	.00294
%RSD	101.27	7.6959	130.64	5.1239	68.972
#1	.00193	.02736	-.00071	.00646	.00218
#2	.00032	.02453	-.00003	.00600	.00634
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4055.4**	**60767.**	**4398.6**
Stddev	5.4	30.	3.7
%RSD	.13392	.04872	.08391
#1	4051.6	60746.	4396.0
#2	4059.3	60788.	4401.2

Sample Name: 280-19417-a-8-a Acquired: 8/25/2011 22:59:46 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**.05949**	**-.00094**	**.03619**	**.06359**	**.00012**	**.00265**	**4.2732**	**.00017**	**.00047**
Stddev	.00038	.00179	.00192	.00031	.00015	.00002	.00120	.0008	.00032	.00017
%RSD	96.872	3.0041	203.68	.85410	.23019	12.726	45.101	.02000	182.94	35.480
#1	-.00012	.06075	-.00230	.03641	.06369	.00013	.00350	4.2738	-.00005	.00059
#2	-.00067	.05822	.00041	.03598	.06349	.00011	.00181	4.2726	.00040	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00181**	**.01883**	**.30248**	**.00536**	**2.2161**	**.00186**	**-.00029**	**19.102**	**.00046**
Stddev	.00021	.00000	.00054	.00691	.00007	.0061	.00001	.00011	.423	.00043
%RSD	89.829	.17870	2.8452	2.2856	1.2531	.27717	.60193	37.162	2.2147	93.975
#1	.00009	.00181	.01845	.29759	.00541	2.2205	.00186	-.00037	19.401	.00015
#2	.00039	.00182	.01921	.30737	.00531	2.2118	.00185	-.00021	18.803	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00552**	**-.00034**	**.18708**	**-.00029**	**.00030**	**6.6348**	**.00007**	**.03922**	**-.00250**	**.00153**
Stddev	.00430	.00158	.00250	.00029	.00393	.0038	.00053	.00004	.00046	.00017
%RSD	77.858	463.72	1.3354	98.177	1320.0	.05764	794.00	.09677	18.589	11.302
#1	.00857	.00078	.18531	-.00050	.00307	6.6375	.00044	.03920	-.00282	.00165
#2	.00248	-.00146	.18885	-.00009	-.00248	6.6321	-.00031	.03925	-.00217	.00141
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00101**	**.06577**	**-.00041**	**.00260**	**.00389**
Stddev	.00027	.03606	.00066	.00027	.00437
%RSD	26.619	54.828	161.28	10.463	112.32
#1	.00119	.09127	-.00087	.00280	.00080
#2	.00082	.04027	.00006	.00241	.00699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4048.9**	**60744.**	**4402.5**
Stddev	14.7	71.	24.1
%RSD	.36245	.11764	.54851
#1	4038.6	60795.	4385.5
#2	4059.3	60694.	4419.6

Sample Name: 280-19417-a-9-a Acquired: 8/25/2011 23:02:22 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00024	.92347	.00117	.02465	.05175	.00023	.00146	2.2052	.00042	.00107
Stddev	.00024	.00941	.00000	.00048	.00046	.00013	.00137	.0038	.00009	.00007
%RSD	101.82	1.0191	.20109	1.9301	.88716	55.204	93.558	.17130	21.481	6.8287
#1	-.00041	.93012	.00117	.02499	.05208	.00032	.00243	2.2079	.00036	.00102
#2	-.00007	.91681	.00117	.02432	.05143	.00014	.00049	2.2025	.00049	.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00369	.00205	1.5930	.37406	.00373	1.2616	.03845	-.00059	11.738	.00261
Stddev	.00012	.00019	.0001	.00846	.00413	.0053	.00017	.00011	.032	.00014
%RSD	3.1768	9.1293	.00728	2.2625	110.94	.41986	.44340	18.390	.27187	5.2643
#1	.00360	.00218	1.5930	.36808	.00080	1.2578	.03833	-.00067	11.760	.00251
#2	.00377	.00192	1.5931	.38005	.00665	1.2653	.03857	-.00052	11.715	.00271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09330	.00093	.24193	-.00019	-.00124	7.3880	.00005	.02150	-.00081	.02899
Stddev	.00064	.00064	.00247	.00149	.00308	.0259	.00087	.00004	.00051	.00091
%RSD	.68360	68.995	1.0193	790.67	248.45	.35022	1602.7	.17517	63.560	3.1225
#1	.09376	.00139	.24019	-.00124	.00094	7.4063	.00067	.02152	-.00117	.02963
#2	.09285	.00048	.24368	.00086	-.00342	7.3697	-.00056	.02147	-.00045	.02835
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00038	.01088	.00234	.00642	.00501
Stddev	.00246	.00182	.00027	.00045	.00078
%RSD	643.17	16.752	11.380	7.0878	15.583
#1	-.00135	.00960	.00253	.00610	.00445
#2	.00212	.01217	.00215	.00674	.00556
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4082.2	61226.	4430.2
Stddev	5.8	128.	.1
%RSD	.14273	.20899	.00253
#1	4078.1	61316.	4430.1
#2	4086.3	61136.	4430.3

Sample Name: 280-19417-a-10-a Acquired: 8/25/2011 23:04:57 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00005	.22194	-.00425	.04668	.05811	.00012	.00093	3.4674	.00026	.00036
Stddev	.00008	.00089	.00065	.00035	.00037	.00007	.00100	.0031	.00018	.00029
%RSD	170.10	.40160	15.232	.74947	.63867	58.291	107.34	.08913	66.594	80.390
#1	.00001	.22257	-.00471	.04643	.05837	.00007	.00022	3.4696	.00039	.00015
#2	-.00010	.22131	-.00380	.04693	.05785	.00017	.00164	3.4652	.00014	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00018	.00151	.16825	.28965	.00371	1.7300	.00315	-.00030	21.528	.00094
Stddev	.00003	.00037	.00254	.04259	.00291	.0031	.00009	.00002	.080	.00009
%RSD	17.381	24.211	1.5119	14.705	78.498	.17871	2.7343	7.7270	.37105	9.2438
#1	.00016	.00125	.17005	.31977	.00165	1.7321	.00321	-.00032	21.585	.00088
#2	.00020	.00177	.16645	.25953	.00576	1.7278	.00308	-.00029	21.472	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07962	.00029	.25766	-.00177	.00182	7.1890	-.00013	.03117	-.00304	.00663
Stddev	.00371	.00103	.00157	.00043	.00344	.0064	.00064	.00015	.00078	.00046
%RSD	4.6557	349.95	.61023	24.321	188.41	.08862	477.89	.49156	25.593	6.9760
#1	.08224	-.00043	.25655	-.00147	.00425	7.1845	.00032	.03128	-.00249	.00695
#2	.07700	.00102	.25877	-.00208	-.00061	7.1935	-.00058	.03106	-.00359	.00630
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00154	.04887	.00012	.00204	.00515
Stddev	.00108	.00812	.00001	.00010	.00044
%RSD	69.959	16.604	11.487	4.7227	8.5563
#1	.00230	.05461	.00013	.00210	.00546
#2	.00078	.04314	.00011	.00197	.00484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4046.4	60737.	4412.9
Stddev	5.7	3.	18.6
%RSD	.14101	.00552	.42137
#1	4042.4	60735.	4426.1
#2	4050.5	60740.	4399.8

Sample Name: CCVH-940568 Acquired: 8/25/2011 23:07:33 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02047**	**50.101**	**-.00192**	**.00144**	**-.00008**	**-.00014**	**1.0482**	**.02814**	**-.00107**	**.00198**	**-.00005**	**-.00061**	**51.363**
Stddev	.00029	.051	.00286	.00020	.00088	.00003	.0009	.00005	.00012	.00009	.00018	.00045	.085
%RSD	1.4170	.10173	148.73	13.839	1077.1	20.246	.08761	.18309	11.554	4.7966	350.41	73.493	.16551
#1	-.02068	50.064	.00010	.00158	-.00070	-.00012	1.0475	.02817	-.00115	.00205	.00007	-.00093	51.303
#2	-.02027	50.137	-.00395	.00130	.00054	-.00016	1.0488	.02810	-.00098	.00191	-.00018	-.00029	51.423
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12493**	**.00081**	**-.10873**	**.00105**	**-.00221**	**264.90**	**.00104**	**.00403**	**-.00216**	**5.0558**	**-.01075**	**.01515**	**.01667**
Stddev	.03072	.00126	.00107	.00003	.00002	.63	.00016	.00012	.00000	.0187	.00027	.00313	.00341
%RSD	24.587	155.17	.98866	2.7313	.96412	.23959	15.045	2.8987	.05896	.36925	2.5268	20.652	20.453
#1	.10321	-.00008	-.10949	.00103	-.00222	264.45	.00093	.00395	-.00216	5.0425	-.01094	.01736	.01908
#2	.14665	.00170	-.10797	.00107	-.00219	265.35	.00115	.00412	-.00216	5.0690	-.01056	.01294	.01426
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00139**	**.00039**	**5.0900**	**.00072**	**.00482**	**10.586**	**-.00837**	**.00465**	**.00857**
Stddev	.00043	.00007	.0099	.00052	.00049	.011	.00012	.00017	.00128
%RSD	31.046	17.509	.19454	72.048	10.260	.10083	1.4906	3.5788	14.881
#1	.00170	.00044	5.0970	.00109	.00517	10.593	-.00828	.00477	.00947
#2	.00109	.00034	5.0830	.00036	.00447	10.578	-.00845	.00453	.00767
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3865.9**	**56832.**	**4322.6**
Stddev	1.7	131.	.1
%RSD	.04422	.23069	.00168
#1	3867.1	56925.	4322.6
#2	3864.7	56739.	4322.5

Sample Name: CCV-940591 Acquired: 8/25/2011 23:10:06 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54421**	**.53664**	**1.0384**	**.51715**	**.52541**	**.49795**	**.00509**	**5.0111**	**.52290**	**.52397**	**.52197**	**.52986**	**2.4634**
Stddev	.00087	.00037	.0012	.00064	.00065	.00160	.00000	.0168	.00059	.00058	.00008	.00069	.0079
%RSD	.16072	.06837	.11864	.12337	.12380	.32071	.09111	.33505	.11194	.10978	.01557	.13070	.32167
#1	.54359	.53638	1.0393	.51670	.52587	.49908	.00509	5.0230	.52249	.52356	.52191	.53035	2.4690
#2	.54483	.53690	1.0376	.51761	.52495	.49682	.00510	4.9992	.52332	.52437	.52202	.52937	2.4578
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.100**	**1.0150**	**21.089**	**.52165**	**.51494**	**5.2571**	**.51789**	**1.0146**	**1.0477**	**-.00260**	**1.0249**	**1.0341**	**4.8709**
Stddev	.044	.0087	.019	.00047	.00030	.0249	.00045	.0004	.0012	.00501	.0009	.0054	.0132
%RSD	.08702	.85765	.08856	.09029	.05785	.47274	.08611	.04185	.11241	193.08	.09072	.52083	.27099
#1	51.131	1.0089	21.075	.52131	.51515	5.2747	.51757	1.0143	1.0485	-.00614	1.0242	1.0379	4.8616
#2	51.068	1.0212	21.102	.52198	.51473	5.2395	.51820	1.0149	1.0469	.00095	1.0255	1.0303	4.8802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0325**	**.52196**	**-.00008**	**.51526**	**1.0683**	**.05564**	**.52913**	**.52641**	**.49965**
Stddev	.0006	.00101	.00071	.00059	.0032	.01672	.00041	.00003	.00017
%RSD	.06041	.19363	838.03	.11388	.30362	30.054	.07829	.00505	.03361
#1	1.0320	.52267	.00042	.51485	1.0660	.04381	.52884	.52643	.49977
#2	1.0329	.52124	-.00059	.51568	1.0706	.06746	.52942	.52639	.49953
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3967.2**	**58887.**	**4335.9**
Stddev	1.2	214.	21.5
%RSD	.02905	.36260	.49601
#1	3968.0	59038.	4320.7
#2	3966.4	58736.	4351.1

Sample Name: CCB Acquired: 8/25/2011 23:12:28 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.00100**	**.00134**	**.00081**	**.00002**	**.00020**	**.00037**	**.00099**	**.00024**	**.00000**	**-.00014**
Stddev	.00021	.00100	.00016	.00026	.00024	.00003	.00003	.00425	.00039	.00006	.00017
%RSD	72.121	99.788	11.708	32.295	996.84	12.673	7.4746	428.16	159.47	3789.2	119.46
#1	-.00014	.00030	.00123	.00099	.00019	.00018	.00039	.00400	-.00003	.00004	-.00026
#2	-.00045	.00171	.00145	.00062	-.00014	.00022	.00035	-.00201	.00052	-.00004	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**.00265**	**.06644**	W **.00311**	**.00123**	**.00004**	**.00293**	**.04716**	**-.00025**	**-.00001**	**-.00120**
Stddev	.00036	.00037	.00620	.00109	.00222	.00000	.00032	.02457	.00010	.00112	.00048
%RSD	44.321	14.125	9.3301	35.099	180.97	1.2023	10.760	52.107	40.724	9085.2	40.419
#1	.00055	.00291	.07082	.00234	.00280	.00004	.00271	.06454	-.00032	.00078	-.00154
#2	.00106	.00238	.06206	.00388	-.00034	.00003	.00316	.02978	-.00018	-.00080	-.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	W **.00585**	**.00175**	**.00247**	**.00017**	**.00025**	**-.00323**	**.00023**	**.00095**	**.03768**	**.00026**
Stddev	.00285	.00074	.00350	.01264	.00005	.00004	.00042	.00031	.00052	.03027	.00067
%RSD	1196.3	12.612	200.04	512.16	27.019	17.090	12.951	135.20	54.865	80.340	259.20
#1	-.00226	.00533	.00423	-.00647	.00020	.00028	-.00293	.00001	.00131	.05909	-.00022
#2	.00178	.00637	-.00073	.01141	.00014	.00022	-.00352	.00045	.00058	.01628	.00073
Check ?	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00112**	F **.00522**
Stddev	.00037	.00046
%RSD	33.017	8.7389
#1	.00086	.00490
#2	.00138	.00555
Check ?	Chk Pass	Chk Fail
High Limit		.00476
Low Limit		-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4005.6**	**60420.**	**4313.3**
Stddev	1.9	72.	8.1
%RSD	.04816	.11956	.18766
#1	4004.2	60369.	4307.6
#2	4007.0	60472.	4319.0

Sample Name: CCVL942742 Acquired: 8/25/2011 23:15:04 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01100**	**.10926**	**.01592**	**.10197**	**.01016**	**.00094**	F **.13256**	**.20445**	**.00549**	**.01089**	**.01052**
Stddev	.00017	.00096	.00263	.00041	.00005	.00006	.00333	.00094	.00017	.00007	.00013
%RSD	1.5693	.87729	16.545	.40644	.51761	6.6831	2.5145	.45871	3.1814	.61337	1.2228
#1	.01088	.10994	.01406	.10226	.01012	.00098	.13492	.20379	.00561	.01084	.01061
#2	.01113	.10858	.01778	.10168	.01019	.00089	.13020	.20512	.00537	.01093	.01043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01677**	**.10202**	**3.1297**	W **.01248**	**.22168**	**.01065**	**.01997**	**1.0968**	**.04262**	**2.9289**	**.00847**
Stddev	.00049	.00098	.0174	.00541	.00092	.00003	.00005	.0036	.00019	.0033	.00044
%RSD	2.9436	.96351	.55553	43.319	.41449	.29606	.23947	.33194	.45017	.11319	5.1527
#1	.01642	.10133	3.1174	.01630	.22233	.01067	.01994	1.0942	.04248	2.9313	.00878
#2	.01712	.10272	3.1419	.00866	.22103	.01063	.02001	1.0994	.04275	2.9266	.00816
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00897**	**.01359**	**.46696**	**.10274**	**.01086**	**.01249**	**.01063**	W **.01832**	F **.09017**	**.01014**
Stddev	.00194	.00034	.00353	.00577	.00041	.00018	.00116	.00025	.00035	.00514	.00012
%RSD	377.33	3.7670	25.954	1.2354	.39617	1.6633	9.2571	2.3594	1.8991	5.6997	1.2040
#1	.00189	.00921	.01110	.47104	.10245	.01073	.01331	.01046	.01808	.09381	.01006
#2	-.00086	.00873	.01609	.46288	.10303	.01099	.01167	.01081	.01857	.08654	.01023
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass
Value									.01500	.06000	
Range									20.000%	30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02251**	F **.01998**
Stddev	.00020	.00231
%RSD	.90374	11.546
#1	.02265	.01835
#2	.02236	.02161
Check ?	Chk Pass	Chk Fail
Value		.01500
Range		30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4050.0**	**61133.**	**4341.7**
Stddev	5.1	91.	16.7
%RSD	.12670	.14933	.38467
#1	4046.4	61068.	4353.5
#2	4053.7	61197.	4329.8

Sample Name: lb 280-82737/1-b Acquired: 8/25/2011 23:17:40 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83038 DOD4 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00030	.00387	-.00113	W .00628	W .00527	-.00005	-.00175	.08663	.00027	.00008
Stddev	.00065	.00196	.00370	.00050	.00016	.00008	.00078	.00103	.00016	.00049
%RSD	212.81	50.793	328.38	7.8894	3.0127	166.87	44.203	1.1926	57.754	578.21
#1	.00015	.00248	-.00374	.00663	.00515	-.00010	-.00121	.08590	.00016	-.00026
#2	-.00076	.00526	.00149	.00593	.00538	.00001	-.00230	.08736	.00038	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00500	.00500					
Low Limit				-.00500	-.00500					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00029	F .01229	.00316	.17647	.00208	.01606	.00030	-.00013	276.36	.00025
Stddev	.00008	.00025	.00335	.03317	.00292	.00353	.00004	.00017	.52	.00024
%RSD	27.472	2.0413	105.90	18.798	139.91	21.995	12.646	130.87	.18662	95.448
#1	.00035	.01211	.00079	.15301	.00002	.01856	.00033	-.00025	276.72	.00008
#2	.00023	.01247	.00553	.19993	.00415	.01356	.00027	-.00001	275.99	.00042
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit		.01000								
Low Limit		-.01000								

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00234	F -.00339	.00158	-.00116	-.00115	.00814	-.00061	.00062	-.00108	.00013
Stddev	.00088	.00009	.00488	.00135	.00172	.01125	.00089	.00005	.00112	.00008
%RSD	37.744	2.6911	307.81	116.73	149.22	138.25	147.28	8.3428	104.37	62.429
#1	-.00296	-.00333	.00503	-.00212	-.00236	.01609	-.00124	.00066	-.00028	.00007
#2	-.00171	-.00346	-.00186	-.00020	.00006	.00018	.00003	.00058	-.00187	.00019
Check ?	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00300								
Low Limit		-.00300								

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00230	F .06102	.00032	.00264	.00338
Stddev	.00041	.01783	.00023	.00001	.00150
%RSD	17.680	29.225	72.054	.33944	44.293
#1	.00259	.07363	.00016	.00264	.00444
#2	.00201	.04841	.00049	.00265	.00232
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.06000			
Low Limit		-.06000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3831.5	56625.	4309.3
Stddev	3.4	148.	9.8
%RSD	.08874	.26114	.22676
#1	3833.9	56729.	4316.2
#2	3829.1	56520.	4302.4

Sample Name: lcs 280-82737/2-b Acquired: 8/25/2011 23:20:18 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83038 DOD4 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23434**	**.43106**	**.88934**	**.20964**	**2.6684**	**.01055**	F **.50893**	**10.554**	**.24747**	**.10970**
Stddev	.00131	.00037	.00164	.00003	.0049	.00013	.00144	.018	.00000	.00001
%RSD	.55734	.08519	.18495	.01462	.18399	1.1954	.28319	.16817	.00072	.00770
#1	.23341	.43080	.89050	.20962	2.6650	.01046	.50995	10.541	.24747	.10969
#2	.23526	.43132	.88817	.20966	2.6719	.01064	.50791	10.566	.24747	.10970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.48000			
Low Limit							.32000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1266**	**.50956**	**.20653**	**11.326**	**.21612**	**10.601**	**.10863**	**.21739**	F **299.60**	**.10717**
Stddev	.0004	.00053	.00030	.020	.00066	.006	.00007	.00047	.03	.00010
%RSD	.03424	.10340	.14542	.17988	.30512	.05268	.06190	.21653	.00900	.09607
#1	1.1263	.50919	.20632	11.312	.21566	10.605	.10868	.21773	299.62	.10710
#2	1.1268	.50993	.20675	11.341	.21659	10.598	.10859	.21706	299.58	.10724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									12.000	
Low Limit									8.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1953**	**1.1850**	**.00036**	**.10677**	**.65530**	F **2.0002**	**.42997**	**.21980**	**.21312**	**.22076**
Stddev	.0043	.0006	.00318	.00102	.00144	.0347	.00226	.00063	.00439	.00052
%RSD	.19398	.04954	887.40	.95503	.22047	1.7364	.52607	.28469	2.0593	.23330
#1	2.1983	1.1854	-.00189	.10750	.65428	2.0248	.43157	.21936	.21001	.22112
#2	2.1923	1.1846	.00260	.10605	.65632	1.9756	.42837	.22024	.21622	.22039
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.48000				
Low Limit						.32000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.42757**	F **.50660**	**.11779**	**.55987**	**.10971**
Stddev	.00040	.00474	.00006	.00087	.00410
%RSD	.09380	.93642	.04684	.15548	3.7345
#1	.42786	.50996	.11775	.56049	.10681
#2	.42729	.50325	.11783	.55926	.11261
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.48000			
Low Limit		.32000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3816.3**	**56339.**	**4311.3**
Stddev	4.0	73.	2.7
%RSD	.10405	.12902	.06372
#1	3819.1	56288.	4309.3
#2	3813.4	56390.	4313.2

Sample Name: 280-19436-a-2-b Acquired: 8/25/2011 23:22:55 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83038 DOD4 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**.01052**	**.00373**	**.02322**	**.09354**	**-.00007**	**.00283**	**116.37**	**.00036**	**.00025**
Stddev	.00003	.00003	.00292	.00023	.00010	.00001	.00110	.45	.00014	.00012
%RSD	10.529	.32485	78.350	.97774	.10502	14.703	38.970	.38466	38.553	48.203
#1	-.00030	.01050	.00166	.02306	.09347	-.00006	.00360	116.06	.00026	.00033
#2	-.00026	.01055	.00579	.02338	.09361	-.00008	.00205	116.69	.00046	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**.00866**	**.00968**	**1.8718**	**.00463**	**4.7644**	**.15035**	**.00149**	**286.25**	**.00058**
Stddev	.00066	.00015	.00481	.0315	.00132	.0094	.00016	.00047	.09	.00004
%RSD	69.751	1.7382	49.736	1.6837	28.471	.19754	.10436	31.871	.03130	7.4377
#1	.00048	.00877	.00627	1.8941	.00370	4.7578	.15024	.00115	286.32	.00055
#2	.00141	.00856	.01308	1.8495	.00556	4.7711	.15046	.00182	286.19	.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00800**	**-.00103**	**1.4818**	**-.00109**	**.00632**	**2.5769**	**.00004**	**.39174**	**-.00149**	**.00039**
Stddev	.00014	.00126	.0057	.00053	.00438	.0177	.00122	.00071	.00048	.00024
%RSD	1.7743	122.44	.38716	48.939	69.280	.68842	3117.7	.18130	32.254	60.574
#1	.00810	-.00014	1.4858	-.00071	.00322	2.5644	-.00082	.39124	-.00182	.00056
#2	.00790	-.00192	1.4777	-.00146	.00941	2.5895	.00090	.39224	-.00115	.00022
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00205**	**.02054**	**-.00186**	**.00574**	**.00475**
Stddev	.00104	.03658	.00031	.00058	.00030
%RSD	50.628	178.09	16.826	10.181	6.3252
#1	.00278	-.00533	-.00208	.00615	.00454
#2	.00131	.04641	-.00164	.00533	.00496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3807.8**	**55735.**	**4307.1**
Stddev	8.3	44.	42.7
%RSD	.21733	.07817	.99168
#1	3801.9	55766.	4337.4
#2	3813.7	55704.	4276.9

Sample Name: 280-19436-a-2-b SD@5 Acquired: 8/25/2011 23:25:34 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83038 DOD4 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00051**	**.00169**	**.00432**	**.01847**	**-.00005**	**.00111**	**23.627**	**.00002**	**.00007**
Stddev	.00011	.00102	.00138	.00036	.00048	.00009	.00273	.048	.00015	.00019
%RSD	26.481	199.57	81.700	8.4004	2.5909	175.27	245.85	.20174	667.18	263.02
#1	.00051	-.00021	.00071	.00458	.01813	-.00011	.00304	23.594	.00013	-.00006
#2	.00035	.00124	.00267	.00407	.01881	.00001	-.00082	23.661	-.00009	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00266**	**-.00213**	**.42008**	**.00304**	**1.0008**	**.03130**	**-.00032**	**58.306**	**.00012**
Stddev	.00023	.00041	.00129	.03169	.00206	.0024	.00007	.00006	.673	.00000
%RSD	357.85	15.366	60.652	7.5433	67.687	.23806	.23335	17.526	1.1540	.85090
#1	-.00010	.00294	-.00304	.44249	.00450	1.0025	.03135	-.00035	57.831	.00012
#2	.00023	.00237	-.00122	.39767	.00159	.99910	.03124	-.00028	58.782	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00137**	**.00089**	**.29396**	**-.00064**	**-.00193**	**.53377**	**-.00039**	**.07965**	**-.00147**	**-.00003**
Stddev	.00064	.00195	.00189	.00112	.00160	.01442	.00017	.00058	.00032	.00008
%RSD	46.818	219.94	.64270	175.20	82.691	2.7011	43.307	.72728	22.019	238.19
#1	-.00092	.00227	.29262	.00015	-.00080	.54396	-.00027	.07924	-.00170	-.00009
#2	-.00183	-.00049	.29529	-.00144	-.00306	.52357	-.00051	.08006	-.00124	.00002
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00110**	**.02351**	**-.00056**	**.00389**	**.00131**
Stddev	.00143	.00944	.00010	.00020	.00136
%RSD	129.71	40.161	17.807	5.2037	103.71
#1	.00009	.03018	-.00063	.00404	.00035
#2	.00211	.01683	-.00049	.00375	.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3948.3**	**59126.**	**4307.8**
Stddev	14.7	72.	8.8
%RSD	.37280	.12135	.20318
#1	3958.7	59075.	4314.0
#2	3937.9	59176.	4301.6

Sample Name: 280-19436-a-2-b PDS Acquired: 8/25/2011 23:28:14 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83038 DOD4 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03225**	**1.0145**	**.21803**	**.12090**	**.19832**	**.05111**	**-.00515**	**135.03**	**.05516**	**.05215**
Stddev	.00062	.0002	.00156	.00076	.00100	.00017	.00375	.23	.00009	.00025
%RSD	1.9357	.01771	.71441	.63022	.50477	.32312	72.930	.16682	.16856	.48486
#1	.03270	1.0144	.21913	.12036	.19761	.05100	-.00249	134.87	.05509	.05197
#2	.03181	1.0146	.21693	.12143	.19903	.05123	-.00780	135.18	.05522	.05233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05426**	**.06183**	**1.0109**	**23.426**	**.11383**	**24.916**	**.19971**	**.05045**	**302.25**	**.05303**
Stddev	.00006	.00030	.0049	.039	.00435	.026	.00009	.00000	.24	.00061
%RSD	.11566	.49236	.48447	.16751	3.8205	.10307	.04439	.00831	.07884	1.1469
#1	.05421	.06204	1.0075	23.398	.11691	24.934	.19978	.05045	302.08	.05260
#2	.05430	.06161	1.0144	23.454	.11076	24.898	.19965	.05044	302.41	.05346
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1638**	**.10351**	**1.4620**	**.09756**	**.21267**	**7.2551**	**.09771**	**.43960**	**.21104**	**.05206**
Stddev	.0044	.00030	.0005	.00062	.00202	.0471	.00079	.00115	.00108	.00026
%RSD	.20132	.29193	.03440	.63396	.94940	.64894	.80451	.26047	.51347	.50521
#1	2.1668	.10329	1.4617	.09800	.21410	7.2218	.09716	.43879	.21181	.05188
#2	2.1607	.10372	1.4624	.09713	.21124	7.2884	.09827	.44041	.21027	.05225
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.20369**	**.58348**	**.05334**	**.22447**	**.05608**
Stddev	.00115	.01384	.00013	.00035	.00166
%RSD	.56391	2.3726	.24477	.15472	2.9692
#1	.20287	.57369	.05324	.22471	.05490
#2	.20450	.59327	.05343	.22422	.05725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3782.9**	**55735.**	**4280.8**
Stddev	6.5	158.	7.6
%RSD	.17055	.28259	.17765
#1	3787.5	55624.	4286.2
#2	3778.4	55847.	4275.4

Sample Name: 280-19436-a-2-c ms Acquired: 8/25/2011 23:30:51 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83038 DOD4 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .20760	.29216	.74750	.19517	2.3695	.00682	.33906	126.85	.21683	.07135
Stddev	.00047	.00389	.00023	.00125	.0014	.00000	.00042	.17	.00009	.00036
%RSD	.22713	1.3325	.03021	.63953	.06023	.05613	.12328	.13088	.04252	.49907
#1	.20727	.28941	.74766	.19428	2.3705	.00682	.33877	126.96	.21690	.07110
#2	.20793	.29491	.74734	.19605	2.3685	.00682	.33936	126.73	.21677	.07160
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000									
Low Limit	-.01000									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.99100	.44162	.14464	9.2488	.14446	11.668	.22345	.18191	299.71	.07105
Stddev	.00240	.00038	.00142	.0322	.00149	.010	.00035	.00004	.53	.00056
%RSD	.24254	.08626	.98254	.34852	1.0298	.08877	.15683	.02320	.17605	.78336
#1	.98930	.44189	.14565	9.2260	.14340	11.675	.22320	.18188	299.34	.07065
#2	.99270	.44135	.14364	9.2716	.14551	11.661	.22370	.18194	300.08	.07144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.4759	1.0274	1.5258	.09145	.48786	4.3832	.35125	.54487	.13921	.18483
Stddev	.0012	.0026	.0032	.00138	.00506	.0143	.00045	.00029	.00093	.00064
%RSD	.07807	.25022	.21174	1.5108	1.0370	.32677	.12805	.05318	.67057	.34607
#1	1.4767	1.0256	1.5236	.09243	.49144	4.3934	.35157	.54467	.13855	.18437
#2	1.4751	1.0292	1.5281	.09047	.48428	4.3731	.35094	.54508	.13987	.18528
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.27897	.34131	.07728	.47028	.09172
Stddev	.00179	.01291	.00024	.00054	.00012
%RSD	.64082	3.7832	.30811	.11502	.13519
#1	.27770	.33218	.07711	.46990	.09180
#2	.28023	.35044	.07745	.47066	.09163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3806.6	56320.	4321.6
Stddev	11.3	90.	6.2
%RSD	.29673	.16022	.14262
#1	3814.5	56257.	4317.2
#2	3798.6	56384.	4325.9

Sample Name: 280-19436-a-2-d msd Acquired: 8/25/2011 23:33:25 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83038 DOD4 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .22336	.37622	.83748	.21646	2.5887	.00895	.43987	126.82	.23588	.09307
Stddev	.00053	.00063	.00035	.00082	.0023	.00006	.00243	.08	.00044	.00061
%RSD	.23613	.16688	.04217	.37980	.09025	.63838	.55347	.06664	.18729	.65972
#1	.22374	.37667	.83723	.21588	2.5904	.00899	.44159	126.88	.23556	.09264
#2	.22299	.37578	.83773	.21704	2.5871	.00891	.43815	126.76	.23619	.09350
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000									
Low Limit	-.01000									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0710	.47916	.18454	11.407	.19157	13.649	.24177	.20487	297.42	.09163
Stddev	.0037	.00063	.00733	.002	.00332	.003	.00034	.00029	.20	.00032
%RSD	.34613	.13160	3.9724	.01470	1.7344	.02556	.14021	.14090	.06863	.35068
#1	1.0684	.47961	.17936	11.406	.19392	13.651	.24153	.20507	297.56	.09186
#2	1.0736	.47872	.18972	11.408	.18922	13.646	.24201	.20467	297.27	.09141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.9321	1.1132	1.5055	.09893	.59747	4.5309	.39617	.58056	.18351	.20687
Stddev	.0173	.0006	.0039	.00086	.00057	.0093	.00026	.00076	.00062	.00021
%RSD	.89625	.05459	.25860	.86658	.09608	.20497	.06496	.13174	.33602	.10026
#1	1.9198	1.1128	1.5083	.09832	.59787	4.5243	.39598	.58110	.18307	.20672
#2	1.9443	1.1136	1.5028	.09954	.59706	4.5374	.39635	.58001	.18395	.20702
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.36267	.42113	.09919	.51850	.10309
Stddev	.00202	.02972	.00029	.00164	.00064
%RSD	.55749	7.0570	.28857	.31718	.61820
#1	.36124	.44214	.09940	.51733	.10354
#2	.36410	.40011	.09899	.51966	.10264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3788.0	56230.	4323.4
Stddev	8.6	114.	.2
%RSD	.22800	.20254	.00388
#1	3794.1	56311.	4323.5
#2	3781.9	56150.	4323.3

Sample Name: 280-19439-a-1-b Acquired: 8/25/2011 23:35:57 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83038 DOD4 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00044	.01381	.00190	.06278	.02013	.00002	.00144	2.0165	.00029	.00022
Stddev	.00120	.00137	.00155	.00021	.00007	.00007	.00067	.0092	.00004	.00030
%RSD	271.13	9.8873	81.823	.33015	.34301	398.89	46.418	.45678	12.577	134.86
#1	.00041	.01477	.00299	.06293	.02018	-.00003	.00097	2.0230	.00026	.00043
#2	-.00129	.01284	.00080	.06264	.02008	.00007	.00191	2.0100	.00031	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00077	.00824	.06380	1.1289	.00720	.23274	.11645	.00088	282.31	.00145
Stddev	.00051	.00066	.00281	.0174	.00027	.00043	.00000	.00005	.12	.00006
%RSD	66.786	7.9561	4.4006	1.5426	3.8072	.18605	.00079	5.5370	.04223	4.0927
#1	.00040	.00777	.06182	1.1413	.00739	.23305	.11645	.00085	282.40	.00150
#2	.00113	.00870	.06579	1.1166	.00701	.23243	.11645	.00092	282.23	.00141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05080	-.00074	.92393	-.00124	.00638	.47723	-.00108	.01901	-.00299	.00026
Stddev	.00156	.00115	.00404	.00183	.00181	.00490	.00021	.00009	.00055	.00005
%RSD	3.0710	156.55	.43744	148.34	28.325	1.0274	19.132	.49752	18.413	19.974
#1	.05191	-.00155	.92107	.00006	.00510	.48069	-.00093	.01908	-.00338	.00022
#2	.04970	.00008	.92679	-.00253	.00766	.47376	-.00123	.01894	-.00260	.00029
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00121	.04676	-.00261	.00766	.00196
Stddev	.00057	.01785	.00053	.00018	.00113
%RSD	47.113	38.171	20.161	2.3259	57.789
#1	.00080	.03414	-.00298	.00754	.00116
#2	.00161	.05939	-.00224	.00779	.00276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3821.0	56393.	4349.3
Stddev	8.1	103.	17.9
%RSD	.21078	.18250	.41230
#1	3815.3	56321.	4336.6
#2	3826.7	56466.	4362.0

Sample Name: CCVH-940568 Acquired: 8/25/2011 23:38:36 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02079**	**50.642**	**-.00520**	**.00020**	**-.00067**	**-.00005**	**1.0664**	**.03627**	**-.00105**	**.00208**	**.00002**	**-.00019**	**51.882**
Stddev	.00087	.045	.00089	.00018	.00006	.00003	.0004	.00229	.00027	.00023	.00011	.00032	.251
%RSD	4.1923	.08914	17.193	86.848	8.6793	56.645	.03616	6.3083	25.525	11.114	572.65	175.22	.48405
#1	-.02018	50.674	-.00583	.00008	-.00072	-.00003	1.0662	.03789	-.00123	.00225	-.00006	.00004	51.705
#2	-.02141	50.611	-.00457	.00033	-.00063	-.00007	1.0667	.03465	-.00086	.00192	.00010	-.00041	52.060
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25558**	**.00429**	**-.10666**	**.00241**	**-.00248**	**266.42**	**.00168**	**.00350**	**-.00196**	**5.1359**	**-.01192**	**.01209**	**-.00084**
Stddev	.08510	.00048	.00240	.00000	.00013	.44	.00056	.00222	.00152	.0138	.00071	.00224	.00409
%RSD	33.295	11.226	2.2506	.08600	5.0533	.16539	33.384	63.346	77.249	.26941	5.9300	18.534	485.18
#1	.19541	.00463	-.10497	.00241	-.00257	266.11	.00129	.00507	-.00089	5.1261	-.01142	.01051	.00205
#2	.31575	.00395	-.10836	.00241	-.00239	266.73	.00208	.00193	-.00303	5.1457	-.01242	.01367	-.00374
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00131**	**.00046**	**5.1508**	**.00035**	**.00395**	**10.725**	**-.00894**	**.00721**	**.00958**
Stddev	.00006	.00022	.0013	.00027	.00133	.034	.00007	.00061	.00241
%RSD	4.7159	47.303	.02423	78.387	33.796	.32117	.83824	8.4309	25.166
#1	.00127	.00062	5.1516	.00015	.00300	10.750	-.00888	.00678	.01129
#2	.00135	.00031	5.1499	.00054	.00489	10.701	-.00899	.00764	.00788
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3837.3**	**56750.**	**4296.8**
Stddev	15.4	217.	6.4
%RSD	.40231	.38157	.14805
#1	3826.3	56597.	4301.3
#2	3848.2	56903.	4292.3

Sample Name: CCV-940591 Acquired: 8/25/2011 23:41:08 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52871**	**.53617**	**1.0238**	**.49953**	**.52039**	**.49391**	**.00318**	**5.0055**	**.51559**	**.51760**	**.51575**	**.52039**	**2.4676**
Stddev	.00061	.00263	.0002	.00020	.00003	.00091	.00050	.0161	.00051	.00084	.00189	.00012	.0037
%RSD	.11463	.49111	.01951	.04032	.00663	.18407	15.792	.32099	.09846	.16147	.36552	.02346	.14905
#1	.52914	.53431	1.0239	.49967	.52041	.49455	.00354	4.9942	.51595	.51701	.51442	.52031	2.4702
#2	.52828	.53804	1.0236	.49939	.52037	.49326	.00283	5.0169	.51523	.51819	.51708	.52048	2.4650
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.635**	**.99761**	**20.628**	**.51365**	**.51577**	**5.3412**	**.51352**	**.99605**	**1.0344**	**-.00294**	**1.0093**	**1.0167**	**4.7831**
Stddev	.001	.00178	.009	.00022	.00038	.0197	.00103	.00767	.0002	.00143	.0008	.0034	.0001
%RSD	.00211	.17818	.04556	.04333	.07406	.36824	.19977	.76981	.01689	48.722	.08261	.32943	.00176
#1	50.636	.99887	20.635	.51381	.51604	5.3551	.51280	.99063	1.0343	-.00396	1.0087	1.0191	4.7832
#2	50.635	.99636	20.622	.51349	.51550	5.3273	.51425	1.0015	1.0346	-.00193	1.0099	1.0144	4.7831
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0293**	**.51668**	**-.00065**	**.51124**	**1.0526**	**.04294**	**.51910**	**.51570**	**.50147**
Stddev	.0002	.00028	.00092	.00015	.0027	.00307	.00084	.00139	.00214
%RSD	.01691	.05370	140.46	.02937	.25588	7.1550	.16163	.27014	.42595
#1	1.0292	.51688	-.00130	.51135	1.0507	.04077	.51970	.51668	.50298
#2	1.0295	.51648	.00000	.51113	1.0545	.04512	.51851	.51471	.49996
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3938.9**	**58964.**	**4266.3**
Stddev	7.0	84.	24.2
%RSD	.17766	.14221	.56794
#1	3943.8	59023.	4283.4
#2	3933.9	58904.	4249.2

Sample Name: CCB Acquired: 8/25/2011 23:43:32 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00096**	**-.00003**	**.00035**	**-.00046**	**.00013**	**-.00131**	**-.00136**	**.00008**	**-.00001**	**-.00020**
Stddev	.00040	.00055	.00149	.00049	.00016	.00000	.00031	.00136	.00014	.00023	.00003
%RSD	241.49	57.566	5725.9	140.00	33.858	3.5365	23.434	100.42	176.10	2905.6	15.695
#1	.00045	.00057	-.00108	.00000	-.00035	.00013	-.00152	-.00039	.00018	.00015	-.00018
#2	-.00012	.00135	.00103	.00069	-.00058	.00014	-.00109	-.00232	-.00002	-.00017	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**-.00173**	**.07075**	W **.00446**	**.00083**	**-.00005**	**.00236**	F **.11614**	**.00000**	**-.00121**	**-.00143**
Stddev	.00011	.00224	.02622	.00413	.00329	.00002	.00040	.03090	.00007	.00130	.00178
%RSD	28.258	129.53	37.057	92.542	395.34	49.058	16.879	26.608	4658.4	108.01	123.99
#1	.00030	-.00331	.08929	.00154	.00316	-.00003	.00208	.09429	-.00005	-.00028	-.00269
#2	.00045	-.00015	.05221	.00738	-.00150	-.00006	.00264	.13800	.00005	-.00213	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.10000			
Low Limit				-.00261				-.10000			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00299**	F **.01241**	**.00413**	**-.01183**	**-.00002**	**.00016**	**-.00100**	**.00032**	**.00236**	**.03628**	**.00018**
Stddev	.00042	.00201	.00041	.00440	.00190	.00019	.00138	.00067	.00034	.00782	.00061
%RSD	14.109	16.218	9.9467	37.204	8256.8	122.94	138.19	205.67	14.355	21.564	339.55
#1	-.00329	.01099	.00442	-.00872	-.00137	.00002	-.00197	-.00015	.00260	.04181	.00061
#2	-.00269	.01384	.00384	-.01494	.00132	.00030	-.00002	.00080	.00212	.03075	-.00025
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00127**	**.00163**
Stddev	.00016	.00018
%RSD	12.832	11.285
#1	.00116	.00176
#2	.00139	.00150
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4010.1**	**61107.**	**4288.0**
Stddev	3.7	126.	21.3
%RSD	.09229	.20620	.49706
#1	4012.8	61196.	4273.0
#2	4007.5	61018.	4303.1

Sample Name: CCVL942742 Acquired: 8/25/2011 23:46:08 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01113**	**.10946**	**.01531**	**.10130**	**.01024**	**.00100**	F **.13315**	**.20315**	**.00559**	**.01081**	**.01055**
Stddev	.00077	.00003	.00145	.00001	.00001	.00002	.00289	.00459	.00025	.00003	.00011
%RSD	6.9238	.02546	9.4661	.01016	.13171	2.0694	2.1734	2.2602	4.5256	.25850	1.0173
#1	.01059	.10948	.01429	.10129	.01025	.00102	.13110	.19990	.00577	.01079	.01063
#2	.01168	.10944	.01633	.10130	.01023	.00099	.13519	.20639	.00541	.01083	.01048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01722**	**.09590**	**3.1203**	W **.01207**	**.21615**	**.01065**	**.02001**	**1.1407**	**.04247**	**2.9200**	**.00825**
Stddev	.00011	.00177	.0056	.00555	.00159	.00005	.00033	.0132	.00055	.0076	.00090
%RSD	.66676	1.8485	.18123	45.996	.73438	.50086	1.6652	1.1542	1.2918	.26088	10.973
#1	.01730	.09465	3.1243	.00815	.21727	.01069	.01978	1.1314	.04286	2.9254	.00761
#2	.01714	.09716	3.1163	.01600	.21503	.01061	.02025	1.1500	.04209	2.9146	.00889
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00386**	F **.01312**	**.01293**	**.45540**	**.10277**	**.01062**	**.01357**	**.01023**	W **.01821**	F **.09507**	**.00978**
Stddev	.00159	.00120	.00089	.01094	.00149	.00012	.00182	.00024	.00152	.03839	.00024
%RSD	41.307	9.1067	6.8889	2.4032	1.4450	1.0871	13.427	2.3643	8.3497	40.378	2.4125
#1	.00498	.01228	.01356	.46314	.10382	.01070	.01228	.01040	.01713	.12221	.00962
#2	.00273	.01397	.01230	.44766	.10172	.01054	.01486	.01006	.01928	.06792	.00995
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass
Value		.01000							.01500	.06000	
Range		30.000%							20.000%	30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02273**	F **.02044**
Stddev	.00010	.00206
%RSD	.42113	10.091
#1	.02266	.01898
#2	.02280	.02189
Check ?	Chk Pass	Chk Fail
Value		.01500
Range		30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4029.4**	**60929.**	**4328.0**
Stddev	.6	4.	4.6
%RSD	.01485	.00618	.10545
#1	4029.8	60926.	4331.3
#2	4029.0	60932.	4324.8

Sample Name: lb 280-82708/1-c Acquired: 8/25/2011 23:48:42 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82948 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00066	.00180	.00184	W .00728	.00181	-.00005	.00141	F .41338	.00014	.00008
Stddev	.00077	.00196	.00107	.00131	.00017	.00003	.00098	.00253	.00012	.00026
%RSD	116.82	108.56	57.911	17.964	9.2308	56.874	69.659	.61322	82.558	347.83
#1	-.00011	.00318	.00109	.00636	.00193	-.00003	.00072	.41159	.00006	-.00011
#2	-.00120	.00042	.00260	.00821	.00169	-.00006	.00210	.41517	.00023	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				.00500				.20000		
Low Limit				-.00500				-.20000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00018	W .00587	-.00049	.22210	.00317	.01604	.00010	.00004	261.25	.00010
Stddev	.00014	.00002	.00040	.02842	.00104	.00291	.00004	.00027	.63	.00026
%RSD	78.423	.27632	81.292	12.796	32.797	18.162	43.394	620.10	.24240	263.63
#1	.00028	.00585	-.00077	.20201	.00391	.01398	.00007	.00024	260.81	.00028
#2	.00008	.00588	-.00021	.24220	.00244	.01810	.00013	-.00015	261.70	-.00008
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit		.00500								
Low Limit		-.00500								

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00139	-.00143	.01302	.00239	.00222	.00867	-.00071	.00055	-.00167	.00042
Stddev	.00186	.00091	.00251	.00074	.00275	.00443	.00049	.00004	.00035	.00023
%RSD	133.33	63.232	19.256	31.063	123.57	51.050	69.390	6.6359	20.678	55.042
#1	-.00008	-.00079	.01479	.00187	.00416	.00554	-.00036	.00058	-.00192	.00059
#2	-.00271	-.00207	.01125	.00292	.00028	.01180	-.00106	.00053	-.00143	.00026
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00188	F .06420	.00028	W .00828	.00292
Stddev	.00014	.00716	.00018	.00011	.00440
%RSD	7.2638	11.152	64.648	1.3696	150.86
#1	.00178	.06926	.00041	.00836	-.00019
#2	.00198	.05914	.00015	.00820	.00603
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass
High Limit		.06000		.00500	
Low Limit		-.06000		-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3832.8	57024.	4344.8
Stddev	1.1	33.	12.3
%RSD	.02787	.05837	.28257
#1	3832.0	57048.	4353.4
#2	3833.5	57001.	4336.1

Sample Name: lcs 280-82708/2-c Acquired: 8/25/2011 23:51:20 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82948 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23105**	**.41882**	**.87427**	**.20965**	**2.6410**	**.01022**	F **.49539**	**10.647**	**.24392**	**.10665**
Stddev	.00075	.00339	.00213	.00049	.0009	.00003	.00179	.014	.00055	.00015
%RSD	.32407	.80915	.24332	.23302	.03323	.30571	.36054	.13362	.22367	.14296
#1	.23158	.42121	.87277	.20999	2.6416	.01020	.49665	10.657	.24430	.10676
#2	.23052	.41642	.87578	.20930	2.6403	.01024	.49413	10.637	.24353	.10654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.48000			
Low Limit							.32000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1099**	**.49718**	**.20770**	**11.074**	**.21228**	**10.345**	**.10638**	**.21561**	F **271.89**	**.10486**
Stddev	.0004	.00086	.00243	.002	.00407	.003	.00002	.00007	.33	.00050
%RSD	.03526	.17377	1.1699	.02110	1.9166	.02873	.02291	.03337	.12144	.47391
#1	1.1096	.49779	.20598	11.073	.21516	10.347	.10640	.21556	272.12	.10521
#2	1.1102	.49657	.20942	11.076	.20940	10.343	.10636	.21566	271.65	.10450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									12.000	
Low Limit									8.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1371**	**1.1708**	**.01624**	**.10684**	**.64086**	F **1.9844**	**.42210**	**.21552**	**.20699**	**.21795**
Stddev	.0107	.0027	.00584	.00033	.00001	.0301	.00054	.00007	.00112	.00088
%RSD	.49959	.22728	35.954	.30849	.00146	1.5188	.12693	.03424	.54069	.40216
#1	2.1296	1.1727	.02037	.10707	.64087	2.0058	.42248	.21557	.20779	.21857
#2	2.1446	1.1690	.01211	.10661	.64085	1.9631	.42172	.21546	.20620	.21733
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.48000				
Low Limit						.32000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.41805**	F **.50031**	**.11455**	**.55675**	**.10630**
Stddev	.00010	.00183	.00001	.00198	.00287
%RSD	.02360	.36501	.00505	.35586	2.6976
#1	.41798	.49902	.11454	.55535	.10427
#2	.41812	.50161	.11455	.55815	.10833
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.48000			
Low Limit		.32000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3831.1**	**56627.**	**4311.6**
Stddev	12.8	107.	11.9
%RSD	.33421	.18893	.27598
#1	3840.2	56703.	4320.0
#2	3822.1	56552.	4303.2

Sample Name: 280-19410-b-9-e Acquired: 8/25/2011 23:53:47 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82948 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.06585**	**.00467**	**.02658**	**.09419**	**-.00001**	**.00079**	**25.348**	**.00017**	**.00102**
Stddev	.00015	.00227	.00273	.00003	.00000	.00005	.00112	.059	.00007	.00051
%RSD	84.640	3.4410	58.340	.11639	.00283	393.36	142.70	.23336	44.689	49.356
#1	-.00028	.06745	.00275	.02660	.09419	-.00005	-.00001	25.306	.00022	.00067
#2	-.00007	.06425	.00660	.02656	.09420	.00002	.00158	25.390	.00011	.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00100**	**.01511**	**.04054**	**1.6717**	**.00140**	**1.6828**	**.09451**	**.00099**	**327.08**	**.00138**
Stddev	.00066	.00031	.00112	.0267	.00417	.0040	.00036	.00006	.14	.00033
%RSD	66.378	2.0663	2.7549	1.5981	298.23	.23629	.38156	6.3752	.04318	23.650
#1	.00053	.01489	.03975	1.6906	.00435	1.6800	.09426	.00094	326.98	.00115
#2	.00147	.01533	.04133	1.6528	-.00155	1.6856	.09477	.00103	327.18	.00160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03630**	**.00057**	**.11883**	**-.00154**	**.00567**	**.55378**	**-.00081**	**.08620**	**-.00136**	**.00228**
Stddev	.00180	.00203	.00181	.00096	.00523	.00576	.00106	.00022	.00028	.00058
%RSD	4.9477	354.89	1.5227	62.224	92.111	1.0396	130.26	.25451	20.539	25.296
#1	.03503	-.00086	.12010	-.00086	.00198	.54970	-.00157	.08604	-.00117	.00187
#2	.03757	.00201	.11755	-.00222	.00937	.55785	-.00006	.08635	-.00156	.00269
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.02076**	**-.00188**	**.00503**	**.00364**
Stddev	.00004	.00627	.00005	.00004	.00174
%RSD	36.525	30.179	2.6536	.78060	47.821
#1	.00013	.02519	-.00191	.00505	.00241
#2	.00008	.01633	-.00184	.00500	.00487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3813.0**	**56534.**	**4264.6**
Stddev	2.0	60.	8.2
%RSD	.05309	.10676	.19201
#1	3814.4	56491.	4258.8
#2	3811.6	56576.	4270.4

Sample Name: 280-19410-b-10-c Acquired: 8/25/2011 23:56:29 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82948 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.07299**	**.00362**	**.00972**	**.07320**	**.00010**	**.00172**	**50.899**	**.00030**	**.00440**
Stddev	.00001	.00089	.00149	.00003	.00021	.00006	.00029	.089	.00028	.00010
%RSD	8.7701	1.2230	41.113	.28139	.28340	56.062	16.875	.17436	93.938	2.2634
#1	-.00016	.07236	.00257	.00974	.07335	.00006	.00193	50.962	.00010	.00432
#2	-.00014	.07362	.00467	.00970	.07306	.00014	.00152	50.836	.00049	.00447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.01103**	**.05727**	**2.0180**	**.00513**	**1.3282**	**.28224**	**-.00010**	**317.50**	**.00354**
Stddev	.00029	.00034	.00431	.0383	.00141	.0031	.00004	.00042	.59	.00032
%RSD	54.114	3.0388	7.5340	1.8961	27.538	.23523	.01481	415.74	.18514	8.9034
#1	.00073	.01127	.06032	2.0451	.00413	1.3304	.28227	-.00040	317.91	.00376
#2	.00033	.01079	.05422	1.9910	.00613	1.3260	.28222	.00020	317.08	.00332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00109**	**-.00071**	**.41517**	**-.00040**	**.00232**	**.94023**	**-.00023**	**.12345**	**-.00338**	**.00050**
Stddev	.00022	.00006	.00802	.00008	.00510	.01006	.00012	.00015	.00131	.00003
%RSD	20.291	9.0456	1.9319	19.986	219.92	1.0703	54.564	.12470	38.770	5.4147
#1	.00093	-.00066	.40950	-.00035	.00593	.93312	-.00014	.12356	-.00430	.00052
#2	.00125	-.00076	.42085	-.00046	-.00129	.94735	-.00032	.12334	-.00245	.00048
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.03883**	**-.00717**	**.01488**	**.00309**
Stddev	.00153	.00757	.00032	.00040	.00160
%RSD	967.59	19.495	4.4881	2.6725	51.638
#1	-.00092	.04418	-.00694	.01516	.00422
#2	.00124	.03348	-.00740	.01460	.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3789.5**	**55969.**	**4303.6**
Stddev	7.5	79.	25.4
%RSD	.19670	.14146	.58932
#1	3794.8	56025.	4285.7
#2	3784.2	55913.	4321.5

Sample Name: 280-19410-a-11-e Acquired: 8/25/2011 23:59:11 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82948 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.08972**	**-.00189**	**.01173**	**.07371**	**-.00001**	**.00150**	**9.9898**	**.00018**	**.00065**
Stddev	.00027	.00068	.00343	.00082	.00054	.00007	.00355	.0446	.00008	.00042
%RSD	89.322	.75396	181.34	6.9514	.73673	796.57	236.76	.44668	43.871	64.388
#1	.00011	.09019	.00053	.01230	.07332	-.00006	.00401	9.9583	.00024	.00094
#2	.00050	.08924	-.00432	.01115	.07409	.00004	-.00101	10.021	.00013	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.02520**	**.07077**	**1.8035**	**.00273**	**1.4166**	**.04326**	**-.00033**	**298.06**	**.00104**
Stddev	.00003	.00040	.00077	.0095	.00230	.0001	.00007	.00012	.21	.00041
%RSD	5.9332	1.5717	1.0877	.52646	84.166	.00448	.15659	35.897	.06968	39.298
#1	.00048	.02548	.07131	1.7968	.00111	1.4166	.04331	-.00025	298.21	.00075
#2	.00044	.02492	.07023	1.8103	.00436	1.4165	.04321	-.00042	297.91	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01949**	**-.00032**	**.08367**	**-.00288**	**-.00164**	**.70830**	**-.00044**	**.04285**	**-.00314**	**.00387**
Stddev	.00051	.00059	.00115	.00021	.00432	.02359	.00157	.00007	.00012	.00001
%RSD	2.5938	182.29	1.3743	7.1631	264.19	3.3306	353.04	.15597	3.9680	.16538
#1	.01985	-.00074	.08448	-.00303	-.00470	.69161	-.00155	.04290	-.00305	.00387
#2	.01913	.00009	.08286	-.00273	.00142	.72498	.00066	.04280	-.00323	.00387
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.05009**	**-.00026**	**.00405**	**.00174**
Stddev	.00006	.07347	.00049	.00036	.00104
%RSD	24.563	146.66	190.04	8.8285	60.111
#1	-.00029	-.00186	-.00061	.00430	.00100
#2	-.00021	.10204	.00009	.00379	.00247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3825.6**	**56845.**	**4298.6**
Stddev	5.7	27.	.6
%RSD	.14850	.04820	.01455
#1	3829.6	56865.	4299.1
#2	3821.5	56826.	4298.2

Sample Name: 280-19410-a-11-e SD@ Acquired: 8/26/2011 0:01:52 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82948 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.01825**	**-.00041**	**.00247**	**.01501**	**.00003**	**-.00060**	**2.0469**	**.00021**	**.00024**
Stddev	.00080	.00009	.00481	.00066	.00080	.00002	.00195	.0068	.00003	.00018
%RSD	229.95	.49617	1161.0	26.702	5.3376	60.437	327.34	.33370	13.820	75.794
#1	-.00091	.01819	-.00381	.00294	.01444	.00002	.00078	2.0421	.00024	.00036
#2	.00022	.01831	.00298	.00200	.01557	.00005	-.00197	2.0518	.00019	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00585**	**.01296**	**.45456**	**.00125**	**.29935**	**.00897**	**-.00049**	**60.517**	**-.00012**
Stddev	.0004	.00053	.00287	.04075	.00029	.00138	.00001	.00009	.011	.00036
%RSD	7915.7	9.0620	22.148	8.9652	23.254	.46228	.16124	18.626	.01870	309.57
#1	.00025	.00548	.01499	.48338	.00145	.30033	.00896	-.00043	60.525	.00014
#2	-.00026	.00623	.01093	.42575	.00104	.29837	.00898	-.00056	60.509	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00390**	**-.00086**	**.01282**	**-.00159**	**-.00163**	**.14857**	**-.00045**	**.00872**	**-.00275**	**.00082**
Stddev	.00363	.00031	.00697	.00150	.00431	.04535	.00064	.00000	.00197	.00005
%RSD	92.948	35.849	54.369	94.722	264.65	30.524	140.69	.03260	71.474	5.5380
#1	.00647	-.00064	.01775	-.00052	-.00468	.11650	-.00091	.00872	-.00136	.00085
#2	.00134	-.00108	.00789	-.00265	.00142	.18063	.00000	.00872	-.00414	.00079
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00154**	**.02239**	**.00020**	**.00355**	**.00205**
Stddev	.00179	.01286	.00001	.00087	.00348
%RSD	116.31	57.431	5.3273	24.462	169.38
#1	.00280	.01330	.00019	.00294	.00452
#2	.00027	.03148	.00021	.00417	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3951.9**	**59267.**	**4310.0**
Stddev	10.4	67.	2.4
%RSD	.26366	.11337	.05477
#1	3959.2	59314.	4311.6
#2	3944.5	59219.	4308.3

Sample Name: 280-19410-a-11-f ms Acquired: 8/26/2011 0:04:28 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82948 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .14244	.43541	.57502	.16341	1.7305	.00833	.40615	17.879	.15123	.08797
Stddev	.00157	.00522	.00022	.00175	.0009	.00009	.00157	.016	.00060	.00038
%RSD	1.1047	1.1987	.03837	1.0738	.05138	1.0513	.38632	.09056	.39922	.43535
#1	.14355	.43910	.57517	.16217	1.7312	.00826	.40504	17.891	.15081	.08824
#2	.14133	.43172	.57486	.16465	1.7299	.00839	.40726	17.868	.15166	.08770
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000									
Low Limit	-.01000									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.67766	.33073	.24190	10.550	.17102	9.8021	.12872	.16015	298.39	.08626
Stddev	.00146	.00133	.00152	.005	.00054	.0346	.00032	.00084	.81	.00006
%RSD	.21540	.40163	.63030	.05068	.31713	.35288	.24815	.52672	.27245	.06631
#1	.67869	.33167	.24082	10.554	.17064	9.8266	.12895	.16074	297.82	.08622
#2	.67662	.32979	.24298	10.546	.17140	9.7777	.12850	.15955	298.96	.08630
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.7870	.71860	.07529	.07816	.48565	2.1544	.31624	.21620	.16923	.16667
Stddev	.0070	.00131	.00021	.00023	.00225	.0007	.00059	.00051	.00181	.00043
%RSD	.39423	.18214	.28037	.28931	.46366	.03192	.18803	.23570	1.0672	.26092
#1	1.7821	.71768	.07544	.07832	.48725	2.1549	.31582	.21584	.16795	.16698
#2	1.7920	.71953	.07514	.07800	.48406	2.1539	.31666	.21656	.17051	.16636
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.34338	.37872	.09294	.35527	.08261
Stddev	.00087	.02663	.00096	.00077	.00219
%RSD	.25335	7.0323	1.0352	.21743	2.6550
#1	.34277	.39755	.09362	.35581	.08416
#2	.34400	.35989	.09226	.35472	.08106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3797.5	56102.	4340.9
Stddev	7.2	256.	1.5
%RSD	.18998	.45707	.03385
#1	3802.6	55920.	4339.9
#2	3792.4	56283.	4341.9

Sample Name: 280-19410-a-11-g du Acquired: 8/26/2011 0:07:01 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82948 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.08475**	**.00234**	**.01130**	**.07142**	**.00005**	**-.00089**	**9.5527**	**.00012**	**.00073**
Stddev	.00032	.00085	.00234	.00035	.00000	.00003	.00157	.0098	.00003	.00016
%RSD	87.015	1.0082	99.906	3.1065	.00554	61.402	176.24	.10256	21.641	22.050
#1	-.00014	.08414	.00399	.01105	.07142	.00007	-.00200	9.5457	.00010	.00061
#2	-.00060	.08535	.00069	.01155	.07142	.00003	.00022	9.5596	.00014	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.02421**	**.08674**	**1.7402**	**.00488**	**1.3615**	**.04441**	**.00072**	**286.65**	**.00117**
Stddev	.00041	.00003	.00105	.0262	.00543	.0037	.00005	.00025	.71	.00008
%RSD	90.452	.11694	1.2057	1.5080	111.30	.27114	.12278	34.531	.24887	6.7076
#1	.00016	.02423	.08600	1.7216	.00872	1.3642	.04445	.00054	286.15	.00112
#2	.00075	.02419	.08748	1.7588	.00104	1.3589	.04437	.00090	287.16	.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02000**	**-.00039**	**.08362**	**-.00075**	**.00305**	**.68549**	**.00020**	**.04134**	**-.00048**	**.00384**
Stddev	.00389	.00160	.00248	.00217	.00409	.01521	.00086	.00028	.00150	.00004
%RSD	19.425	412.60	2.9664	287.85	133.96	2.2183	439.28	.68143	312.24	.91445
#1	.02275	-.00152	.08186	-.00229	.00016	.69624	-.00041	.04114	.00058	.00382
#2	.01726	.00074	.08537	.00078	.00594	.67473	.00081	.04153	-.00154	.00387
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.03179**	**-.00059**	**.00425**	**.00366**
Stddev	.00039	.02187	.00091	.00018	.00110
%RSD	81.457	68.781	155.20	4.1866	30.136
#1	.00076	.01633	-.00123	.00412	.00444
#2	.00021	.04725	.00006	.00438	.00288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3851.2**	**56722.**	**4316.1**
Stddev	1.1	64.	2.6
%RSD	.02878	.11310	.06024
#1	3850.5	56767.	4318.0
#2	3852.0	56676.	4314.3

Sample Name: CCVH-940568 Acquired: 8/26/2011 0:09:40 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02073**	**50.270**	**-.00530**	**.00032**	**-.00051**	**-.00019**	**1.0521**	**.01205**	**-.00119**	**.00194**	**.00029**	**-.00151**	**51.112**
Stddev	.00018	.045	.00086	.00027	.00009	.00012	.0006	.00288	.00005	.00030	.00020	.00027	.042
%RSD	.88578	.08870	16.139	86.944	18.111	63.856	.06196	23.914	3.9976	15.405	67.634	17.887	.08305
#1	-.02060	50.302	-.00591	.00012	-.00057	-.00010	1.0526	.01409	-.00122	.00215	.00015	-.00170	51.142
#2	-.02086	50.239	-.00470	.00051	-.00044	-.00027	1.0516	.01001	-.00116	.00173	.00043	-.00132	51.082
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22477**	**.00394**	**-.10947**	**-.00019**	**-.00229**	**265.36**	**.00121**	**.00185**	**-.00179**	**5.0861**	**-.01138**	**.01112**	**.01747**
Stddev	.03304	.00117	.00072	.00000	.00066	.48	.00003	.00197	.00016	.0183	.00211	.00174	.03130
%RSD	14.700	29.757	.66049	.49907	28.917	.18183	2.2892	106.15	9.1372	.36008	18.545	15.631	179.21
#1	.24814	.00477	-.10999	-.00019	-.00276	265.70	.00123	.00046	-.00167	5.0991	-.00989	.01235	.03960
#2	.20141	.00311	-.10896	-.00019	-.00182	265.02	.00119	.00325	-.00190	5.0732	-.01287	.00989	-.00467
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00136**	**.00047**	**5.0862**	**.00086**	**.00445**	**10.619**	**-.00914**	**.00260**	**.01265**
Stddev	.00112	.00003	.0076	.00005	.00214	.019	.00016	.00009	.00208
%RSD	82.134	7.0742	.14891	5.4849	48.138	.18329	1.7484	3.3398	16.415
#1	.00057	.00044	5.0915	.00090	.00597	10.632	-.00902	.00266	.01118
#2	.00216	.00049	5.0808	.00083	.00294	10.605	-.00925	.00254	.01412
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3858.5**	**57402.**	**4290.5**
Stddev	20.4	55.	14.4
%RSD	.52777	.09518	.33615
#1	3872.9	57363.	4280.3
#2	3844.1	57441.	4300.7

Sample Name: CCV-940591 Acquired: 8/26/2011 0:12:12 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53253**	**.53674**	**1.0288**	**.50021**	**.52161**	**.49302**	**.00393**	**4.9974**	**.51711**	**.51758**	**.51682**	**.52204**	**2.4613**	**50.698**
Stddev	.00019	.00320	.0032	.00103	.00040	.00001	.00203	.0231	.00065	.00084	.00056	.00045	.0077	.024
%RSD	.03597	.59529	.30828	.20676	.07730	.00290	51.571	.46171	.12489	.16266	.10816	.08692	.31413	.04729
#1	.53267	.53449	1.0310	.50094	.52190	.49303	.00250	5.0137	.51757	.51699	.51722	.52236	2.4668	50.682
#2	.53240	.53900	1.0266	.49948	.52133	.49301	.00536	4.9811	.51666	.51818	.51643	.52172	2.4558	50.715
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0039**	**20.728**	**.51633**	**.51630**	**5.3963**	**.51329**	**.99866**	**1.0321**	**.00102**	**1.0082**	**1.0277**	**4.7619**	**1.0319**	**.51881**
Stddev	.0027	.013	.00002	.00130	.0135	.00055	.00462	.0002	.00138	.0004	.0004	.0120	.0004	.00010
%RSD	.26592	.06439	.00298	.25124	.24949	.10654	.46248	.02068	135.48	.04214	.04198	.25179	.04337	.01932
#1	1.0020	20.738	.51631	.51722	5.4058	.51291	1.0019	1.0319	.00004	1.0079	1.0280	4.7534	1.0322	.51888
#2	1.0058	20.719	.51634	.51539	5.3867	.51368	.99540	1.0322	.00200	1.0085	1.0274	4.7704	1.0316	.51874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.51196**	**1.0543**	**.01242**	**.52336**	**.52101**	**.50068**
Stddev	.00173	.00034	.0002	.00291	.00057	.00035	.00061
%RSD	379.20	.06708	.02129	23.406	.10898	.06657	.12136
#1	.00168	.51220	1.0545	.01447	.52376	.52076	.50111
#2	-.00077	.51171	1.0542	.01036	.52295	.52125	.50025
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3930.6**	**58362.**	**4280.8**
Stddev	.0	45.	6.3
%RSD	.00001	.07625	.14662
#1	3930.6	58330.	4285.2
#2	3930.6	58393.	4276.4

Sample Name: CCB Acquired: 8/26/2011 0:14:37 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**-.00027**	**.00237**	**-.00026**	W **-.00070**	**-.00009**	**.00058**	**-.00235**	**.00020**	**.00021**
Stddev	.00014	.00038	.00033	.00004	.00005	.00008	.00115	.00165	.00000	.00007
%RSD	45.934	143.14	14.104	13.660	6.9334	93.453	197.70	70.188	2.2844	30.481
#1	-.00042	.00000	.00261	-.00028	-.00074	-.00003	-.00023	-.00118	.00020	.00017
#2	-.00021	-.00054	.00214	-.00023	-.00067	-.00014	.00140	-.00351	.00021	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit					.00058					
Low Limit					-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00094**	**-.00121**	**.12186**	F **.00576**	**.00171**	**-.00004**	**.00281**	F **.12581**	**-.00016**
Stddev	.00019	.00002	.00083	.04619	.00155	.00228	.00003	.00084	.01199	.00014
%RSD	497.71	2.6440	68.485	37.906	26.881	133.30	70.114	29.997	9.5287	84.477
#1	-.00010	.00092	-.00179	.15453	.00686	.00010	-.00002	.00221	.13428	-.00026
#2	.00017	.00095	-.00062	.08920	.00467	.00332	-.00007	.00340	.11733	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					.00522				.10000	
Low Limit					-.00522				-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00152**	**-.00153**	**-.00507**	F **.01088**	W **.00725**	**-.00817**	**.00022**	**.00017**	**-.00244**	**.00048**
Stddev	.00294	.00033	.00024	.00224	.00036	.01203	.00053	.00016	.00134	.00053
%RSD	192.73	21.720	4.7880	20.601	5.0186	147.37	241.23	91.995	54.964	109.47
#1	-.00360	-.00129	-.00490	.00930	.00751	-.01667	-.00015	.00006	-.00339	.00085
#2	.00055	-.00176	-.00524	.01247	.00700	.00034	.00059	.00028	-.00149	.00011
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00628	.00486					
Low Limit				-.00628	-.00486					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00133**	**.04687**	**-.00018**	**.00079**	W **.00443**
Stddev	.00039	.01735	.00008	.00020	.00051
%RSD	29.301	37.013	41.838	24.956	11.624
#1	.00160	.03460	-.00013	.00065	.00406
#2	.00105	.05913	-.00023	.00093	.00479
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					.00238
Low Limit					-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3995.6**	**60358.**	**4264.8**
Stddev	4.1	53.	.9
%RSD	.10318	.08827	.02072
#1	3992.7	60396.	4264.2
#2	3998.5	60321.	4265.5

Sample Name: CCVL942742 Acquired: 8/26/2011 0:17:14 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01097**	**.10749**	**.01336**	**.10120**	**.01050**	**.00098**	F **.13352**	**.19995**	**.00544**	**.01086**	**.01071**
Stddev	.00069	.00148	.00140	.00092	.00024	.00002	.00107	.00135	.00047	.00015	.00018
%RSD	6.3327	1.3780	10.499	.90848	2.3338	1.5938	.80366	.67358	8.6055	1.3855	1.7147
#1	.01146	.10854	.01237	.10055	.01067	.00097	.13428	.20090	.00510	.01075	.01058
#2	.01048	.10644	.01436	.10185	.01032	.00100	.13276	.19899	.00577	.01097	.01084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01723**	**.09394**	**3.1584**	F **.01383**	**.21731**	**.01071**	**.02002**	**1.1672**	**.04236**	**2.9160**	**.00884**
Stddev	.00079	.00157	.0024	.00334	.00006	.00002	.00017	.0015	.00068	.0048	.00223
%RSD	4.5946	1.6668	.07555	24.128	.02887	.14930	.83675	.13133	1.5964	.16432	25.266
#1	.01779	.09283	3.1601	.01619	.21727	.01070	.01990	1.1683	.04188	2.9126	.00726
#2	.01667	.09505	3.1568	.01147	.21736	.01073	.02014	1.1661	.04284	2.9194	.01041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00118**	**.01185**	**.01730**	**.47307**	**.10217**	**.01058**	**.01214**	**.01018**	F **.02020**	F **.09608**	**.01011**
Stddev	.00406	.00130	.00519	.01969	.00049	.00006	.00050	.00018	.00109	.01413	.00023
%RSD	343.71	11.001	30.007	4.1612	.48252	.54838	4.1553	1.7414	5.3901	14.708	2.3126
#1	.00169	.01092	.02097	.48699	.10252	.01054	.01178	.01031	.01943	.10607	.00995
#2	-.00405	.01277	.01363	.45915	.10182	.01062	.01250	.01005	.02097	.08609	.01028
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
Value									.01500	.06000	
Range									30.000%	30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02277**	W **.01823**
Stddev	.00044	.00081
%RSD	1.9232	4.4683
#1	.02246	.01881
#2	.02308	.01765
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4015.9**	**60371.**	**4288.3**
Stddev	2.2	42.	4.0
%RSD	.05477	.06970	.09366
#1	4014.4	60341.	4285.4
#2	4017.5	60401.	4291.1

Sample Name: mb 280-82830/1-a Acquired: 8/26/2011 0:19:48 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82830 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00067**	**-.00366**	**.00033**	W **-.00078**	**-.00015**	**-.00097**	**.00689**	**-.00005**	**-.00003**
Stddev	.00053	.00082	.00484	.00064	.00012	.00001	.00115	.00329	.00017	.00014
%RSD	499.55	121.89	132.31	192.10	15.158	5.1094	118.05	47.721	352.83	402.04
#1	.00048	.00009	-.00708	-.00012	-.00087	-.00014	-.00016	.00921	-.00017	-.00013
#2	-.00027	.00125	-.00024	.00078	-.00070	-.00015	-.00179	.00456	.00007	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00058					
Low Limit					-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00070**	**.00065**	**-.01292**	W **.00291**	**.00443**	**.00010**	**.00002**	W **.10436**	**-.00035**
Stddev	.00009	.00062	.00354	.00632	.00202	.00209	.00006	.00015	.01828	.00015
%RSD	176.97	89.095	545.64	48.951	69.593	47.128	64.314	717.29	17.517	44.236
#1	-.00001	.00026	-.00186	-.00845	.00434	.00296	.00005	-.00009	.11729	-.00024
#2	.00011	.00114	.00316	-.01739	.00148	.00591	.00014	.00013	.09143	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00261				.09160	
Low Limit					-.00261				-.09160	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00208**	**-.00019**	**.00270**	**.00165**	**.00021**	**-.01319**	**-.00037**	**.00017**	**-.00077**	**.00049**
Stddev	.00037	.00018	.00056	.00230	.00309	.02492	.00011	.00022	.00065	.00034
%RSD	17.946	98.636	20.634	139.14	1482.7	188.85	29.733	126.04	84.400	69.273
#1	-.00234	-.00006	.00309	.00328	-.00198	-.03081	-.00030	.00002	-.00122	.00025
#2	-.00182	-.00032	.00230	.00003	.00239	.00443	-.00045	.00032	-.00031	.00073
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00111**	W **.03527**	**-.00017**	**.00165**	**.00369**
Stddev	.00074	.01895	.00073	.00021	.00157
%RSD	66.652	53.724	430.88	12.763	42.516
#1	.00059	.02187	.00035	.00150	.00480
#2	.00163	.04867	-.00069	.00180	.00258
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.01610			
Low Limit		-.01610			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4050.9**	**61139.**	**4314.2**
Stddev	10.6	121.	20.2
%RSD	.26179	.19775	.46834
#1	4043.4	61053.	4299.9
#2	4058.4	61224.	4328.4

Sample Name: lcs 280-82830/2-a Acquired: 8/26/2011 0:22:27 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82830 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04875**	**1.8889**	**1.0001**	**1.0308**	**2.0167**	**.04793**	F **2.3272**	**47.609**	**.10364**	**.48914**
Stddev	.00014	.0090	.0060	.0016	.0112	.00008	.0089	.375	.00012	.00040
%RSD	.27969	.47415	.60114	.15864	.55560	.17590	.38217	.78710	.11510	.08238
#1	.04884	1.8952	.99581	1.0297	2.0246	.04799	2.3209	47.874	.10355	.48886
#2	.04865	1.8825	1.0043	1.0320	2.0087	.04787	2.3335	47.344	.10372	.48943
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19949**	**.25038**	**.95130**	**49.409**	**.95904**	**49.439**	**.49056**	**1.0605**	**51.180**	**.48308**
Stddev	.00069	.00099	.00128	.220	.00183	.053	.00058	.0015	.206	.00070
%RSD	.34741	.39418	.13433	.44597	.19112	.10633	.11824	.13733	.40295	.14485
#1	.19900	.24968	.95039	49.565	.96033	49.402	.49015	1.0615	51.035	.48357
#2	.19998	.25108	.95220	49.254	.95774	49.476	.49097	1.0595	51.326	.48258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8671**	**.48970**	**-.00417**	**.53248**	**2.0036**	**9.8480**	**2.0943**	**1.0029**	**.97858**	**1.0642**
Stddev	.0218	.00024	.00165	.00142	.0001	.0268	.0000	.0057	.00116	.0022
%RSD	.22061	.04919	39.516	.26596	.00554	.27203	.00036	.57288	.11833	.20613
#1	9.8517	.48953	-.00301	.53147	2.0035	9.8669	2.0943	1.0070	.97776	1.0626
#2	9.8824	.48987	-.00534	.53348	2.0037	9.8291	2.0943	.99889	.97939	1.0657
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9993**	**2.1009**	**.50393**	**.49305**	**.52762**
Stddev	.0028	.0167	.00158	.00034	.00667
%RSD	.14119	.79482	.31428	.06867	1.2635
#1	1.9973	2.0891	.50281	.49281	.53234
#2	2.0013	2.1127	.50505	.49329	.52291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3883.0**	**57724.**	**4302.5**
Stddev	1.2	53.	6.4
%RSD	.03076	.09169	.14881
#1	3882.1	57761.	4297.9
#2	3883.8	57686.	4307.0

Sample Name: 280-19426-h-1-a Acquired: 8/26/2011 0:24:49 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82830 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**.00223**	**.00156**	**.14874**	**.17102**	**-.00004**	**.00308**	**25.625**	**.00022**	**.00023**
Stddev	.00042	.00086	.00002	.00019	.00062	.00005	.00598	.129	.00029	.00034
%RSD	131.44	38.666	1.5597	.12930	.36421	102.59	193.92	.50385	133.61	147.54
#1	-.00002	.00162	.00158	.14887	.17146	-.00001	.00731	25.716	.00001	-.00001
#2	-.00061	.00284	.00155	.14860	.17058	-.00008	-.00114	25.534	.00042	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00177**	**.12715**	**4.6530**	**.03347**	**16.682**	**.27033**	**.01334**	**150.73**	**-.00001**
Stddev	.00008	.00045	.00206	.0302	.00045	.016	.00041	.00119	.61	.00001
%RSD	194.59	25.606	1.6211	.64918	1.3375	.09518	.15217	8.9171	.40427	59.073
#1	-.00009	.00209	.12861	4.6317	.03315	16.693	.27062	.01250	150.30	-.00001
#2	.00001	.00145	.12569	4.6744	.03379	16.670	.27004	.01418	151.16	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09782**	**-.00032**	**12.588**	**-.00160**	**.00869**	**13.011**	**-.00015**	**.26620**	**-.00189**	**.00014**
Stddev	.00052	.00051	.029	.00065	.00261	.105	.00041	.00118	.00032	.00008
%RSD	.53083	157.82	.23348	40.633	30.075	.80636	262.93	.44219	16.774	58.548
#1	.09819	-.00068	12.609	-.00206	.00684	13.085	-.00044	.26703	-.00211	.00019
#2	.09745	.00004	12.567	-.00114	.01054	12.937	.00013	.26537	-.00167	.00008
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00304**	**.03334**	**-.00601**	**.00163**	**.00212**
Stddev	.00011	.01258	.00058	.00021	.00006
%RSD	3.6643	37.735	9.6522	12.606	3.0360
#1	.00297	.02444	-.00642	.00178	.00208
#2	.00312	.04223	-.00560	.00149	.00217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3911.6**	**57593.**	**4300.2**
Stddev	1.5	200.	9.5
%RSD	.03883	.34767	.22069
#1	3910.6	57451.	4293.5
#2	3912.7	57734.	4306.9

Sample Name: 280-19426-h-1-aSD@5 Acquired: 8/26/2011 0:27:23 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82830 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00035**	**.00101**	**.03062**	**.03414**	**-.00001**	**.00124**	**5.2133**	**.00006**	**-.00030**
Stddev	.00034	.00348	.00262	.00024	.00031	.00009	.00160	.0041	.00007	.00006
%RSD	92.272	987.57	260.64	.79094	.89469	897.92	129.16	.07935	104.75	19.084
#1	.00013	-.00211	-.00085	.03045	.03392	-.00007	.00011	5.2162	.00011	-.00034
#2	.00061	.00282	.00286	.03079	.03436	.00005	.00237	5.2104	.00002	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00115**	**.02762**	**1.0082**	**.00830**	**3.4081**	**.05517**	**.00199**	**30.988**	**-.00007**
Stddev	.00015	.00023	.00020	.0297	.00256	.0094	.00014	.00015	.089	.00011
%RSD	229.15	20.393	.71304	2.9427	30.799	.27490	.26097	7.5621	.28588	146.74
#1	.00004	.00098	.02748	1.0292	.01010	3.4148	.05527	.00189	30.925	-.00015
#2	-.00017	.00132	.02776	.98726	.00649	3.4015	.05507	.00210	31.050	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01601**	**-.00203**	**2.4442**	**-.00142**	**-.00044**	**2.5899**	**-.00041**	**.05364**	**-.00123**	**.00002**
Stddev	.00071	.00117	.0066	.00064	.00035	.0075	.00003	.00009	.00173	.00103
%RSD	4.4296	57.751	.26945	44.944	78.466	.28877	7.4596	.16390	140.92	4707.5
#1	.01551	-.00120	2.4395	-.00097	-.00068	2.5952	-.00043	.05371	.00000	-.00070
#2	.01651	-.00286	2.4488	-.00187	-.00020	2.5846	-.00039	.05358	-.00245	.00075
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00120**	**.02441**	**-.00126**	**.00291**	**.00327**
Stddev	.00056	.02876	.00002	.00006	.00026
%RSD	46.529	117.80	1.3249	2.0770	7.9717
#1	.00080	.00408	-.00127	.00287	.00309
#2	.00159	.04475	-.00124	.00295	.00345
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3966.3**	**59311.**	**4323.7**
Stddev	5.4	98.	4.3
%RSD	.13613	.16509	.09959
#1	3962.5	59242.	4320.6
#2	3970.2	59381.	4326.7

Sample Name: 280-19426-h-1-b ms Acquired: 8/26/2011 0:29:58 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82830 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05038**	**1.8977**	**1.0468**	**1.1611**	**2.2309**	**.04860**	**2.3482**	**74.047**	**.10709**	**.49613**
Stddev	.00011	.0191	.0009	.0021	.0016	.00031	.0081	.112	.00009	.00078
%RSD	.21743	1.0063	.08959	.17782	.07197	.63088	.34491	.15116	.08329	.15757
#1	.05046	1.9112	1.0475	1.1597	2.2298	.04838	2.3539	74.126	.10716	.49669
#2	.05031	1.8842	1.0462	1.1626	2.2321	.04881	2.3424	73.968	.10703	.49558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20242**	**.25642**	**1.0538**	**56.097**	**1.0262**	**67.227**	**.77579**	**1.0443**	**203.76**	**.48867**
Stddev	.00023	.00074	.0007	.056	.0064	.009	.00022	.0022	.20	.00083
%RSD	.11284	.28946	.06904	.09939	.62350	.01351	.02886	.21047	.09589	.17070
#1	.20258	.25589	1.0544	56.137	1.0216	67.220	.77563	1.0458	203.63	.48926
#2	.20226	.25694	1.0533	56.058	1.0307	67.233	.77595	1.0427	203.90	.48808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.340**	**.49237**	**12.785**	**.52233**	**2.0798**	**22.473**	**2.0429**	**1.2934**	**1.0049**	**1.0518**
Stddev	.013	.00252	.016	.00261	.0099	.060	.0057	.0014	.0000	.0005
%RSD	.12121	.51096	.12142	.49904	.47649	.26576	.27958	.10425	.00252	.04631
#1	10.349	.49415	12.796	.52049	2.0868	22.515	2.0469	1.2925	1.0049	1.0521
#2	10.332	.49059	12.774	.52417	2.0728	22.431	2.0389	1.2944	1.0049	1.0515
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9665**	**2.1486**	**.51612**	**.51108**	**.50958**
Stddev	.0018	.0162	.00054	.00287	.00310
%RSD	.09326	.75560	.10476	.56237	.60818
#1	1.9678	2.1601	.51574	.51311	.50739
#2	1.9652	2.1371	.51650	.50905	.51177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3816.7**	**55985.**	**4304.5**
Stddev	4.4	9.	1.4
%RSD	.11418	.01520	.03261
#1	3813.7	55979.	4305.5
#2	3819.8	55991.	4303.5

Sample Name: 280-19426-h-1-c msd Acquired: 8/26/2011 0:32:19 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82830 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05203**	**1.9359**	**1.0776**	**1.0904**	**2.3083**	**.05084**	**2.4263**	**76.253**	**.11043**	**.51069**
Stddev	.00064	.0038	.0034	.0007	.0052	.00034	.0062	.037	.00018	.00028
%RSD	1.2241	.19546	.31775	.06244	.22594	.66081	.25430	.04838	.16130	.05559
#1	.05158	1.9385	1.0800	1.0899	2.3120	.05108	2.4220	76.279	.11030	.51049
#2	.05248	1.9332	1.0752	1.0909	2.3046	.05061	2.4307	76.227	.11055	.51089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20832**	**.26505**	**1.1084**	**57.982**	**1.0599**	**68.413**	**.79250**	**.98298**	**206.55**	**.50547**
Stddev	.00010	.00063	.0048	.129	.0050	.018	.00010	.00049	.16	.00039
%RSD	.05027	.23763	.43538	.22230	.47044	.02703	.01223	.04987	.07956	.07810
#1	.20825	.26460	1.1118	58.073	1.0635	68.400	.79243	.98332	206.67	.50519
#2	.20840	.26549	1.1049	57.891	1.0564	68.426	.79257	.98263	206.44	.50575
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.630**	**.50936**	**12.798**	**.48555**	**2.1419**	**22.297**	**1.9040**	**1.3361**	**1.0412**	**.97796**
Stddev	.006	.00034	.007	.00079	.0020	.053	.0007	.0036	.0017	.00072
%RSD	.05277	.06661	.05267	.16283	.09155	.23953	.03889	.27219	.16297	.07375
#1	10.634	.50912	12.794	.48500	2.1433	22.334	1.9045	1.3387	1.0424	.97847
#2	10.626	.50960	12.803	.48611	2.1405	22.259	1.9034	1.3336	1.0400	.97745
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0195**	**2.2061**	**.52909**	**.52451**	**.48562**
Stddev	.0018	.0519	.00094	.00248	.00128
%RSD	.08643	2.3520	.17784	.47283	.26365
#1	2.0183	2.1694	.52843	.52626	.48653
#2	2.0207	2.2428	.52976	.52275	.48472
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3839.1**	**56654.**	**4286.0**
Stddev	8.9	4.	25.2
%RSD	.23070	.00658	.58784
#1	3845.4	56651.	4268.2
#2	3832.8	56656.	4303.8

Sample Name: 280-19426-h-2-a Acquired: 8/26/2011 0:34:40 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82830 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	-.00046	.00227	.15168	.18056	.00004	.00246	25.786	.00043	.00026
Stddev	.00089	.00107	.00299	.00055	.00072	.00002	.00126	.039	.00007	.00007
%RSD	1376.0	230.74	131.68	.36496	.39826	45.499	51.151	.15256	16.060	27.013
#1	.00056	-.00122	.00016	.15129	.18107	.00003	.00335	25.813	.00038	.00021
#2	-.00069	.00029	.00439	.15207	.18005	.00005	.00157	25.758	.00047	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	.00192	.09258	4.6937	.03252	16.508	.26758	.01335	150.79	.00011
Stddev	.00002	.00036	.00416	.0110	.00273	.015	.00014	.00145	.16	.00018
%RSD	43.301	18.936	4.4923	.23526	8.4008	.08790	.05289	10.845	.10938	163.19
#1	.00002	.00217	.09552	4.6859	.03445	16.518	.26748	.01233	150.91	.00024
#2	.00005	.00166	.08964	4.7015	.03059	16.497	.26768	.01438	150.67	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09947	-.00007	12.585	-.00130	.01016	13.013	-.00026	.26686	-.00139	.00040
Stddev	.00195	.00173	.002	.00108	.00257	.053	.00118	.00038	.00086	.00005
%RSD	1.9617	2550.1	.01263	82.977	25.288	.40390	455.29	.14139	61.993	13.855
#1	.10085	-.00129	12.584	-.00206	.00834	13.051	-.00109	.26712	-.00200	.00043
#2	.09809	.00115	12.586	-.00054	.01197	12.976	.00057	.26659	-.00078	.00036
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00344	.05919	-.00660	.00138	.00485
Stddev	.00139	.03857	.00045	.00017	.00397
%RSD	40.419	65.163	6.8404	12.418	81.885
#1	.00246	.03192	-.00628	.00126	.00766
#2	.00442	.08646	-.00692	.00150	.00204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3897.7	57953.	4328.6
Stddev	11.8	16.	10.3
%RSD	.30256	.02827	.23813
#1	3906.1	57964.	4335.9
#2	3889.4	57941.	4321.3

Sample Name: 280-19426-h-3-a Acquired: 8/26/2011 0:37:15 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82830 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00310**	**-.00296**	**.00228**	**-.00052**	**-.00005**	**.00150**	**.02342**	**.00039**	**-.00027**
Stddev	.00106	.00058	.00112	.00085	.00031	.00007	.00081	.00618	.00002	.00001
%RSD	739.66	18.681	37.923	37.486	58.741	147.64	53.830	26.401	4.1089	3.4608
#1	.00061	.00269	-.00216	.00288	-.00074	.00000	.00208	.02779	.00038	-.00026
#2	-.00089	.00351	-.00375	.00167	-.00030	-.00009	.00093	.01905	.00040	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00259**	**.00622**	**.06485**	**.00466**	**.00502**	**.00022**	**.00078**	**.58740**	**.00042**
Stddev	.00003	.00018	.00245	.02938	.00154	.00144	.00004	.00022	.00376	.00013
%RSD	283.90	7.0198	39.370	45.302	33.026	28.625	20.764	28.298	.63978	30.102
#1	.00001	.00272	.00795	.08563	.00357	.00400	.00018	.00063	.59006	.00033
#2	-.00003	.00246	.00449	.04408	.00575	.00603	.00025	.00094	.58474	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00197**	**-.00009**	**.01673**	**-.00094**	**.00104**	**-.00347**	**-.00024**	**.00026**	**-.00154**	**.00080**
Stddev	.00320	.00184	.00056	.00067	.00098	.00805	.00044	.00006	.00110	.00018
%RSD	162.22	2046.7	3.3623	70.831	94.345	231.69	188.70	23.992	71.564	22.217
#1	-.00423	.00121	.01713	-.00047	.00035	.00222	.00008	.00030	-.00231	.00093
#2	.00029	-.00139	.01634	-.00142	.00174	-.00917	-.00055	.00022	-.00076	.00067
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.02774**	**-.00039**	**.00377**	**.00247**
Stddev	.00124	.01199	.00020	.00015	.00015
%RSD	923.99	43.205	51.227	4.0688	5.9716
#1	-.00101	.03622	-.00025	.00388	.00257
#2	.00074	.01927	-.00053	.00366	.00236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4044.7**	**61335.**	**4356.9**
Stddev	1.2	53.	5.4
%RSD	.02867	.08622	.12372
#1	4043.9	61372.	4360.7
#2	4045.5	61298.	4353.1

Sample Name: CCVH-940568 Acquired: 8/26/2011 0:39:56 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02074**	**50.392**	**-.00195**	**.00258**	**-.00029**	**-.00006**	**1.0460**	**.02582**	**-.00121**	**.00213**	**.00029**	**-.00092**	**50.898**
Stddev	.00034	.003	.00264	.00015	.00020	.00012	.0006	.00625	.00009	.00016	.00030	.00002	.227
%RSD	1.6344	.00500	135.45	5.8203	68.298	212.24	.06024	24.201	7.2430	7.6632	102.16	1.8624	.44626
#1	-.02098	50.394	-.00008	.00269	-.00043	-.00014	1.0455	.03024	-.00127	.00202	.00008	-.00093	51.059
#2	-.02050	50.391	-.00381	.00248	-.00015	.00003	1.0464	.02140	-.00115	.00225	.00050	-.00091	50.737
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16891**	**.00400**	**-.10470**	**.00096**	**-.00201**	**267.81**	**.00134**	**.00045**	**-.00253**	**5.0941**	**-.00995**	**.01323**	**.00724**
Stddev	.04130	.00050	.00153	.00000	.00071	.01	.00002	.00095	.00010	.0052	.00141	.00025	.02553
%RSD	24.448	12.454	1.4599	.02382	35.644	.00366	1.2795	211.59	3.9692	.10211	14.176	1.8709	352.72
#1	.13971	.00436	-.10578	.00096	-.00251	267.81	.00135	.00112	-.00246	5.0977	-.01094	.01305	-.01081
#2	.19811	.00365	-.10362	.00096	-.00150	267.80	.00132	-.00022	-.00260	5.0904	-.00895	.01340	.02529
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00044**	**5.1041**	**.00120**	**.00459**	**10.642**	**-.00843**	**.00452**	**.01499**
Stddev	.00018	.00021	.0012	.00032	.00153	.006	.00023	.00030	.00365
%RSD	48.743	48.196	.02309	26.910	33.346	.05545	2.7805	6.7475	24.366
#1	.00048	.00029	5.1050	.00097	.00351	10.638	-.00827	.00430	.01241
#2	.00024	.00060	5.1033	.00143	.00567	10.647	-.00860	.00473	.01758
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3839.3**	**56873.**	**4216.1**
Stddev	1.4	62.	3.1
%RSD	.03522	.10815	.07420
#1	3840.2	56917.	4218.4
#2	3838.3	56830.	4213.9

Sample Name: CCV-940591 Acquired: 8/26/2011 0:42:28 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54057**	**.53887**	**1.0396**	**.52200**	**.52849**	**.50172**	**.00365**	**5.0477**	**.52647**	**.52504**	**.52379**	**.53122**	**2.4896**
Stddev	.00020	.00628	.0040	.00159	.00011	.00009	.00043	.0182	.00048	.00183	.00111	.00113	.0002
%RSD	.03723	1.1660	.38885	.30465	.02100	.01741	11.901	.36083	.09174	.34765	.21216	.21259	.00780
#1	.54043	.53443	1.0367	.52087	.52841	.50178	.00395	5.0606	.52613	.52375	.52301	.53043	2.4898
#2	.54071	.54331	1.0425	.52312	.52856	.50166	.00334	5.0349	.52681	.52633	.52458	.53202	2.4895
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.419**	**1.0165**	**21.064**	**.52429**	**.52004**	**5.3979**	**.52196**	**1.0203**	**1.0537**	**-.00063**	**1.0350**	**1.0407**	**4.9348**
Stddev	.020	.0021	.062	.00143	.00109	.0227	.00022	.0011	.0022	.00706	.0010	.0013	.0284
%RSD	.03866	.20172	.29490	.27325	.20918	.42037	.04137	.10533	.21126	1114.1	.09597	.12921	.57446
#1	51.433	1.0180	21.020	.52328	.52081	5.4139	.52181	1.0211	1.0553	.00436	1.0357	1.0417	4.9148
#2	51.404	1.0151	21.108	.52531	.51927	5.3818	.52211	1.0196	1.0522	-.00562	1.0343	1.0398	4.9549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0393**	**.52482**	**-.00138**	**.51712**	**1.0651**	**.04110**	**.52982**	**.52693**	**.51370**
Stddev	.0028	.00036	.00114	.00129	.0007	.02155	.00153	.00144	.00177
%RSD	.27305	.06859	82.815	.24897	.06401	52.435	.28808	.27414	.34490
#1	1.0413	.52508	-.00218	.51621	1.0656	.02586	.52874	.52591	.51495
#2	1.0373	.52457	-.00057	.51803	1.0646	.05633	.53090	.52795	.51244
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3929.0**	**58736.**	**4261.6**
Stddev	9.6	220.	19.9
%RSD	.24384	.37397	.46806
#1	3935.7	58891.	4247.5
#2	3922.2	58581.	4275.7

Sample Name: CCB Acquired: 8/26/2011 0:44:50 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**-.00022**	**.00254**	W **.00182**	W **-.00063**	**-.00003**	**.00242**	**.00103**	**.00030**	**.00004**
Stddev	.00046	.00039	.00148	.00012	.00005	.00000	.00004	.00219	.00031	.00005
%RSD	205.90	177.59	58.194	6.6699	7.8512	7.0845	1.6752	213.60	105.19	120.99
#1	.00054	.00006	.00149	.00190	-.00066	-.00003	.00244	.00257	.00008	.00001
#2	-.00010	-.00050	.00358	.00173	-.00059	-.00004	.00239	-.00052	.00052	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156	.00058					
Low Limit				-.00156	-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00070**	**-.00200**	**.13116**	W **.00321**	**.00127**	**-.00005**	**.00288**	F **.10261**	**.00005**
Stddev	.00036	.00058	.00048	.00526	.00505	.00095	.00002	.00111	.00300	.00044
%RSD	189.63	82.273	24.215	4.0129	157.37	74.704	35.405	38.414	2.9200	886.74
#1	-.00006	.00029	-.00166	.13488	.00677	.00060	-.00007	.00210	.10049	-.00026
#2	.00045	.00111	-.00234	.12743	-.00036	.00193	-.00004	.00366	.10472	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					.00261				.10000	
Low Limit					-.00261				-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00100**	**-.00036**	**.00411**	W **.00616**	W **.00515**	**.00645**	**.00127**	**.00004**	**-.00176**	**.00056**
Stddev	.00003	.00112	.00222	.00220	.00301	.01018	.00061	.00016	.00175	.00019
%RSD	2.7767	307.11	54.168	35.633	58.451	157.86	47.833	369.89	99.689	32.861
#1	-.00102	-.00115	.00253	.00461	.00302	.01365	.00084	-.00007	-.00052	.00043
#2	-.00098	.00043	.00568	.00772	.00727	-.00075	.00170	.00016	-.00299	.00069
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314	.00486					
Low Limit				-.00314	-.00486					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.04021**	**-.00020**	**.00169**	W **.00298**
Stddev	.00010	.04306	.00007	.00029	.00231
%RSD	30.933	107.11	34.731	17.211	77.320
#1	.00025	.00975	-.00025	.00190	.00135
#2	.00038	.07066	-.00015	.00149	.00462
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					.00238
Low Limit					-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3955.3**	**60209.**	**4228.3**
Stddev	5.2	85.	8.7
%RSD	.13049	.14172	.20627
#1	3959.0	60269.	4222.1
#2	3951.7	60149.	4234.5

Sample Name: CCVL942742 Acquired: 8/26/2011 0:47:27 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01078**	**.10839**	**.01735**	**.10312**	**.01015**	**.00091**	F **.13014**	**.20140**	**.00564**	**.01059**	**.01065**
Stddev	.00083	.00011	.00120	.00025	.00062	.00003	.00351	.00088	.00007	.00011	.00009
%RSD	7.7402	.10036	6.8991	.24465	6.1193	2.8145	2.6957	.43916	1.2725	1.0607	.85675
#1	.01019	.10847	.01820	.10294	.00971	.00089	.12765	.20078	.00558	.01051	.01059
#2	.01137	.10831	.01650	.10330	.01059	.00093	.13262	.20203	.00569	.01067	.01072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01733**	**.09578**	**3.1700**	F **.01330**	**.21896**	**.01073**	**.02024**	**1.1652**	**.04256**	**2.9347**	**.00956**
Stddev	.00001	.00059	.0344	.00287	.00202	.00001	.00008	.0137	.00030	.0005	.00147
%RSD	.06061	.61513	1.0856	21.621	.92400	.10478	.39088	1.1787	.69545	.01748	15.418
#1	.01734	.09536	3.1944	.01126	.21753	.01073	.02018	1.1555	.04277	2.9343	.01060
#2	.01732	.09620	3.1457	.01533	.22039	.01072	.02029	1.1749	.04235	2.9350	.00852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00958**	**.01586**	**.45352**	**.10274**	**.01079**	**.01315**	**.01062**	W **.01885**	F **.11027**	**.01033**
Stddev	.00347	.00046	.00146	.00208	.00080	.00020	.00093	.00044	.00119	.01052	.00034
%RSD	651.46	4.8042	9.2306	.45919	.77849	1.8647	7.0600	4.1077	6.3205	9.5380	3.2495
#1	.00298	.00925	.01690	.45205	.10331	.01065	.01250	.01093	.01970	.10283	.01009
#2	-.00192	.00990	.01483	.45500	.10218	.01093	.01381	.01032	.01801	.11771	.01057
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass
Value									.01500	.06000	
Range									20.000%	30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02299**	**.01664**
Stddev	.00093	.00100
%RSD	4.0504	5.9854
#1	.02364	.01734
#2	.02233	.01594
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4042.8**	**60723.**	**4301.2**
Stddev	4.0	159.	9.5
%RSD	.09799	.26242	.22054
#1	4045.6	60611.	4308.0
#2	4040.0	60836.	4294.5

Sample Name: mb 280-82736/1-a Acquired: 8/26/2011 0:50:02 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82736 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**-.00021**	**-.00211**	**.00009**	**-.00037**	**-.00007**	**.00077**	**.00028**	**-.00011**	**.00003**
Stddev	.00020	.00002	.00140	.00097	.00014	.00001	.00073	.00126	.00006	.00003
%RSD	55.748	7.5590	66.210	1084.5	37.441	17.247	95.127	449.51	55.804	103.79
#1	-.00021	-.00020	-.00112	.00078	-.00027	-.00008	.00128	.00118	-.00015	.00005
#2	-.00049	-.00022	-.00310	-.00060	-.00046	-.00006	.00025	-.00061	-.00007	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00115**	**.00107**	**.02020**	**.03703**	**.00147**	**-.00071**	**.00022**	**.00017**	**.06643**	**-.00015**
Stddev	.00013	.00005	.00142	.02781	.00189	.00277	.00007	.00029	.00394	.00004
%RSD	11.624	4.4632	7.0289	75.102	128.55	390.17	32.065	173.75	5.9312	25.014
#1	.00125	.00104	.02120	.05669	.00013	-.00267	.00017	-.00004	.06922	-.00018
#2	.00106	.00111	.01919	.01736	.00281	.00125	.00027	.00038	.06365	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00081**	**-.00439**	**-.00046**	**-.00474**	**-.02034**	**.00012**	**.00011**	**-.00176**	**.00045**
Stddev	.00122	.00128	.00394	.00154	.00235	.01703	.00087	.00001	.00005	.00065
%RSD	1898.8	158.82	89.862	336.38	49.616	83.768	716.35	4.7941	2.7524	145.57
#1	.00080	.00010	-.00718	.00063	-.00641	-.00829	-.00050	.00012	-.00172	-.00001
#2	-.00092	-.00172	-.00160	-.00155	-.00308	-.03238	.00074	.00011	-.00179	.00091
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00292**	**.04554**	**.00006**	**.00124**	**.00216**
Stddev	.00177	.00059	.00047	.00000	.00126
%RSD	60.531	1.2905	838.48	.16123	58.425
#1	.00417	.04595	-.00028	.00125	.00126
#2	.00167	.04512	.00039	.00124	.00305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4092.4**	**61877.**	**4384.9**
Stddev	12.1	150.	8.6
%RSD	.29637	.24241	.19548
#1	4083.9	61983.	4390.9
#2	4101.0	61771.	4378.8

Sample Name: lcs 280-82736/2-a Acquired: 8/26/2011 0:52:40 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82736 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05095**	**1.9945**	**1.0742**	**1.0592**	**2.1203**	**.05028**	F **2.4728**	**49.846**	F **.11089**	**.51402**
Stddev	.00026	.0270	.0037	.0005	.0009	.00002	.0026	.077	.00030	.00115
%RSD	.50181	1.3517	.34575	.05078	.04430	.04444	.10364	.15355	.27274	.22341
#1	.05077	2.0136	1.0716	1.0595	2.1210	.05030	2.4710	49.792	.11111	.51483
#2	.05113	1.9754	1.0769	1.0588	2.1196	.05027	2.4746	49.900	.11068	.51321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit							2.2000		.11000	
Low Limit							1.8000		.08700	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20778**	**.26314**	**.97966**	**52.336**	**1.0239**	**52.652**	**.51774**	**1.0435**	**54.655**	**.50788**
Stddev	.00021	.00155	.00595	.015	.0018	.092	.00118	.0023	.241	.00076
%RSD	.09947	.58870	.60762	.02865	.17417	.17488	.22820	.22249	.44077	.15051
#1	.20793	.26424	.97545	52.346	1.0227	52.717	.51857	1.0451	54.485	.50734
#2	.20764	.26205	.98387	52.325	1.0252	52.586	.51690	1.0418	54.826	.50842
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.631**	**.51967**	**-.01042**	**.53451**	F **2.2347**	**9.7181**	**2.0722**	**1.0570**	**1.0271**	**1.0527**
Stddev	.031	.00015	.00081	.00011	.0039	.0717	.0025	.0002	.0028	.0017
%RSD	.29584	.02830	7.7284	.01989	.17362	.73822	.12114	.02039	.27189	.16176
#1	10.654	.51957	-.00985	.53444	2.2375	9.6674	2.0740	1.0572	1.0291	1.0539
#2	10.609	.51978	-.01099	.53459	2.2320	9.7688	2.0704	1.0569	1.0252	1.0515
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					2.2000					
Low Limit					1.8000					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.1289**	**2.2059**	**.52844**	**.52623**	**.51998**
Stddev	.0050	.0151	.00203	.00143	.00162
%RSD	.23387	.68259	.38503	.27100	.31235
#1	2.1253	2.1953	.52988	.52724	.52113
#2	2.1324	2.2165	.52701	.52522	.51884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3926.1**	**58018.**	**4305.6**
Stddev	3.8	113.	14.6
%RSD	.09671	.19395	.33805
#1	3923.4	57938.	4315.9
#2	3928.8	58097.	4295.3

Sample Name: 280-19441-a-2-a Acquired: 8/26/2011 0:55:02 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82736 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00000	.00959	.00096	.03198	.13509	.00000	.00498	53.244	-.00012	.00028
Stddev	.0000	.00214	.00071	.00025	.00013	.00007	.00048	.003	.00008	.00025
%RSD	1396.2	22.280	74.062	.77223	.09651	20882.	9.7241	.00482	68.933	89.319
#1	-.00003	.00808	.00147	.03181	.13518	.00005	.00464	53.242	-.00017	.00010
#2	.00003	.01111	.00046	.03216	.13500	-.00005	.00533	53.245	-.00006	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01401	.00193	.01179	6.7642	.01063	34.136	.00062	.00890	24.443	.00042
Stddev	.00011	.00022	.00045	.0654	.00245	.084	.00002	.00185	.055	.00004
%RSD	.80409	11.554	3.8462	.96730	23.087	.24473	2.4429	20.745	.22481	10.028
#1	.01393	.00177	.01147	6.7179	.01236	34.077	.00063	.00760	24.404	.00045
#2	.01409	.00208	.01212	6.8105	.00889	34.195	.00060	.01021	24.482	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01504	-.00007	8.2898	.00001	.01613	5.7099	.00178	2.4629	-.00174	.00007
Stddev	.00385	.00191	.0156	.00081	.00408	.0007	.00037	.0055	.00114	.00019
%RSD	25.586	2760.7	.18774	9279.7	25.321	.01220	20.598	.22345	65.604	259.57
#1	.01232	.00128	8.3008	.00058	.01324	5.7104	.00152	2.4590	-.00093	-.00006
#2	.01777	-.00142	8.2788	-.00056	.01902	5.7094	.00204	2.4668	-.00255	.00020
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00496	.03679	.00152	.00410	.00448
Stddev	.00140	.00038	.00018	.00002	.00169
%RSD	28.213	1.0288	12.003	.59982	37.799
#1	.00595	.03653	.00139	.00408	.00328
#2	.00397	.03706	.00165	.00412	.00567
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3979.0	58787.	4358.3
Stddev	.1	134.	3.7
%RSD	.00130	.22744	.08552
#1	3979.0	58881.	4360.9
#2	3978.9	58692.	4355.6

Sample Name: 280-19441-a-2-aSD@5 Acquired: 8/26/2011 0:57:37 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82736 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00065	.00157	-.00212	.00715	.02727	.00013	.00143	10.886	.00007	-.00016
Stddev	.00022	.00094	.00100	.00069	.00005	.00006	.00335	.017	.00029	.00016
%RSD	34.198	59.704	47.221	9.5986	.19451	46.308	234.29	.15334	442.37	104.05
#1	-.00081	.00091	-.00283	.00763	.02731	.00018	.00380	10.874	-.00014	-.00004
#2	-.00050	.00224	-.00141	.00666	.02723	.00009	-.00094	10.897	.00027	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00276	.00099	.00686	1.3819	.00907	6.9108	.00036	.00131	4.8068	-.00013
Stddev	.00011	.00013	.00081	.0260	.00479	.0019	.00001	.00058	.0190	.00007
%RSD	3.9830	12.838	11.773	1.8847	52.832	.02772	3.0484	44.397	.39459	55.247
#1	.00268	.00108	.00743	1.4003	.01246	6.9094	.00037	.00090	4.7934	-.00018
#2	.00283	.00090	.00629	1.3635	.00568	6.9122	.00035	.00172	4.8202	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00080	-.00020	1.5834	-.00049	.00338	1.1402	-.00035	.49745	-.00177	-.00011
Stddev	.00111	.00098	.0027	.00239	.00162	.0113	.00059	.00132	.00082	.00024
%RSD	138.12	480.59	.17296	490.37	47.829	.99045	167.39	.26629	46.332	220.61
#1	.00002	-.00090	1.5814	.00120	.00453	1.1322	.00007	.49652	-.00234	-.00028
#2	.00159	.00049	1.5853	-.00218	.00224	1.1482	-.00077	.49839	-.00119	.00006
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00267	.04359	.00093	.00352	.00436
Stddev	.00084	.01872	.00063	.00002	.00136
%RSD	31.534	42.953	68.144	.66441	31.259
#1	.00326	.05683	.00138	.00351	.00533
#2	.00207	.03035	.00048	.00354	.00340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4021.5	60300.	4322.8
Stddev	5.3	25.	18.5
%RSD	.13074	.04071	.42854
#1	4017.8	60318.	4335.9
#2	4025.2	60283.	4309.7

Sample Name: 280-19441-a-2-b ms Acquired: 8/26/2011 1:00:14 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82736 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05158**	**1.9431**	**1.0693**	**1.0796**	**2.2338**	**.04991**	**2.4262**	**101.36**	**.10987**	**.50238**
Stddev	.00000	.0226	.0013	.0012	.0029	.00001	.0049	.29	.00050	.00037
%RSD	.00198	1.1640	.11746	.10896	.13120	.01474	.20133	.28887	.45912	.07458
#1	.05158	1.9591	1.0702	1.0788	2.2359	.04990	2.4228	101.56	.10951	.50212
#2	.05158	1.9271	1.0684	1.0804	2.2317	.04991	2.4297	101.15	.11022	.50265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21860**	**.26186**	**.97468**	**59.024**	**1.0294**	**85.404**	**.51366**	**1.0428**	**77.422**	**.49747**
Stddev	.00064	.00129	.00228	.166	.0007	.159	.00057	.0011	.014	.00041
%RSD	.29465	.49154	.23421	.28087	.07106	.18674	.11173	.10782	.01839	.08275
#1	.21906	.26095	.97629	59.141	1.0299	85.291	.51325	1.0436	77.412	.49776
#2	.21815	.26277	.97306	58.906	1.0289	85.517	.51407	1.0420	77.432	.49718
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.577**	**.50791**	**8.2453**	**.53035**	**2.2037**	**15.276**	**2.0516**	**3.4488**	**1.0201**	**1.0504**
Stddev	.010	.00229	.0352	.00124	.0006	.033	.0024	.0060	.0014	.0001
%RSD	.09786	.45184	.42632	.23288	.02931	.21360	.11963	.17362	.13313	.01064
#1	10.569	.50629	8.2205	.53122	2.2033	15.300	2.0498	3.4530	1.0192	1.0505
#2	10.584	.50953	8.2702	.52948	2.2042	15.253	2.0533	3.4445	1.0211	1.0503
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0614**	**2.1634**	**.53306**	**.52172**	**.51308**
Stddev	.0004	.0234	.00123	.00093	.00005
%RSD	.01845	1.0802	.23116	.17904	.00891
#1	2.0612	2.1469	.53219	.52106	.51312
#2	2.0617	2.1800	.53393	.52238	.51305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3892.2**	**57172.**	**4328.0**
Stddev	2.1	5.	23.5
%RSD	.05508	.00867	.54374
#1	3890.7	57169.	4311.4
#2	3893.7	57176.	4344.7

Sample Name: 280-19441-a-2-c msd Acquired: 8/26/2011 1:02:34 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82736 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05169**	**1.9843**	**1.0946**	**1.1024**	**2.2745**	**.05111**	**2.4732**	**103.89**	**.11192**	**.51309**
Stddev	.00006	.0173	.0021	.0009	.0021	.00007	.0043	.00	.00019	.00073
%RSD	.11398	.87319	.19258	.07909	.09027	.14259	.17374	.00234	.16718	.14250
#1	.05173	1.9966	1.0961	1.1018	2.2759	.05116	2.4762	103.89	.11205	.51361
#2	.05165	1.9721	1.0931	1.1031	2.2730	.05106	2.4702	103.89	.11179	.51258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22362**	**.26660**	**1.0073**	**60.038**	**1.0437**	**86.708**	**.52193**	**1.0727**	**79.175**	**.50862**
Stddev	.00011	.00036	.0028	.075	.0027	.032	.00062	.0024	.101	.00053
%RSD	.04854	.13335	.27778	.12549	.25690	.03735	.11961	.22446	.12816	.10474
#1	.22370	.26635	1.0093	59.984	1.0418	86.731	.52237	1.0744	79.104	.50900
#2	.22355	.26685	1.0054	60.091	1.0456	86.686	.52149	1.0710	79.247	.50825
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.802**	**.51876**	**8.4415**	**.54157**	**2.2542**	**15.714**	**2.0926**	**3.5310**	**1.0393**	**1.0713**
Stddev	.019	.00393	.0449	.00146	.0029	.036	.0027	.0027	.0029	.0002
%RSD	.17229	.75845	.53144	.26976	.13062	.22895	.12903	.07585	.27803	.02012
#1	10.815	.52154	8.4732	.54260	2.2562	15.689	2.0945	3.5329	1.0414	1.0712
#2	10.789	.51598	8.4098	.54053	2.2521	15.740	2.0907	3.5291	1.0373	1.0715
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.1055**	**2.2252**	**.53876**	**.52774**	**.53068**
Stddev	.0006	.0319	.00065	.00170	.00184
%RSD	.02703	1.4316	.12147	.32181	.34621
#1	2.1059	2.2477	.53922	.52894	.52939
#2	2.1051	2.2027	.53829	.52654	.53198
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3883.8**	**57533.**	**4352.7**
Stddev	1.5	57.	4.5
%RSD	.03753	.09950	.10352
#1	3884.9	57493.	4349.5
#2	3882.8	57574.	4355.9

Sample Name: 280-19441-a-3-a Acquired: 8/26/2011 1:04:59 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82736 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00012	.04437	.00561	.05507	.61937	-.00011	.00613	118.03	.00007	.00221
Stddev	.00030	.00076	.00160	.00006	.00006	.00004	.00366	.19	.00019	.00046
%RSD	238.98	1.7059	28.504	.10591	.00928	33.895	59.783	.15735	262.37	20.946
#1	-.00009	.04384	.00674	.05503	.61941	-.00014	.00354	117.89	-.00006	.00188
#2	.00034	.04491	.00448	.05512	.61933	-.00009	.00872	118.16	.00021	.00253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00558	.00410	.03820	3.4882	.02111	28.772	.00282	.01317	480.14	.00133
Stddev	.00031	.00022	.00148	.0267	.00433	.016	.00004	.00256	.04	.00044
%RSD	5.5781	5.2569	3.8871	.76397	20.503	.05582	1.5570	19.412	.00743	32.804
#1	.00536	.00395	.03925	3.4693	.01805	28.783	.00285	.01136	480.17	.00102
#2	.00580	.00425	.03715	3.5070	.02417	28.760	.00279	.01498	480.12	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10416	-.00083	17.637	-.00024	.01487	8.1110	.00319	1.6846	-.00149	.00115
Stddev	.01205	.00072	.074	.00028	.00425	.0969	.00269	.0012	.00102	.00027
%RSD	11.569	87.042	.42012	119.67	28.590	1.1953	84.439	.07361	68.437	23.851
#1	.09564	-.00032	17.689	-.00044	.01186	8.0425	.00129	1.6855	-.00221	.00134
#2	.11268	-.00134	17.585	-.00004	.01787	8.1796	.00510	1.6837	-.00077	.00095
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01019	.03202	.00383	.00216	.00315
Stddev	.00047	.02773	.00056	.00047	.00077
%RSD	4.5767	86.594	14.639	21.983	24.441
#1	.00986	.05163	.00343	.00249	.00369
#2	.01052	.01241	.00423	.00182	.00260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3792.7	55027.	4294.5
Stddev	14.5	82.	25.2
%RSD	.38260	.14930	.58660
#1	3803.0	55085.	4312.3
#2	3782.4	54969.	4276.7

Sample Name: 280-19441-a-4-a Acquired: 8/26/2011 1:08:07 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82736 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.32568**	**-.00215**	**.06859**	**.69297**	**-.00010**	**.00607**	**247.02**	**.00015**	**.00068**
Stddev	.00005	.00144	.00019	.00059	.00117	.00001	.00128	.13	.00018	.00019
%RSD	24.184	.44297	8.6612	.85895	.16814	10.290	21.078	.05148	122.83	28.350
#1	.00024	.32466	-.00202	.06901	.69380	-.00010	.00516	247.11	.00028	.00082
#2	.00017	.32670	-.00228	.06817	.69215	-.00011	.00697	246.93	.00002	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01095**	**.00358**	**.25294**	**4.3717**	**.02439**	**60.190**	**.53480**	**.00679**	**230.78**	**.00528**
Stddev	.00008	.00023	.00261	.0280	.00533	.039	.00033	.00007	.37	.00024
%RSD	.75877	6.5663	1.0312	.64162	21.838	.06400	.06145	1.1041	.16182	4.5243
#1	.01089	.00374	.25109	4.3915	.02816	60.163	.53503	.00685	230.51	.00512
#2	.01101	.00341	.25478	4.3518	.02063	60.217	.53457	.00674	231.04	.00545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02033**	**-.00243**	**27.887**	**-.00071**	**.00090**	**9.0721**	**-.00147**	**2.6518**	**-.00383**	**.01190**
Stddev	.00355	.00012	.056	.00101	.00505	.0034	.00037	.0014	.00081	.00012
%RSD	17.441	5.0437	.20061	142.81	564.23	.03721	25.372	.05152	21.089	.99045
#1	.02284	-.00235	27.848	.00001	.00447	9.0698	-.00173	2.6528	-.00441	.01198
#2	.01782	-.00252	27.927	-.00142	-.00268	9.0745	-.00120	2.6508	-.00326	.01181
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00474**	**.01967**	W **-.01086**	**.00492**	**.00326**
Stddev	.00132	.03452	.00057	.00018	.00287
%RSD	27.775	175.49	5.2958	3.6793	87.953
#1	.00567	-.00474	-.01126	.00504	.00529
#2	.00381	.04408	-.01045	.00479	.00123
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit			45.000		
Low Limit			-.01000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3780.2**	**55661.**	**4314.3**
Stddev	3.3	10.	15.6
%RSD	.08778	.01878	.36198
#1	3777.8	55653.	4325.4
#2	3782.5	55668.	4303.3

Sample Name: 280-19441-a-5-a Acquired: 8/26/2011 1:10:40 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82736 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00053	.00532	-.00010	.02497	.10458	-.00005	.00192	45.288	.00013	.00010
Stddev	.00059	.00134	.00421	.00030	.00015	.00002	.00177	.010	.00001	.00033
%RSD	112.08	25.261	4236.6	1.2055	.14362	34.368	91.937	.02120	9.2175	326.80
#1	-.00011	.00437	.00287	.02476	.10469	-.00006	.00317	45.281	.00012	.00034
#2	-.00095	.00627	-.00307	.02519	.10448	-.00004	.00067	45.294	.00014	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01269	.00109	.00569	2.3069	.01074	12.764	.00059	.00265	27.125	.00018
Stddev	.00026	.00009	.00216	.0177	.00217	.005	.00002	.00028	.175	.00018
%RSD	2.0551	7.8339	37.996	.76731	20.208	.04263	4.0626	10.491	.64692	100.38
#1	.01287	.00115	.00416	2.3195	.01227	12.760	.00057	.00245	27.001	.00030
#2	.01250	.00103	.00722	2.2944	.00920	12.768	.00061	.00285	27.249	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00822	-.00193	5.4429	-.00245	.00115	9.6957	-.00085	.53481	-.00112	.00022
Stddev	.00029	.00047	.0103	.00044	.00390	.0031	.00028	.00049	.00234	.00011
%RSD	3.5435	24.128	.18891	18.128	339.80	.03212	33.355	.09220	208.99	48.560
#1	.00843	-.00160	5.4356	-.00277	-.00161	9.6979	-.00065	.53516	-.00277	.00014
#2	.00801	-.00226	5.4502	-.00214	.00391	9.6935	-.00104	.53446	.00053	.00029
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00224	-.00070	.00139	.00275	.00505
Stddev	.00251	.02002	.00015	.00004	.00306
%RSD	112.05	2860.6	10.560	1.4958	60.687
#1	.00401	.01346	.00149	.00273	.00721
#2	.00046	-.01486	.00129	.00278	.00288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4026.8	59862.	4348.8
Stddev	7.0	11.	7.0
%RSD	.17315	.01907	.16024
#1	4031.7	59854.	4343.9
#2	4021.9	59870.	4353.8

Sample Name: 280-19441-a-6-a Acquired: 8/26/2011 1:13:14 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82736 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**-.00154**	**.00083**	**.04801**	**.57238**	**-.00014**	**.00102**	**211.80**	**-.00045**	**.00056**
Stddev	.00110	.00122	.00229	.00002	.00190	.00005	.00007	.58	.00002	.00020
%RSD	172.90	79.093	276.25	.04911	.33136	35.068	6.8766	.27547	3.9005	36.144
#1	.00142	-.00068	-.00079	.04800	.57103	-.00017	.00107	211.39	-.00046	.00070
#2	-.00014	-.00240	.00245	.04803	.57372	-.00010	.00097	212.21	-.00044	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00557**	**.00527**	**.01077**	**5.1148**	**.02958**	**51.205**	**.00105**	**.00229**	W **745.53**	**.00165**
Stddev	.00004	.00039	.00084	.0234	.00426	.059	.00002	.00002	.81	.00016
%RSD	.72632	7.4787	7.8401	.45771	14.413	.11601	2.3184	1.0844	.10902	9.5472
#1	.00560	.00499	.01017	5.1313	.02657	51.247	.00103	.00227	744.95	.00176
#2	.00554	.00555	.01137	5.0982	.03260	51.163	.00107	.00231	746.10	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08750**	**-.00189**	**25.004**	**-.00080**	**-.00366**	**8.4414**	**-.00109**	**3.1403**	**-.00213**	**-.00020**
Stddev	.00219	.00171	.037	.00021	.00063	.0155	.00036	.0077	.00094	.00089
%RSD	2.5044	90.848	.14897	26.526	17.345	.18313	33.067	.24568	44.257	438.55
#1	.08905	-.00067	25.030	-.00065	-.00321	8.4305	-.00135	3.1349	-.00146	-.00084
#2	.08595	-.00310	24.978	-.00095	-.00411	8.4524	-.00084	3.1458	-.00280	.00043
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00386**	**.02737**	**.00371**	**.00594**	**.00556**
Stddev	.00267	.00393	.00035	.00024	.00079
%RSD	69.203	14.367	9.3985	3.9786	14.154
#1	.00575	.02459	.00396	.00578	.00500
#2	.00197	.03015	.00346	.00611	.00611
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3699.8**	**53482.**	**4221.2**
Stddev	4.9	94.	18.8
%RSD	.13131	.17559	.44438
#1	3696.4	53415.	4234.4
#2	3703.2	53548.	4207.9

Sample Name: CCVH-940568 Acquired: 8/26/2011 1:16:42 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02116**	**49.842**	**-.00751**	**.00220**	**.00000**	**-.00017**	**1.0410**	**.03054**	**-.00115**	**.00216**	**-.00001**	**-.00169**	**50.511**
Stddev	.00008	.023	.00080	.00075	.00016	.00000	.0053	.00305	.00012	.00042	.00014	.00017	.124
%RSD	.38487	.04706	10.587	33.881	6394.9	1.9031	.51223	9.9792	10.621	19.378	1988.2	10.169	.24538
#1	-.02122	49.825	-.00807	.00273	.00011	-.00017	1.0372	.03269	-.00106	.00246	.00009	-.00157	50.423
#2	-.02110	49.859	-.00695	.00167	-.00011	-.00017	1.0448	.02838	-.00123	.00187	-.00011	-.00181	50.599
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27810**	**.00114**	**-.10751**	**.00114**	**-.00210**	**267.01**	**.00116**	**.00031**	**-.00049**	**5.0893**	**-.01012**	**.01226**	**.01236**
Stddev	.04247	.00181	.00591	.00009	.00032	.36	.00021	.00056	.00037	.0065	.00187	.00017	.01413
%RSD	15.272	158.55	5.4980	7.5733	15.408	.13360	17.715	181.24	75.466	.12693	18.472	1.3573	114.37
#1	.30814	-.00014	-.10333	.00120	-.00187	266.76	.00130	-.00009	-.00076	5.0939	-.01145	.01237	.02235
#2	.24807	.00242	-.11168	.00108	-.00233	267.26	.00101	.00070	-.00023	5.0848	-.00880	.01214	.00236
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00168**	**.00061**	**5.0678**	**.00168**	**.00266**	**10.659**	**-.00868**	**.00508**	**.01544**
Stddev	.00046	.00002	.0073	.00025	.00091	.038	.00010	.00045	.00502
%RSD	27.131	3.0565	.14407	14.727	34.330	.35486	1.1760	8.9257	32.528
#1	.00136	.00063	5.0730	.00151	.00202	10.632	-.00860	.00476	.01189
#2	.00201	.00060	5.0627	.00186	.00331	10.686	-.00875	.00541	.01900
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3853.9**	**57192.**	**4264.7**
Stddev	4.9	75.	6.8
%RSD	.12626	.13176	.15889
#1	3857.3	57245.	4269.5
#2	3850.4	57139.	4259.9

Sample Name: CCV-940591 Acquired: 8/26/2011 1:19:16 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53760**	**.52584**	**1.0309**	**.52019**	**.52411**	**.49646**	**.00533**	**4.9821**	**.52231**	**.51860**	**.51760**	**.52675**	**2.4448**
Stddev	.00063	.00018	.0025	.00070	.00087	.00042	.00248	.0001	.00037	.00113	.00097	.00097	.0084
%RSD	.11669	.03433	.23934	.13416	.16571	.08401	46.512	.00274	.06999	.21824	.18701	.18446	.34252
#1	.53804	.52597	1.0291	.52068	.52473	.49675	.00358	4.9822	.52256	.51940	.51828	.52743	2.4507
#2	.53715	.52571	1.0326	.51969	.52350	.49616	.00708	4.9820	.52205	.51780	.51692	.52606	2.4388
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.036**	**1.0154**	**20.869**	**.52068**	**.51644**	**5.4333**	**.51641**	**1.0142**	**1.0429**	**.00402**	**1.0264**	**1.0382**	**4.8426**
Stddev	.042	.0031	.014	.00059	.00191	.0052	.00087	.0019	.0036	.00056	.0054	.0013	.0137
%RSD	.08189	.30900	.06513	.11345	.36931	.09556	.16836	.18359	.34058	13.892	.52540	.12286	.28257
#1	51.066	1.0177	20.859	.52027	.51779	5.4297	.51702	1.0155	1.0454	.00363	1.0302	1.0391	4.8329
#2	51.007	1.0132	20.878	.52110	.51509	5.4370	.51579	1.0129	1.0404	.00442	1.0226	1.0373	4.8522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0302**	**.52195**	**-.00004**	**.51075**	**1.0568**	**.05670**	**.52717**	**.52186**	**.50079**
Stddev	.0029	.00019	.00172	.00033	.0003	.04357	.00145	.00146	.00013
%RSD	.28516	.03684	4204.8	.06445	.03208	76.844	.27517	.27940	.02675
#1	1.0323	.52209	.00117	.51098	1.0570	.02589	.52614	.52083	.50089
#2	1.0282	.52182	-.00125	.51051	1.0565	.08751	.52819	.52289	.50070
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3963.7**	**59113.**	**4312.7**
Stddev	10.4	88.	6.6
%RSD	.26244	.14947	.15298
#1	3956.3	59176.	4308.1
#2	3971.1	59051.	4317.4

Sample Name: CCB Acquired: 8/26/2011 1:21:39 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00106**	**.00271**	**.00144**	W **-.00078**	**-.00002**	**.00043**	**.00352**	**.00037**	**.00028**
Stddev	.00030	.00033	.00453	.00027	.00036	.00003	.00123	.00096	.00011	.00004
%RSD	76.123	31.698	167.26	18.494	46.490	120.74	284.31	27.300	30.658	16.144
#1	.00018	.00082	.00592	.00125	-.00104	-.00004	-.00044	.00420	.00029	.00024
#2	.00060	.00129	-.00050	.00163	-.00053	.00000	.00130	.00284	.00045	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit					.00058					
Low Limit					-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00030**	**-.00214**	**.07957**	F **.00893**	**.00021**	**-.00006**	**.00290**	F **.19916**	**-.00007**
Stddev	.00015	.00000	.00012	.02208	.00197	.00178	.00004	.00084	.01238	.00018
%RSD	412.24	1.2311	5.7220	27.746	22.043	834.79	62.342	28.831	6.2149	272.77
#1	-.00014	.00030	-.00205	.09518	.01032	-.00105	-.00003	.00231	.19041	-.00019
#2	.00007	.00031	-.00222	.06396	.00753	.00147	-.00008	.00349	.20791	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					.00522				.10000	
Low Limit					-.00522				-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00191**	**.00049**	**-.00111**	F **.00766**	W **.00858**	**-.00185**	**.00038**	**.00026**	**-.00187**	**.00026**
Stddev	.00239	.00023	.00560	.00207	.00058	.01067	.00023	.00001	.00267	.00010
%RSD	124.85	46.125	505.44	27.046	6.7107	576.74	61.051	2.3702	142.44	37.176
#1	-.00360	.00033	.00285	.00619	.00899	-.00939	.00054	.00027	-.00376	.00033
#2	-.00022	.00065	-.00507	.00912	.00818	.00569	.00021	.00026	.00001	.00019
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00628	.00486					
Low Limit				-.00628	-.00486					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.01791**	**.00003**	**.00141**	**.00192**
Stddev	.00121	.02638	.00002	.00032	.00053
%RSD	228.16	147.30	59.702	22.608	27.748
#1	-.00033	.03656	.00002	.00163	.00229
#2	.00139	-.00074	.00005	.00118	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4012.0**	**60474.**	**4294.1**
Stddev	3.4	203.	10.1
%RSD	.08470	.33591	.23408
#1	4009.6	60618.	4301.2
#2	4014.4	60330.	4287.0

Sample Name: CCVL942742 Acquired: 8/26/2011 1:24:17 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01089**	**.10830**	**.01551**	**.10386**	**.01007**	**.00091**	F **.13456**	**.20599**	**.00561**	**.01061**	**.01068**
Stddev	.00008	.00017	.00069	.00110	.00012	.00003	.00232	.00337	.00015	.00012	.00006
%RSD	.76088	.15682	4.4242	1.0552	1.2145	2.7851	1.7231	1.6339	2.7596	1.0916	.52435
#1	.01095	.10818	.01600	.10464	.00999	.00093	.13292	.20837	.00572	.01053	.01064
#2	.01083	.10842	.01503	.10309	.01016	.00089	.13620	.20361	.00550	.01070	.01072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01694**	**.09879**	**3.1771**	F **.01494**	**.21945**	**.01077**	**.02006**	W **1.2508**	**.04273**	**2.9096**	**.00932**
Stddev	.00007	.00223	.0120	.00368	.00288	.00003	.00000	.0040	.00006	.0006	.00170
%RSD	.38446	2.2531	.37794	24.643	1.3114	.30840	.00387	.32028	.13568	.02212	18.221
#1	.01699	.09722	3.1686	.01754	.21742	.01079	.02006	1.2536	.04277	2.9092	.00812
#2	.01690	.10037	3.1856	.01234	.22149	.01074	.02006	1.2480	.04269	2.9101	.01052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
Value				.01000				1.0000			
Range				30.000%				20.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00886**	**.01358**	**.47804**	**.10285**	**.01075**	**.01355**	**.01043**	W **.01946**	F **.09842**	**.01039**
Stddev	.00407	.00147	.00283	.00673	.00016	.00016	.00014	.00025	.00092	.02282	.00003
%RSD	662.30	16.624	20.841	1.4083	.15497	1.4710	1.0482	2.3557	4.7107	23.184	.33429
#1	.00349	.00781	.01558	.48280	.10297	.01064	.01365	.01061	.01881	.08229	.01037
#2	-.00226	.00990	.01158	.47328	.10274	.01086	.01345	.01026	.02010	.11456	.01042
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass
Value									.01500	.06000	
Range									20.000%	30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02274**	**.01771**
Stddev	.00035	.00187
%RSD	1.5585	10.557
#1	.02249	.01639
#2	.02299	.01903
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4084.1**	**61333.**	**4310.6**
Stddev	2.9	206.	9.6
%RSD	.07141	.33614	.22170
#1	4086.2	61188.	4303.9
#2	4082.0	61479.	4317.4

Sample Name: mb 280-82619/1-a Acquired: 8/26/2011 1:26:52 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82619 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00080**	**-.00108**	**.00116**	**-.00057**	**.00000**	**.00094**	**.00820**	**.00027**	**-.00010**
Stddev	.00015	.00129	.00103	.00034	.00012	.0001	.00101	.00001	.00026	.00003
%RSD	1556.5	161.64	95.677	29.379	21.675	4804.1	107.27	.18243	96.466	26.952
#1	.00010	-.00011	-.00181	.00092	-.00066	-.00005	.00023	.00819	.00045	-.00012
#2	-.00012	.00172	-.00035	.00140	-.00048	.00004	.00165	.00822	.00008	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00116**	**.00651**	**.05082**	**.00155**	**.00031**	**.00037**	**.00007**	**.16674**	**.00010**
Stddev	.00007	.00022	.00226	.00983	.00010	.00152	.00001	.00009	.00438	.00019
%RSD	536.44	19.096	34.672	19.335	6.1636	484.19	1.3766	127.48	2.6257	203.10
#1	-.00004	.00132	.00491	.04387	.00149	-.00076	.00036	.00001	.16365	-.00004
#2	.00006	.00101	.00810	.05777	.00162	.00139	.00037	.00013	.16984	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00278**	**-.00042**	**.00232**	**-.00046**	**-.00006**	**-.00602**	**.00067**	**.00022**	**-.00140**	**.00037**
Stddev	.00120	.00044	.00085	.00125	.00150	.01340	.00019	.00005	.00006	.00000
%RSD	43.277	104.49	36.689	269.28	2609.7	222.60	28.744	23.218	4.5010	.75813
#1	-.00364	-.00074	.00293	.00042	-.00112	-.01550	.00053	.00019	-.00136	.00037
#2	-.00193	-.00011	.00172	-.00134	.00100	.00346	.00081	.00026	-.00145	.00037
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00572**	**.00001**	**.00167**	**.00362**
Stddev	.00014	.00745	.00014	.00074	.00196
%RSD	22.225	130.27	2590.4	44.071	54.098
#1	.00055	.01099	-.00009	.00115	.00500
#2	.00075	.00045	.00010	.00219	.00223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4053.7**	**61460.**	**4373.2**
Stddev	2.9	69.	14.7
%RSD	.07130	.11224	.33532
#1	4055.8	61411.	4362.9
#2	4051.7	61509.	4383.6

Sample Name: lcs 280-82619/2-a Acquired: 8/26/2011 1:29:29 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82619 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05141**	**1.9647**	**1.0570**	**1.0073**	**2.1381**	**.05042**	F **2.4449**	**49.877**	**.10993**	**.51509**
Stddev	.00070	.0176	.0066	.0004	.0020	.00001	.0042	.086	.00046	.00124
%RSD	1.3579	.89634	.62113	.03476	.09267	.01892	.16981	.17283	.41527	.24164
#1	.05092	1.9771	1.0617	1.0075	2.1395	.05042	2.4478	49.938	.11025	.51597
#2	.05191	1.9522	1.0524	1.0070	2.1367	.05043	2.4419	49.816	.10961	.51421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21014**	**.27659**	**1.0288**	**52.404**	**1.0310**	**52.108**	**.52124**	**1.0411**	**55.354**	**.52171**
Stddev	.00057	.00049	.0010	.030	.0062	.064	.00033	.0037	.482	.00097
%RSD	.27029	.17834	.09691	.05759	.60419	.12287	.06295	.35754	.87064	.18529
#1	.21054	.27624	1.0295	52.426	1.0266	52.062	.52100	1.0437	55.014	.52239
#2	.20974	.27694	1.0281	52.383	1.0354	52.153	.52147	1.0385	55.695	.52102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.357**	**.51656**	**-.00548**	**.51678**	**2.0975**	**9.5876**	**2.0485**	**1.0659**	**1.0349**	**1.0458**
Stddev	.065	.00214	.00015	.00179	.0016	.0104	.0051	.0014	.0017	.0003
%RSD	.62561	.41424	2.7099	.34560	.07764	.10838	.24994	.13123	.16297	.02396
#1	10.403	.51808	-.00558	.51804	2.0963	9.5802	2.0521	1.0668	1.0337	1.0457
#2	10.311	.51505	-.00537	.51552	2.0986	9.5949	2.0449	1.0649	1.0361	1.0460
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0978**	**2.2306**	**.53761**	**.52021**	**.51441**
Stddev	.0059	.0084	.00160	.00073	.00161
%RSD	.28297	.37790	.29713	.14083	.31383
#1	2.1020	2.2366	.53874	.51969	.51555
#2	2.0936	2.2247	.53648	.52072	.51327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3911.9**	**58073.**	**4324.6**
Stddev	11.7	2.	3.9
%RSD	.29789	.00281	.08970
#1	3903.7	58072.	4321.8
#2	3920.2	58074.	4327.3

Sample Name: 280-19316-a-7-e Acquired: 8/26/2011 1:31:50 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82619 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00270**	**.00290**	**.00204**	**-.00067**	**-.00001**	**.00016**	**.01736**	**.00034**	**.00006**
Stddev	.00001	.00102	.00004	.00094	.00014	.00005	.00190	.00513	.00006	.00011
%RSD	7.1129	37.666	1.2711	46.012	21.071	812.34	1223.0	29.585	18.708	180.45
#1	-.00011	.00198	.00292	.00138	-.00077	-.00004	.00150	.02099	.00030	-.00002
#2	-.00010	.00342	.00287	.00270	-.00057	.00003	-.00119	.01373	.00039	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00123**	**.00203**	**.04941**	**.00448**	**.00246**	**.00121**	**.00474**	**.15263**	**.00012**
Stddev	.00001	.00018	.00354	.03178	.00197	.00288	.00007	.00145	.00696	.00014
%RSD	159.56	14.726	174.28	64.316	43.986	117.03	5.9003	30.496	4.5585	111.83
#1	.00000	.00136	-.00047	.02694	.00309	.00450	.00116	.00372	.15755	.00003
#2	.00001	.00110	.00454	.07188	.00588	.00042	.00126	.00576	.14771	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00474**	**-.00152**	**.00370**	**-.00116**	**.00817**	**.01874**	**.00060**	**.00029**	**-.00181**	**.00052**
Stddev	.00044	.00094	.00076	.00054	.00382	.03118	.00051	.00002	.00192	.00004
%RSD	9.2588	61.769	20.635	46.906	46.820	166.40	84.196	7.6541	106.11	7.0621
#1	.00505	-.00086	.00424	-.00154	.00546	.04078	.00096	.00027	-.00317	.00055
#2	.00443	-.00219	.00316	-.00077	.01087	-.00331	.00024	.00030	-.00045	.00050
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00134**	**.01281**	**-.00014**	**.00258**	**.00422**
Stddev	.00111	.00495	.00080	.00006	.00252
%RSD	82.840	38.600	554.81	2.2594	59.834
#1	.00055	.01631	.00042	.00262	.00243
#2	.00212	.00932	-.00071	.00254	.00600
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4072.7**	**61642.**	**4410.1**
Stddev	1.6	5.	13.3
%RSD	.03854	.00825	.30256
#1	4071.6	61638.	4400.6
#2	4073.8	61645.	4419.5

Sample Name: 280-19316-a-7-eSD@5 Acquired: 8/26/2011 1:34:27 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82619 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00003	.00100	-.00156	.00148	-.00007	-.00001	.00314	.01468	.00022	-.00009
Stddev	.00119	.00127	.00222	.00015	.00014	.00004	.00178	.00070	.00002	.00028
%RSD	4029.4	127.25	142.73	10.273	200.50	599.21	56.518	4.7399	7.9245	331.92
#1	.00081	.00010	.00001	.00138	.00003	.00002	.00440	.01517	.00021	.00012
#2	-.00087	.00190	-.00313	.00159	-.00016	-.00003	.00189	.01419	.00024	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	.00020	.05060	.00360	.00202	.00330	.00118	.00056	.11262	-.00039
Stddev	.00008	.00008	.00026	.02281	.00227	.00020	.00001	.00013	.00460	.00009
%RSD	135.26	36.752	.52146	633.06	112.38	5.9233	.47376	23.745	4.0827	23.107
#1	.00000	.00026	.05079	-.01252	.00362	.00344	.00118	.00046	.11587	-.00032
#2	-.00012	.00015	.05041	.01973	.00041	.00316	.00119	.00065	.10937	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00410	-.00051	.00428	-.00085	.00275	-.01009	-.00009	.00004	-.00125	.00011
Stddev	.00150	.00113	.00274	.00164	.00313	.00008	.00056	.00006	.00355	.00042
%RSD	36.596	223.30	63.955	192.29	113.59	.78589	593.91	143.12	285.11	375.79
#1	-.00304	.00029	.00234	-.00202	.00496	-.01004	-.00049	.00008	.00127	.00041
#2	-.00517	-.00130	.00621	.00031	.00054	-.01015	.00030	.00000	-.00376	-.00019
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00129	.05467	.00008	.00331	.00343
Stddev	.00108	.03680	.00012	.00035	.00217
%RSD	84.222	67.307	144.63	10.622	63.345
#1	.00052	.02865	.00016	.00356	.00189
#2	.00205	.08069	.00000	.00306	.00496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4054.0	61329.	4336.2
Stddev	3.5	79.	4.1
%RSD	.08716	.12945	.09374
#1	4056.5	61385.	4339.1
#2	4051.5	61273.	4333.3

Sample Name: 280-19316-a-7-f ms Acquired: 8/26/2011 1:37:05 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82619 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05105**	**1.9808**	**1.0555**	**1.0209**	**2.1379**	**.05061**	**2.4472**	**50.120**	**.10968**	**.51539**
Stddev	.00006	.0109	.0026	.0013	.0013	.00010	.0032	.062	.00044	.00047
%RSD	.12723	.54907	.24790	.12501	.05960	.20583	.13211	.12422	.39692	.09093
#1	.05110	1.9885	1.0574	1.0200	2.1370	.05054	2.4495	50.164	.10999	.51572
#2	.05101	1.9731	1.0537	1.0218	2.1388	.05069	2.4450	50.076	.10937	.51506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21055**	**.26510**	**.98690**	**52.439**	**1.0307**	**52.183**	**.52201**	**1.0586**	**54.816**	**.51136**
Stddev	.00055	.00004	.00587	.033	.0009	.027	.00041	.0037	.444	.00019
%RSD	.26191	.01347	.59485	.06257	.08384	.05217	.07815	.34603	.80916	.03796
#1	.21016	.26508	.99105	52.463	1.0301	52.202	.52172	1.0612	55.130	.51122
#2	.21094	.26513	.98275	52.416	1.0313	52.164	.52230	1.0561	54.503	.51150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.389**	**.52037**	**-.00756**	**.52222**	**2.1078**	**9.7541**	**2.0766**	**1.0673**	**1.0342**	**1.0553**
Stddev	.022	.00154	.00476	.00243	.0076	.0220	.0053	.0004	.0021	.0022
%RSD	.21091	.29565	62.934	.46487	.36011	.22567	.25705	.04242	.20296	.20680
#1	10.404	.52146	-.01093	.52394	2.1132	9.7386	2.0804	1.0676	1.0327	1.0538
#2	10.373	.51928	-.00420	.52050	2.1024	9.7697	2.0728	1.0669	1.0356	1.0569
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0930**	**2.2472**	**.53721**	**.52165**	**.52411**
Stddev	.0015	.0205	.00071	.00021	.00324
%RSD	.07173	.91056	.13227	.03942	.61771
#1	2.0941	2.2617	.53671	.52151	.52639
#2	2.0920	2.2327	.53771	.52180	.52182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3904.9**	**58173.**	**4343.9**
Stddev	4.6	33.	8.6
%RSD	.11655	.05740	.19749
#1	3908.1	58150.	4337.8
#2	3901.7	58197.	4349.9

Sample Name: 280-19316-a-7-g msd Acquired: 8/26/2011 1:39:27 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82619 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05055**	**1.9754**	**1.0597**	**.99618**	**2.1485**	**.05103**	**2.4475**	**50.334**	**.10991**	**.51508**
Stddev	.00019	.0157	.0045	.00187	.0117	.00010	.0056	.285	.00019	.00140
%RSD	.36652	.79655	.42512	.18748	.54301	.19276	.22871	.56547	.17206	.27209
#1	.05042	1.9865	1.0565	.99750	2.1402	.05096	2.4514	50.133	.11004	.51607
#2	.05068	1.9642	1.0629	.99486	2.1567	.05110	2.4435	50.535	.10977	.51409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20998**	**.26647**	**.98641**	**52.771**	**1.0366**	**52.294**	**.52328**	**1.0331**	**55.453**	**.51041**
Stddev	.00032	.00036	.00251	.189	.0008	.008	.00013	.0006	.253	.00131
%RSD	.15456	.13547	.25410	.35749	.07325	.01481	.02450	.05463	.45686	.25701
#1	.21021	.26622	.98464	52.637	1.0371	52.300	.52338	1.0327	55.274	.51134
#2	.20975	.26673	.98819	52.904	1.0361	52.289	.52319	1.0335	55.632	.50948
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.390**	**.52101**	**-.00537**	**.51066**	**2.1189**	**9.5295**	**2.0153**	**1.0750**	**1.0327**	**1.0273**
Stddev	.011	.00325	.00127	.00032	.0057	.0579	.0004	.0049	.0038	.0015
%RSD	.10651	.62418	23.691	.06306	.27004	.60792	.01797	.45134	.36951	.14571
#1	10.398	.52331	-.00627	.51089	2.1148	9.4885	2.0156	1.0716	1.0354	1.0284
#2	10.382	.51871	-.00447	.51044	2.1229	9.5704	2.0151	1.0785	1.0300	1.0263
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0968**	**2.2692**	**.53684**	**.52217**	**.51290**
Stddev	.0080	.0027	.00032	.00140	.00156
%RSD	.37933	.12003	.05882	.26747	.30405
#1	2.1025	2.2672	.53662	.52118	.51180
#2	2.0912	2.2711	.53707	.52315	.51401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3913.6**	**58244.**	**4335.6**
Stddev	11.0	3.	2.4
%RSD	.28117	.00525	.05422
#1	3905.9	58242.	4337.3
#2	3921.4	58246.	4334.0

Sample Name: 280-19316-a-12-c Acquired: 8/26/2011 1:41:48 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82619 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00663**	**.00388**	**.00375**	**-.00031**	**.00001**	**.00082**	**.03708**	**.00023**	**.00020**
Stddev	.00052	.00172	.00222	.00011	.00033	.00001	.00171	.00136	.00010	.00008
%RSD	271.31	25.991	57.148	2.8399	107.04	103.40	209.18	3.6596	43.352	40.228
#1	-.00056	.00541	.00232	.00368	-.00007	.00002	-.00039	.03612	.00030	.00014
#2	.00018	.00785	.00545	.00383	-.00054	.00000	.00203	.03804	.00016	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00182**	**.03716**	**.04851**	**.00562**	**.00742**	**.00203**	**.00535**	**.14168**	**.00047**
Stddev	.00026	.00004	.00498	.05528	.00198	.00052	.00000	.00188	.00846	.00025
%RSD	47.088	1.9949	13.399	113.97	35.167	6.9828	.13023	35.065	5.9718	53.077
#1	.00037	.00179	.04068	.08759	.00422	.00778	.00203	.00403	.14766	.00065
#2	.00074	.00184	.03364	.00942	.00702	.00705	.00203	.00668	.13569	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00474**	**-.00008**	**.00236**	**-.00191**	**.00766**	**.01061**	**.00084**	**.00017**	**.00024**	**.00080**
Stddev	.00562	.00112	.00169	.00069	.00448	.01218	.00142	.00007	.00036	.00016
%RSD	118.46	1473.5	71.434	36.225	58.437	114.79	167.90	42.955	149.56	20.506
#1	.00077	-.00087	.00117	-.00239	.00450	.01923	-.00016	.00022	-.00001	.00091
#2	.00872	.00072	.00355	-.00142	.01083	.00200	.00185	.00012	.00050	.00068
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00260**	**.03063**	**.00037**	**.00298**	**.00202**
Stddev	.00034	.01513	.00007	.00023	.00015
%RSD	13.019	49.390	19.147	7.8208	7.3667
#1	.00284	.04133	.00032	.00281	.00212
#2	.00236	.01994	.00042	.00314	.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4077.8**	**61750.**	**4399.3**
Stddev	1.9	58.	.6
%RSD	.04542	.09375	.01436
#1	4076.5	61709.	4399.7
#2	4079.1	61790.	4398.8

Sample Name: CCVH-940568 Acquired: 8/26/2011 1:44:29 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02136**	**50.711**	**-.00588**	**.00306**	**.00009**	**-.00016**	**1.0469**	**.03923**	**-.00123**	**.00193**	**.00018**	**-.00180**	**51.481**
Stddev	.00014	.058	.00133	.00008	.00021	.00002	.0030	.00236	.00022	.00003	.00016	.00005	.112
%RSD	.65313	.11411	22.551	2.4569	240.60	11.366	.28838	6.0061	18.034	1.6520	87.793	2.5219	.21661
#1	-.02126	50.670	-.00495	.00312	-.00006	-.00017	1.0447	.03757	-.00139	.00191	.00029	-.00177	51.560
#2	-.02146	50.752	-.00682	.00301	.00023	-.00014	1.0490	.04090	-.00107	.00195	.00007	-.00183	51.402
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18260**	**.00510**	**-.10582**	**.00154**	**-.00169**	**273.45**	**.00093**	**.00135**	**-.00032**	**5.1717**	**-.01003**	**.00971**	**.02082**
Stddev	.03453	.00059	.00190	.00003	.00004	.18	.00019	.00464	.00027	.0102	.00302	.00025	.00095
%RSD	18.910	11.472	1.7959	1.8490	2.6434	.06495	20.977	343.22	84.675	.19663	30.110	2.5975	4.5819
#1	.15819	.00469	-.10447	.00152	-.00172	273.32	.00079	-.00193	-.00013	5.1789	-.01216	.00989	.02015
#2	.20702	.00551	-.10716	.00156	-.00166	273.58	.00106	.00463	-.00052	5.1645	-.00789	.00953	.02150
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00099**	**.00071**	**5.1436**	**.00242**	**.00394**	**10.852**	**-.00913**	**.00689**	**.01175**
Stddev	.00000	.00009	.0061	.00015	.00138	.031	.00040	.00050	.00244
%RSD	.33240	13.039	.11929	6.1557	34.935	.28736	4.4212	7.2622	20.759
#1	.00099	.00077	5.1392	.00253	.00297	10.830	-.00941	.00724	.01003
#2	.00099	.00064	5.1479	.00232	.00492	10.874	-.00884	.00654	.01348
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3897.2**	**57158.**	**4290.3**
Stddev	5.7	117.	12.9
%RSD	.14528	.20471	.30129
#1	3901.2	57241.	4299.5
#2	3893.2	57076.	4281.2

Sample Name: CCV-940591 Acquired: 8/26/2011 1:47:02 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54182**	**.52758**	**1.0390**	**.52223**	**.52981**	**.50235**	**.00465**	**5.0271**	**.52593**	**.52147**	**.52005**	**.53083**	**2.4761**
Stddev	.00193	.00455	.0097	.00102	.00161	.00108	.00175	.0005	.00036	.00089	.00063	.00185	.0060
%RSD	.35604	.86176	.93705	.19599	.30481	.21450	37.752	.00992	.06831	.17052	.12028	.34813	.24060
#1	.54046	.52437	1.0459	.52151	.52867	.50158	.00589	5.0267	.52618	.52084	.51961	.52952	2.4803
#2	.54318	.53080	1.0322	.52296	.53095	.50311	.00341	5.0274	.52567	.52209	.52050	.53213	2.4719
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.588**	**1.0236**	**21.068**	**.52495**	**.51944**	**5.4028**	**.51854**	**1.0144**	**1.0474**	**-.00063**	**1.0337**	**1.0444**	**4.8718**
Stddev	.048	.0024	.036	.00084	.00175	.0001	.00020	.0025	.0046	.00049	.0034	.0000	.0159
%RSD	.09277	.23296	.17194	.16062	.33740	.00185	.03772	.24760	.43480	77.451	.32580	.00302	.32653
#1	51.554	1.0219	21.042	.52435	.52068	5.4029	.51867	1.0127	1.0506	-.00028	1.0313	1.0443	4.8831
#2	51.622	1.0253	21.093	.52554	.51820	5.4028	.51840	1.0162	1.0441	-.00097	1.0361	1.0444	4.8606
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0381**	**.52740**	**-.00183**	**.51351**	**1.0586**	**.04800**	**.53013**	**.52571**	**.51089**
Stddev	.0009	.00001	.00060	.00010	.0014	.00831	.00027	.00067	.00161
%RSD	.08545	.00197	32.972	.02007	.13705	17.305	.05161	.12685	.31517
#1	1.0387	.52741	-.00140	.51358	1.0576	.05387	.52994	.52524	.50975
#2	1.0375	.52740	-.00226	.51344	1.0596	.04213	.53033	.52618	.51203
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3989.1**	**59186.**	**4307.2**
Stddev	2.4	114.	12.6
%RSD	.05899	.19331	.29162
#1	3987.4	59267.	4298.4
#2	3990.8	59105.	4316.1

Sample Name: CCB Acquired: 8/26/2011 1:49:25 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**-.00109**	**.00195**	W **.00227**	**-.00027**	**-.00002**	**.00112**	**.00203**	**.00035**	**.00001**	**.00038**
Stddev	.00015	.00153	.00386	.00061	.00016	.00004	.00041	.00361	.00006	.00010	.00048
%RSD	84.931	140.55	197.63	26.862	58.364	263.96	36.331	178.04	16.138	700.41	128.45
#1	-.00007	-.00217	-.00078	.00184	-.00038	.00001	.00141	.00459	.00031	-.00006	.00003
#2	-.00028	-.00001	.00468	.00270	-.00016	-.00005	.00083	-.00053	.00039	.00008	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**-.00010**	**.07087**	F **.00564**	**.00080**	**-.00005**	**.00307**	F **.12187**	**.00011**	**-.00108**	**-.00109**
Stddev	.00049	.00131	.03656	.00125	.00025	.00003	.00057	.00210	.00000	.00187	.00147
%RSD	71.988	1335.9	51.585	22.147	31.316	51.122	18.438	1.7208	.14183	172.08	134.71
#1	.00033	.00083	.09672	.00475	.00098	-.00007	.00267	.12039	.00011	.00024	-.00005
#2	.00102	-.00102	.04502	.00652	.00063	-.00003	.00347	.12336	.00011	-.00240	-.00213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.00522				.10000			
Low Limit				-.00522				-.10000			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00307**	F **.00640**	W **.00515**	**.00249**	**.00155**	**.00011**	**.00021**	**.00024**	**.00218**	**.01639**	**-.00005**
Stddev	.00513	.00238	.00018	.00399	.00051	.00003	.00101	.00020	.00009	.00347	.00028
%RSD	167.14	37.257	3.5836	160.53	32.640	24.776	481.17	83.723	4.2222	21.189	607.72
#1	-.00056	.00471	.00502	-.00034	.00120	.00009	-.00051	.00010	.00211	.01884	.00015
#2	.00670	.00808	.00528	.00531	.00191	.00013	.00093	.00039	.00224	.01393	-.00024
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00158**	**.00103**
Stddev	.00013	.00279
%RSD	7.9434	270.55
#1	.00149	-.00094
#2	.00167	.00300
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4000.8**	**60403.**	**4293.2**
Stddev	10.5	126.	14.9
%RSD	.26257	.20928	.34600
#1	3993.3	60313.	4282.7
#2	4008.2	60492.	4303.7

Sample Name: CCVL942742 Acquired: 8/26/2011 1:52:02 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01112**	**.10806**	**.01420**	**.10259**	**.01011**	**.00093**	F **.13019**	**.20458**	**.00562**	**.01056**	**.01073**
Stddev	.00020	.00145	.00126	.00042	.00010	.00002	.00214	.00262	.00002	.00015	.00023
%RSD	1.7940	1.3385	8.8922	.40506	1.0092	1.6638	1.6456	1.2809	.42458	1.4500	2.1293
#1	.01126	.10704	.01510	.10288	.01004	.00094	.13171	.20643	.00564	.01067	.01089
#2	.01098	.10908	.01331	.10230	.01018	.00092	.12868	.20273	.00561	.01046	.01056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01716**	**.09554**	**3.1790**	**.00882**	**.22042**	**.01077**	**.02009**	**1.1865**	**.04244**	**2.9040**	**.00840**
Stddev	.00016	.00136	.0125	.00075	.00143	.00014	.00004	.0035	.00024	.0043	.00045
%RSD	.94305	1.4216	.39306	8.4747	.64795	1.2677	.21979	.29831	.56921	.14644	5.3932
#1	.01727	.09458	3.1878	.00935	.21941	.01067	.02006	1.1840	.04261	2.9070	.00872
#2	.01704	.09650	3.1701	.00829	.22143	.01086	.02012	1.1890	.04227	2.9010	.00808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00055**	**.01140**	**.01524**	**.46887**	**.10252**	**.01074**	**.01346**	**.01031**	W **.01806**	F **.08165**	**.01002**
Stddev	.00558	.00130	.00445	.02350	.00026	.00005	.00061	.00087	.00163	.03598	.00046
%RSD	1005.2	11.395	29.199	5.0116	.24959	.46551	4.5429	8.4564	9.0002	44.062	4.5542
#1	.00339	.01048	.01839	.45226	.10270	.01078	.01389	.00970	.01921	.05621	.00970
#2	-.00450	.01232	.01210	.48549	.10234	.01071	.01303	.01093	.01691	.10709	.01034
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass
Value									.01500	.06000	
Range									20.000%	30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02290**	F **.02087**
Stddev	.00018	.00080
%RSD	.78461	3.8417
#1	.02303	.02030
#2	.02277	.02143
Check ?	Chk Pass	Chk Fail
Value		.01500
Range		30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4096.0**	**61283.**	**4346.5**
Stddev	1.2	147.	9.2
%RSD	.02830	.23990	.21073
#1	4095.2	61387.	4352.9
#2	4096.8	61179.	4340.0

Sample Name: mb 280-82547/1-a Acquired: 8/26/2011 1:54:36 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82547 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00027	.00078	.00038	.00122	F .02888	-.00001	-.00118	.04231	.00025	-.00028
Stddev	.00036	.00060	.00105	.00007	.00001	.00003	.00052	.00164	.00007	.00034
%RSD	134.07	76.989	274.30	5.8425	.02965	410.98	43.890	3.8759	26.278	123.11
#1	-.00001	.00121	-.00036	.00117	.02887	.00001	-.00155	.04116	.00021	-.00052
#2	-.00052	.00036	.00112	.00127	.02888	-.00003	-.00081	.04347	.00030	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.01000					
Low Limit					-.01000					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00025	.00117	F .65596	.01921	.00190	.00241	.00199	.00013	.08785	-.00006
Stddev	.00003	.00008	.00288	.04195	.00013	.00041	.00004	.00028	.00934	.00011
%RSD	11.910	6.8365	.43919	218.40	6.6899	16.797	2.1169	211.43	10.631	193.12
#1	.00023	.00112	.65800	-.01045	.00181	.00213	.00196	-.00006	.08125	.00002
#2	.00027	.00123	.65393	.04887	.00200	.00270	.00202	.00033	.09446	-.00014
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000							
Low Limit			-.10000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00031	-.00133	.00820	-.00096	.00093	-.00132	.00000	.00070	-.00170	.00025
Stddev	.00208	.00077	.00502	.00103	.00255	.00305	.00037	.00001	.00159	.00027
%RSD	667.13	58.145	61.169	107.87	275.52	231.89	77396.	.79187	93.799	107.17
#1	.00116	-.00078	.01175	-.00169	.00273	-.00348	-.00026	.00069	-.00282	.00045
#2	-.00178	-.00187	.00465	-.00023	-.00088	.00084	.00026	.00070	-.00057	.00006
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00020	.02696	-.00039	.00177	.00428
Stddev	.00101	.00573	.00022	.00030	.00320
%RSD	515.07	21.264	56.301	16.905	74.798
#1	.00052	.02291	-.00054	.00198	.00655
#2	-.00091	.03101	-.00023	.00156	.00202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4074.3	61637.	4382.5
Stddev	6.8	56.	2.9
%RSD	.16776	.09073	.06603
#1	4079.1	61677.	4384.6
#2	4069.4	61598.	4380.5

Sample Name: lcs 280-82547/2-a Acquired: 8/26/2011 1:57:16 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82547 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05088**	**1.9414**	**1.0434**	**1.0079**	**2.1120**	**.04980**	F **2.4046**	**49.111**	**.10844**	**.50572**
Stddev	.00027	.0241	.0011	.0003	.0024	.00002	.0075	.034	.00028	.00192
%RSD	.53624	1.2403	.10586	.03386	.11222	.03487	.30998	.06896	.25483	.37918
#1	.05068	1.9584	1.0426	1.0082	2.1137	.04979	2.4099	49.135	.10864	.50708
#2	.05107	1.9244	1.0442	1.0077	2.1103	.04981	2.3993	49.087	.10825	.50436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20621**	**.26323**	**.97917**	**51.916**	**1.0220**	**51.761**	**.51628**	**1.0410**	**54.538**	**.50205**
Stddev	.00093	.00089	.00240	.058	.0005	.046	.00014	.0038	.090	.00171
%RSD	.45124	.33802	.24545	.11144	.05069	.08904	.02738	.36532	.16585	.34122
#1	.20686	.26386	.98087	51.956	1.0216	51.794	.51638	1.0437	54.602	.50326
#2	.20555	.26261	.97747	51.875	1.0223	51.729	.51618	1.0384	54.474	.50084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.194**	**.51136**	**-.01287**	**.51540**	**2.0747**	**9.5333**	**2.0431**	**1.0553**	**1.0218**	**1.0430**
Stddev	.045	.00097	.00439	.00210	.0016	.0426	.0028	.0002	.0022	.0018
%RSD	.44027	.18997	34.088	.40782	.07840	.44641	.13911	.01551	.21940	.17228
#1	10.226	.51068	-.00977	.51689	2.0735	9.5032	2.0451	1.0554	1.0234	1.0443
#2	10.162	.51205	-.01597	.51391	2.0758	9.5634	2.0411	1.0551	1.0202	1.0418
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0577**	**2.1967**	**.53259**	**.51691**	**.51171**
Stddev	.0074	.0041	.00258	.00183	.00500
%RSD	.35950	.18781	.48507	.35345	.97626
#1	2.0629	2.1996	.53442	.51820	.50818
#2	2.0524	2.1938	.53077	.51561	.51524
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3928.0**	**57963.**	**4336.1**
Stddev	11.4	79.	7.4
%RSD	.29004	.13604	.17038
#1	3919.9	57907.	4330.9
#2	3936.0	58018.	4341.4

Sample Name: lcsd 280-82547/3-a Acquired: 8/26/2011 1:59:38 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82547 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05123**	**1.9549**	**1.0615**	**1.0264**	**2.1502**	**.05092**	F **2.4514**	**50.176**	**.10993**	**.51487**
Stddev	.00062	.0071	.0056	.0012	.0050	.00000	.0025	.083	.00022	.00080
%RSD	1.2177	.36393	.52540	.11347	.23144	.00157	.10238	.16558	.20006	.15553
#1	.05079	1.9599	1.0576	1.0256	2.1467	.05092	2.4496	50.117	.10977	.51543
#2	.05167	1.9499	1.0655	1.0272	2.1537	.05092	2.4531	50.235	.11009	.51430
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21034**	**.26776**	**1.0268**	**52.832**	**1.0368**	**52.451**	**.52494**	**1.0659**	**54.932**	**.51022**
Stddev	.00038	.00110	.0075	.091	.0002	.104	.00049	.0012	.346	.00006
%RSD	.17901	.41140	.72770	.17168	.01826	.19907	.09323	.11477	.63058	.01134
#1	.21007	.26699	1.0321	52.768	1.0370	52.377	.52459	1.0668	55.177	.51018
#2	.21060	.26854	1.0215	52.896	1.0367	52.525	.52529	1.0650	54.687	.51026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.364**	**.51867**	**-.00813**	**.52784**	**2.1175**	**9.8001**	**2.0791**	**1.0738**	**1.0371**	**1.0610**
Stddev	.001	.00165	.00208	.00308	.0038	.0580	.0036	.0018	.0036	.0007
%RSD	.00986	.31767	25.620	.58334	.18029	.59153	.17131	.16729	.34966	.06279
#1	10.365	.51751	-.00961	.52566	2.1202	9.7591	2.0816	1.0726	1.0345	1.0606
#2	10.363	.51984	-.00666	.53002	2.1148	9.8411	2.0765	1.0751	1.0396	1.0615
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0927**	**2.2897**	**.53841**	**.52293**	**.52523**
Stddev	.0014	.0029	.00149	.00112	.00280
%RSD	.06431	.12903	.27712	.21394	.53236
#1	2.0937	2.2876	.53736	.52214	.52721
#2	2.0918	2.2918	.53947	.52373	.52325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3936.9**	**58291.**	**4346.7**
Stddev	2.9	83.	18.1
%RSD	.07463	.14218	.41676
#1	3934.8	58232.	4359.5
#2	3939.0	58349.	4333.9

Sample Name: 280-19378-a-1-b Acquired: 8/26/2011 2:01:58 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82547 6010B

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01120**	**2.5127**	W **3.0128**	**.01787**	**1.6030**	**.39255**	**.00012**	**.00624**	**87.302**	**.00518**
Stddev	.00011	.0091	.0330	.00263	.0010	.00031	.00004	.00091	.177	.00023
%RSD	.96147	.36185	1.0942	14.707	.06520	.07889	37.005	14.549	.20280	4.5260
#1	.01128	2.5192	3.0361	.01601	1.6022	.39233	.00009	.00688	87.177	.00501
#2	.01112	2.5063	2.9895	.01973	1.6037	.39277	.00015	.00559	87.427	.00534
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00							
Low Limit			4.0000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00772**	**.04338**	**.73297**	**10.726**	F **578.76**	**.06691**	**40.290**	**.77094**	**.05037**	W **1463.0**
Stddev	.00030	.00016	.00011	.021	.14	.00545	.064	.00091	.00148	5.1
%RSD	3.8922	.37615	.01464	.19337	.02453	8.1492	.15894	.11779	2.9304	.34767
#1	.00751	.04327	.73304	10.712	578.86	.06305	40.245	.77030	.04932	1459.4
#2	.00794	.04350	.73289	10.741	578.66	.07077	40.335	.77158	.05141	1466.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					500.00					500.00
Low Limit					-2.0000					10.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04592**	**1.3476**	**.15485**	**129.22**	**.00268**	**.01388**	**11.137**	**.02534**	**.79685**	**-.00009**
Stddev	.00020	.0011	.00077	.00	.00206	.00729	.007	.00077	.00170	.00070
%RSD	.43504	.08333	.49506	.00191	76.772	52.509	.06557	3.0192	.21387	811.88
#1	.04606	1.3468	.15431	129.23	.00414	.00873	11.132	.02588	.79565	.00041
#2	.04577	1.3484	.15539	129.22	.00123	.01903	11.143	.02480	.79806	-.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07643**	**.00345**	**.01275**	**.00166**	**1.3344**	**.01027**
Stddev	.00025	.00117	.01077	.00002	.0026	.00150
%RSD	.32668	33.789	84.473	1.2282	.19535	14.647
#1	.07626	.00263	.02037	.00168	1.3326	.01133
#2	.07661	.00428	.00514	.00165	1.3363	.00921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3690.6**	**52621.**	**4355.1**
Stddev	9.3	187.	1.3
%RSD	.25307	.35521	.02892
#1	3697.2	52753.	4354.2
#2	3684.0	52489.	4356.0

Sample Name: 280-19378-a-1-bSD@5 Acquired: 8/26/2011 2:05:21 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82547 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00147**	**.57431**	**.00449**	**.34000**	**.07945**	**-.00002**	**.00005**	**17.688**	**.00126**	**.00144**
Stddev	.00064	.00577	.00004	.00041	.00042	.00009	.00027	.029	.00004	.00034
%RSD	43.449	1.0055	.89957	.11915	.53286	551.29	486.87	.16168	2.7690	23.736
#1	.00102	.57839	.00446	.33971	.07915	.00005	.00024	17.708	.00129	.00120
#2	.00192	.57023	.00452	.34029	.07975	-.00008	-.00013	17.667	.00124	.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00903**	**.15071**	**2.1815**	W **117.94**	**.01702**	**8.4374**	**.15626**	**.00972**	**293.66**	**.00949**
Stddev	.00008	.00002	.0098	.14	.00329	.0154	.00042	.00010	1.26	.00055
%RSD	.87221	.01629	.45132	.12259	19.328	.18209	.26928	.98555	.42880	5.8303
#1	.00897	.15069	2.1885	118.04	.01469	8.4483	.15656	.00979	294.55	.00910
#2	.00908	.15073	2.1746	117.84	.01935	8.4266	.15597	.00966	292.77	.00989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26714**	**.03172**	**25.550**	**-.00138**	**-.00094**	**2.2017**	**.00396**	**.16227**	**-.00115**	**.01512**
Stddev	.00348	.00014	.014	.00187	.00093	.0158	.00046	.00073	.00036	.00006
%RSD	1.3023	.43457	.05369	135.57	98.977	.71775	11.732	.44711	31.035	.40602
#1	.26468	.03162	25.540	-.00006	-.00028	2.1905	.00363	.16278	-.00090	.01508
#2	.26960	.03181	25.560	-.00269	-.00159	2.2129	.00429	.16176	-.00140	.01517
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00238**	**.04947**	**.00021**	**.27174**	**.00358**
Stddev	.00161	.02688	.00005	.00003	.00147
%RSD	67.690	54.339	22.957	.01282	40.883
#1	.00352	.03046	.00018	.27171	.00255
#2	.00124	.06848	.00024	.27176	.00462
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3850.7**	**56212.**	**4310.5**
Stddev	2.5	91.	10.6
%RSD	.06555	.16245	.24681
#1	3852.5	56277.	4302.9
#2	3848.9	56148.	4318.0

Sample Name: CCVH-940568 Acquired: 8/26/2011 2:08:02 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02094**	**49.426**	**-.00796**	**.00388**	**-.00049**	**-.00019**	**1.0329**	**.02828**	**-.00105**	**.00198**	**.00020**	**-.00136**	**50.219**
Stddev	.00004	.068	.00357	.00060	.00044	.00004	.0036	.00209	.00007	.00005	.00015	.00010	.083
%RSD	.21479	.13671	44.814	15.422	90.810	19.573	.34679	7.3937	6.2198	2.3717	77.359	7.3696	.16618
#1	-.02097	49.474	-.00544	.00346	-.00017	-.00016	1.0303	.02976	-.00100	.00202	.00030	-.00129	50.278
#2	-.02091	49.378	-.01048	.00431	-.00080	-.00022	1.0354	.02680	-.00109	.00195	.00009	-.00143	50.160
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.57897**	**.00368**	**-.10556**	**.00060**	**-.00201**	**268.25**	**.00086**	**.00339**	**.00081**	**5.0791**	**-.01069**	**.01033**	**.03242**
Stddev	.05133	.00008	.00013	.00002	.00031	.10	.00042	.00209	.00228	.0106	.00220	.00344	.01248
%RSD	8.8656	2.0487	.12584	2.8095	15.479	.03721	47.998	61.550	281.92	.20816	20.558	33.324	38.503
#1	.54267	.00374	-.10566	.00061	-.00223	268.32	.00116	.00487	.00242	5.0716	-.01224	.00789	.02359
#2	.61527	.00363	-.10547	.00059	-.00179	268.18	.00057	.00192	-.00080	5.0866	-.00913	.01276	.04125
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00125**	**.00055**	**5.0396**	**.00153**	**.00428**	**10.571**	**-.00813**	**.00477**	**.01096**
Stddev	.00074	.00004	.0002	.00053	.00205	.024	.00016	.00036	.00221
%RSD	59.075	7.9721	.00465	34.493	47.881	.22713	1.9606	7.6502	20.216
#1	.00177	.00058	5.0398	.00115	.00283	10.554	-.00801	.00451	.01252
#2	.00073	.00052	5.0395	.00190	.00572	10.588	-.00824	.00502	.00939
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3885.2**	**57188.**	**4307.0**
Stddev	5.5	240.	1.1
%RSD	.14080	.41985	.02477
#1	3889.1	57018.	4306.2
#2	3881.4	57358.	4307.7

Sample Name: CCV-940591 Acquired: 8/26/2011 2:10:36 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54365**	**.52687**	**1.0437**	**.52560**	**.53173**	**.50384**	**.00307**	**5.0192**	**.52739**	**.51991**	**.51904**	**.53239**
Stddev	.00071	.00286	.0002	.00110	.00045	.00025	.00096	.0012	.00063	.00124	.00101	.00170
%RSD	.13101	.54260	.01699	.20947	.08395	.04886	31.363	.02395	.11947	.23838	.19380	.31915
#1	.54315	.52485	1.0436	.52482	.53205	.50366	.00239	5.0183	.52783	.51903	.51833	.53359
#2	.54415	.52889	1.0439	.52638	.53142	.50401	.00376	5.0200	.52694	.52078	.51975	.53119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4739**	**51.888**	**1.0337**	**21.083**	**.52728**	**.52148**	F **5.6080**	**.51846**	**1.0092**	**1.0499**	**.00111**	**1.0378**
Stddev	.0051	.034	.0027	.013	.00057	.00074	.0143	.00078	.0007	.0019	.00365	.0009
%RSD	.20565	.06591	.26038	.06239	.10850	.14233	.25485	.14962	.06760	.18101	328.18	.08392
#1	2.4703	51.864	1.0356	21.074	.52687	.52200	5.5979	.51901	1.0097	1.0513	.00369	1.0372
#2	2.4775	51.912	1.0318	21.092	.52768	.52095	5.6182	.51791	1.0087	1.0486	-.00147	1.0385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0410**	**4.9039**	**1.0367**	**.52997**	**.00034**	**.51491**	**1.0543**	**.03596**	**.53364**	**.52676**	**.51161**
Stddev	.0003	.0126	.0001	.00061	.00090	.00052	.0013	.01340	.00102	.00035	.00006
%RSD	.03257	.25662	.00859	.11484	263.34	.10123	.12075	37.269	.19023	.06720	.01087
#1	1.0407	4.8950	1.0367	.52954	-.00030	.51527	1.0534	.02649	.53292	.52701	.51157
#2	1.0412	4.9128	1.0366	.53040	.00098	.51454	1.0552	.04544	.53436	.52651	.51165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3984.3**	**58981.**	**4316.8**
Stddev	3.3	211.	13.1
%RSD	.08181	.35760	.30347
#1	3986.6	59130.	4326.1
#2	3982.0	58832.	4307.6

Sample Name: CCB Acquired: 8/26/2011 2:12:58 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**-.00109**	**.00120**	W **.00284**	W **-.00067**	**-.00006**	**.00014**	**.00529**	**.00034**	**.00016**
Stddev	.00016	.00085	.00043	.00010	.00039	.00011	.00044	.00122	.00040	.00035
%RSD	46.004	78.677	35.613	3.6330	58.185	191.60	311.70	23.030	118.62	210.71
#1	.00023	-.00048	.00150	.00292	-.00039	-.00014	-.00017	.00615	.00005	-.00008
#2	.00045	-.00169	.00090	.00277	-.00094	.00002	.00045	.00442	.00062	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156	.00058					
Low Limit				-.00156	-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00093**	**-.00076**	**.20637**	W **.00509**	**-.00087**	**.00000**	**.00292**	F **.21995**	**-.00005**
Stddev	.00033	.00011	.00054	.00932	.00184	.00435	.0000	.00064	.01816	.00000
%RSD	105.47	11.851	71.608	4.5153	36.132	497.54	30.359	22.082	8.2577	.65441
#1	.00008	.00085	-.00114	.19979	.00640	.00220	-.00001	.00246	.23279	-.00005
#2	.00054	.00101	-.00037	.21296	.00379	-.00395	.00000	.00337	.20711	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					.00261				.10000	
Low Limit					-.00261				-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00139**	W **-.00265**	**.00187**	F **.00683**	W **.00531**	**.00303**	**.00101**	W **.00035**	**-.00088**	**.00028**
Stddev	.00082	.00040	.00161	.00041	.00008	.01084	.00124	.00003	.00020	.00012
%RSD	59.002	15.185	86.477	5.9853	1.4248	357.44	123.26	8.6201	22.511	41.607
#1	-.00081	-.00237	.00073	.00654	.00526	-.00463	.00013	.00033	-.00074	.00020
#2	-.00196	-.00294	.00301	.00712	.00537	.01070	.00188	.00037	-.00102	.00036
Check ?	Chk Pass	Chk Warn	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit		.00261		.00628	.00486			.00030		
Low Limit		-.00261		-.00628	-.00486			-.00030		

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**.01412**	**.00037**	**.00198**	W **.00453**
Stddev	.00127	.02457	.00003	.00008	.00239
%RSD	168.96	173.95	8.9463	3.9371	52.751
#1	-.00015	-.00325	.00034	.00193	.00284
#2	.00165	.03150	.00039	.00204	.00622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					.00238
Low Limit					-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4001.5**	**60470.**	**4266.4**
Stddev	.6	102.	14.2
%RSD	.01431	.16919	.33222
#1	4001.1	60398.	4256.4
#2	4001.9	60543.	4276.4

Sample Name: CCVL942742 Acquired: 8/26/2011 2:15:34 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01030**	**.10638**	**.01432**	**.10440**	**.01069**	**.00095**	F **.13462**	**.20449**	**.00555**	**.01063**	**.01044**
Stddev	.00006	.00257	.00042	.00043	.00007	.00009	.00092	.00658	.00006	.00013	.00011
%RSD	.57251	2.4186	2.9207	.41338	.62566	9.3551	.68227	3.2200	1.1511	1.2025	1.0762
#1	.01034	.10820	.01462	.10409	.01074	.00089	.13527	.20914	.00551	.01072	.01036
#2	.01026	.10456	.01403	.10470	.01065	.00101	.13397	.19983	.00560	.01054	.01052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01705**	**.09716**	**3.2254**	F **.01321**	**.21900**	**.01091**	**.02079**	W **1.2760**	**.04255**	**2.9198**	**.01032**
Stddev	.00036	.00026	.0403	.00133	.00168	.00010	.00046	.0065	.00002	.0030	.00050
%RSD	2.1327	.26491	1.2484	10.040	.76742	.92567	2.1889	.50912	.04860	.10238	4.8169
#1	.01680	.09698	3.1969	.01227	.22019	.01084	.02047	1.2714	.04254	2.9177	.01067
#2	.01731	.09734	3.2539	.01415	.21781	.01098	.02111	1.2806	.04257	2.9220	.00996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
Value				.01000				1.0000			
Range				30.000%				20.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00583**	**.00861**	**.01570**	**.46156**	**.10339**	**.01075**	**.01279**	**.01057**	W **.01943**	F **.08857**	**.01017**
Stddev	.00065	.00200	.00046	.00186	.00093	.00015	.00158	.00016	.00034	.02397	.00060
%RSD	11.155	23.258	2.9328	.40268	.89758	1.3905	12.384	1.4870	1.7588	27.065	5.9305
#1	.00537	.00719	.01603	.46025	.10273	.01064	.01167	.01046	.01919	.10552	.00974
#2	.00629	.01002	.01538	.46288	.10404	.01085	.01391	.01068	.01968	.07162	.01060
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass
Value									.01500	.06000	
Range									20.000%	30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02308**	F **.02060**
Stddev	.00033	.00020
%RSD	1.4448	.96906
#1	.02285	.02046
#2	.02332	.02075
Check ?	Chk Pass	Chk Fail
Value		.01500
Range		30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4081.3**	**61417.**	**4324.4**
Stddev	10.3	3.	4.3
%RSD	.25317	.00456	.09849
#1	4088.6	61419.	4321.4
#2	4073.9	61415.	4327.4

Sample Name: 280-19378-a-2-b Acquired: 8/26/2011 2:18:10 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82547 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00630**	**7.0067**	**.00724**	**.91745**	**.76622**	**.00044**	**-.00088**	**152.55**	**.01015**	**.00983**
Stddev	.00039	.0542	.00044	.00001	.00190	.00008	.00118	.44	.00014	.00003
%RSD	6.1105	.77328	6.0333	.00072	.24862	19.213	134.03	.28551	1.4114	.25776
#1	.00603	7.0450	.00755	.91745	.76757	.00038	-.00171	152.86	.01025	.00984
#2	.00658	6.9684	.00693	.91744	.76488	.00050	-.00005	152.24	.01005	.00981
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15045**	**1.3166**	**33.309**	W **287.31**	**.21944**	**56.553**	**2.0606**	**.03878**	W **1019.8**	**.05816**
Stddev	.00014	.0025	.043	.88	.00299	.077	.0036	.00015	.1	.00020
%RSD	.08988	.18910	.13041	.30508	1.3643	.13640	.17507	.38102	.00848	.33614
#1	.15035	1.3149	33.340	287.93	.22156	56.498	2.0581	.03888	1019.9	.05830
#2	.15054	1.3184	33.279	286.69	.21733	56.607	2.0632	.03867	1019.8	.05802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7281**	**.30089**	**508.38**	**.01002**	**.00683**	**14.977**	**.46763**	**1.8878**	**-.00056**	**.09788**
Stddev	.0022	.00159	.64	.00003	.00217	.074	.00133	.0042	.00083	.00012
%RSD	.12949	.52944	.12586	.31041	31.807	.49528	.28538	.22364	149.35	.12623
#1	1.7297	.29977	508.83	.01005	.00529	15.029	.46669	1.8908	.00003	.09797
#2	1.7266	.30202	507.93	.01000	.00837	14.924	.46858	1.8848	-.00114	.09779
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00316**	**.05043**	W **-.01529**	**2.9756**	**.01160**
Stddev	.00066	.01299	.00059	.0078	.00158
%RSD	20.927	25.752	3.8311	.26239	13.648
#1	.00269	.04124	-.01487	2.9701	.01272
#2	.00363	.05961	-.01570	2.9811	.01048
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit			45.000		
Low Limit			-.01000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3694.2**	**53029.**	**4327.7**
Stddev	3.5	140.	15.2
%RSD	.09404	.26441	.35100
#1	3691.7	53128.	4338.4
#2	3696.6	52929.	4316.9

Sample Name: 280-19378-a-3-b Acquired: 8/26/2011 2:21:31 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82547 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00179**	**6.8957**	F **-.10520**	**1.1429**	**.16584**	**.00055**	**.05517**	**131.58**	**.02155**	**.02108**
Stddev	.00105	.0339	.00232	.0014	.00005	.00000	.00046	.14	.00008	.00013
%RSD	58.798	.49125	2.2066	.12479	.02972	.67090	.83452	.10533	.36001	.61142
#1	.00105	6.8718	-.10685	1.1419	.16588	.00055	.05550	131.68	.02149	.02117
#2	.00254	6.9197	-.10356	1.1439	.16581	.00054	.05484	131.48	.02160	.02099
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000							
Low Limit			-.02000							

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **33.038**	**1.1022**	**35.923**	**51.962**	**.16689**	**35.378**	**1.4371**	**.18700**	W **2013.6**	**.06997**
Stddev	.018	.0004	.015	.032	.00139	.007	.0004	.00097	4.0	.00022
%RSD	.05446	.03326	.04240	.06158	.83318	.02118	.03089	.51673	.19889	.31927
#1	33.051	1.1025	35.934	51.985	.16787	35.373	1.4374	.18632	2016.5	.07013
#2	33.025	1.1020	35.913	51.939	.16591	35.384	1.4368	.18768	2010.8	.06981
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	10.000								500.00	
Low Limit	-.01000								10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **156.79**	**.12883**	**445.61**	**.03038**	**.01882**	**46.826**	**.02262**	**1.2268**	F **-.03192**	**.04233**
Stddev	.24	.00128	.21	.00375	.00433	.037	.00008	.0026	.00302	.00042
%RSD	.14998	.99346	.04656	12.345	22.995	.07834	.36179	.20984	9.4545	.98233
#1	156.96	.12973	445.47	.02773	.01576	46.800	.02256	1.2286	-.02979	.04203
#2	156.63	.12792	445.76	.03303	.02188	46.852	.02268	1.2250	-.03405	.04262
Check ?	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	50.000								50.000	
Low Limit	-2.0000								-.02000	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00716**	**.05631**	**.22614**	**7.3467**	**.00065**
Stddev	.00013	.02779	.00062	.0002	.00048
%RSD	1.8344	49.357	.27582	.00267	74.082
#1	-.00707	.03666	.22658	7.3465	.00100
#2	-.00726	.07596	.22570	7.3468	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3531.5**	**50826.**	**4293.3**
Stddev	9.1	33.	7.1
%RSD	.25849	.06557	.16563
#1	3525.1	50802.	4288.3
#2	3538.0	50849.	4298.3

Sample Name: 280-19378-a-4-b Acquired: 8/26/2011 2:24:51 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82547 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07450**	**9.6065**	**.00756**	**.63621**	**.18009**	**.00029**	**-.00015**	**121.06**	**.03643**	**.00904**
Stddev	.00040	.0200	.00221	.00022	.00009	.00009	.00075	.09	.00014	.00043
%RSD	.54327	.20790	29.178	.03380	.05008	31.400	491.22	.07732	.37697	4.7744
#1	.07478	9.5924	.00912	.63606	.18015	.00023	-.00069	120.99	.03634	.00874
#2	.07421	9.6207	.00600	.63636	.18002	.00036	.00038	121.13	.03653	.00935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08973**	**2.3654**	**38.859**	W **121.88**	**.07827**	**41.223**	**1.2056**	**.19184**	W **617.45**	**.04091**
Stddev	.00062	.0055	.028	.03	.00081	.096	.0022	.00033	.06	.00006
%RSD	.69362	.23257	.07320	.02370	1.0391	.23255	.18686	.17174	.01035	.15171
#1	.08929	2.3693	38.839	121.86	.07884	41.291	1.2072	.19161	617.49	.04086
#2	.09017	2.3615	38.879	121.90	.07769	41.156	1.2040	.19208	617.40	.04095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.8352**	**.06242**	**545.79**	**.00664**	**.00195**	**12.660**	**.07569**	**.81879**	**.00232**	**.10491**
Stddev	.0126	.00043	.27	.00040	.00019	.012	.00090	.00073	.00109	.00034
%RSD	.44373	.68676	.04904	6.0711	9.9640	.09770	1.1924	.08908	46.992	.31959
#1	2.8264	.06272	545.98	.00636	.00209	12.652	.07505	.81931	.00309	.10467
#2	2.8441	.06212	545.60	.00693	.00181	12.669	.07632	.81827	.00155	.10515
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00176**	**.03937**	**.00404**	**6.9114**	**.01494**
Stddev	.00140	.05137	.00018	.0102	.00055
%RSD	79.438	130.48	4.3828	.14799	3.7034
#1	.00274	.00305	.00391	6.9186	.01533
#2	.00077	.07570	.00417	6.9042	.01455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3780.6**	**54592.**	**4321.7**
Stddev	3.5	144.	8.0
%RSD	.09209	.26380	.18559
#1	3778.2	54490.	4316.0
#2	3783.1	54694.	4327.4

Sample Name: 280-19378-a-5-b Acquired: 8/26/2011 2:28:11 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82547 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00089**	**1.5758**	**.02191**	F **-.08240**	**.05789**	**-.00007**	**-.00383**	**22.022**	W **2.2175**	**.00891**
Stddev	.00001	.0121	.00024	.00043	.00009	.00010	.00099	.096	.0011	.00005
%RSD	1.5106	.76907	1.0778	.52403	.16369	138.48	25.885	.43415	.05083	.54420
#1	.00090	1.5844	.02174	-.08271	.05783	.00000	-.00453	21.955	2.2167	.00894
#2	.00088	1.5672	.02208	-.08210	.05796	-.00014	-.00312	22.090	2.2183	.00888
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					2.0000	
Low Limit				-.02000					-.00500	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13314**	**5.3836**	**3.8455**	W **173.00**	**.03564**	**11.605**	**.17302**	W **6.7586**	W **983.71**	**.00918**
Stddev	.00063	.0033	.0184	.36	.00032	.033	.00007	.0091	2.43	.00030
%RSD	.47174	.06202	.47753	.20594	.91122	.28227	.03862	.13457	.24676	3.2556
#1	.13359	5.3812	3.8325	172.75	.03541	11.582	.17307	6.7650	982.00	.00939
#2	.13270	5.3859	3.8585	173.25	.03587	11.628	.17297	6.7522	985.43	.00897
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit				100.00				2.0000	500.00	
Low Limit				-.50000				-.01000	10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **110.30**	**.12450**	**785.85**	**.16358**	**.00577**	**3.5471**	**.02254**	**.35193**	**-.00452**	**.03364**
Stddev	.17	.00141	.35	.00212	.00445	.0120	.00018	.00154	.00020	.00006
%RSD	.15181	1.1302	.04517	1.2940	77.146	.33851	.80526	.43740	4.3202	.16561
#1	110.42	.12549	786.10	.16507	.00262	3.5386	.02267	.35084	-.00438	.03368
#2	110.18	.12350	785.60	.16208	.00892	3.5556	.02241	.35302	-.00466	.03360
Check ?	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000									
Low Limit	-2.0000									

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00118**	**.03077**	**-.00103**	**.32382**	**.00693**
Stddev	.00053	.01620	.00042	.00047	.00262
%RSD	44.704	52.637	40.462	.14425	37.795
#1	-.00081	.04223	-.00073	.32349	.00879
#2	-.00156	.01932	-.00132	.32415	.00508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3750.2**	**54283.**	**4347.1**
Stddev	.3	215.	25.8
%RSD	.00821	.39628	.59430
#1	3750.0	54435.	4365.4
#2	3750.5	54131.	4328.9

Sample Name: 280-19378-a-6-b Acquired: 8/26/2011 2:31:32 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82547 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03187**	**52.314**	**.15611**	**.52335**	**1.0289**	**.02533**	**.21163**	**113.83**	**.08076**	**.11543**
Stddev	.00055	.043	.00248	.00198	.0016	.00005	.00024	.16	.00005	.00017
%RSD	1.7172	.08197	1.5862	.37893	.15813	.18331	.11362	.14422	.06234	.15122
#1	.03148	52.283	.15436	.52195	1.0277	.02530	.21146	113.71	.08080	.11530
#2	.03225	52.344	.15786	.52476	1.0300	.02537	.21180	113.95	.08073	.11555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37689**	**.29542**	**85.748**	**25.875**	**.20208**	**41.761**	**2.6144**	**.17605**	**141.18**	**.19265**
Stddev	.00086	.00061	.188	.099	.00267	.077	.0057	.00075	.59	.00030
%RSD	.22766	.20503	.21908	.38300	1.3203	.18478	.21965	.42855	.42124	.15694
#1	.37628	.29499	85.615	25.805	.20397	41.706	2.6103	.17552	140.76	.19244
#2	.37750	.29585	85.881	25.945	.20019	41.815	2.6185	.17659	141.60	.19287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.3807**	**1.0899**	**84.081**	**.06363**	**.19774**	**4.6746**	**9.4163**	**.74696**	**.18222**	**1.2339**
Stddev	.0064	.0008	.018	.00028	.00171	.0375	.0132	.00039	.00043	.0027
%RSD	.11862	.07074	.02102	.44723	.86328	.80222	.13988	.05244	.23326	.22234
#1	5.3761	1.0893	84.069	.06342	.19895	4.6481	9.4070	.74724	.18252	1.2320
#2	5.3852	1.0904	84.094	.06383	.19653	4.7012	9.4256	.74668	.18192	1.2359
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.19339**	**.39634**	**.12468**	**.85455**	**.11719**
Stddev	.00238	.00417	.00008	.00128	.00211
%RSD	1.2319	1.0530	.06641	.14947	1.7965
#1	.19171	.39339	.12473	.85364	.11570
#2	.19508	.39929	.12462	.85545	.11868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4296.0**	**63513.**	**4888.5**
Stddev	.4	43.	12.9
%RSD	.01006	.06734	.26475
#1	4295.7	63543.	4897.6
#2	4296.3	63483.	4879.3

Sample Name: 280-19378-a-7-b Acquired: 8/26/2011 2:33:56 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82547 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.05452**	**13.651**	k **.05532**	**2.0962**	**.52533**	k **.00357**	k **.15844**	**74.413**	k **.02054**	k **.01140**
Stddev	.00098	.017	.00299	.0041	.00112	.00009	.00213	.171	.00042	.00033
%RSD	1.7922	.12464	5.4061	.19405	.21253	2.3843	1.3418	.22997	2.0576	2.8791
#1	k .05521	13.639	k .05744	2.0991	.52454	k .00351	k .15995	74.292	k .02025	k .01117
#2	k .05383	13.663	k .05321	2.0933	.52612	k .00363	k .15694	74.534	k .02084	k .01163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.14835**	k **.13329**	**29.947**	F **1515.6**	kW **-.01166**	k **7.5116**	^ *****	**.10975**	W **2641.9**	**.02756**
Stddev	.00134	.00083	.041	5.4	.00175	.0033	-----	.00020	5.8	.00081
%RSD	.90061	.61907	.13693	.35454	15.011	.04399	-----	.18511	.21777	2.9328
#1	k .14740	k .13271	29.918	1519.4	k -.01043	k 7.5140	^ -----	.10990	2637.8	.02699
#2	k .14929	k .13388	29.976	1511.8	k -.01290	k 7.5093	^ -----	.10961	2646.0	.02813
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				500.00	22.500				500.00	
Low Limit				-2.0000	-.01000				10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4193**	k **1.7725**	k **2910.1**	k **.43427**	k **.61334**	k **17.110**	F **919.85**	**.39107**	kF **-.14767**	k **.73028**
Stddev	.0134	.0015	5.5	.00163	.00143	.054	1.83	.00032	.00009	.00094
%RSD	.55329	.08305	.18735	.37529	.23242	.31486	.19919	.08173	.05952	.12918
#1	2.4098	k 1.7735	k 2914.0	k .43543	k .61434	k 17.072	921.15	.39084	k -.14773	k .73094
#2	2.4287	k 1.7714	k 2906.3	k .43312	k .61233	k 17.148	918.55	.39130	k -.14761	k .72961
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit							20.000		50.000	
Low Limit							-.10000		-.02000	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **1.5272**	kF **-7.1753**	^ *****	k **.95997**	k **.01946**
Stddev	.0113	.0478	-----	.00180	.00307
%RSD	.74098	.66623	-----	.18709	15.783
#1	k 1.5352	k -7.2091	^ -----	k .95870	k .01729
#2	k 1.5192	k -7.1415	^ -----	k .96124	k .02163
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000			
Low Limit		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3761.1**	**47792.**	**3950.0**
Stddev	2.8	114.	19.9
%RSD	.07452	.23820	.50484
#1	3759.1	47711.	3964.1
#2	3763.0	47872.	3935.9

Sample Name: CCVH-940568 Acquired: 8/26/2011 2:37:32 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02138**	**49.476**	**-.00570**	**.00716**	**-.00042**	**-.00018**	**1.0201**	**.02467**	**-.00116**	**.00206**	**.00001**	**-.00163**	**50.068**
Stddev	.00058	.002	.00407	.00024	.00036	.00001	.0004	.00500	.00001	.00035	.00007	.00013	.149
%RSD	2.6941	.00425	71.449	3.3239	84.623	8.3018	.04069	20.279	1.1867	16.814	773.33	7.8023	.29842
#1	-.02098	49.478	-.00282	.00699	-.00068	-.00017	1.0203	.02113	-.00117	.00231	-.00004	-.00172	50.173
#2	-.02179	49.475	-.00858	.00733	-.00017	-.00019	1.0198	.02821	-.00115	.00182	.00006	-.00154	49.962
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2595**	**.00597**	**-.10631**	**.01991**	**-.00167**	**268.91**	**.00120**	**.00287**	**.00047**	**5.2850**	**-.01033**	**.00781**	**.02660**
Stddev	.0177	.00112	.00256	.00197	.00041	.54	.00009	.00189	.00330	.0206	.00193	.00211	.01859
%RSD	1.4033	18.709	2.4037	9.9004	24.315	.20225	7.4431	65.937	706.08	.39033	18.643	27.060	69.868
#1	1.2720	.00676	-.10812	.02130	-.00196	268.52	.00126	.00153	.00280	5.2996	-.01169	.00631	.01346
#2	1.2470	.00518	-.10451	.01851	-.00138	269.29	.00113	.00421	-.00186	5.2704	-.00897	.00930	.03974
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23518**	**.00047**	**5.0320**	**.00253**	**.00369**	**10.546**	**-.00973**	**.00415**	**.01435**
Stddev	.01408	.00011	.0049	.00041	.00035	.045	.00066	.00018	.00373
%RSD	5.9849	22.153	.09822	16.212	9.4925	.42400	6.8239	4.3184	26.006
#1	.24513	.00040	5.0355	.00224	.00345	10.514	-.00926	.00427	.01172
#2	.22523	.00055	5.0285	.00282	.00394	10.577	-.01020	.00402	.01699
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3889.6**	**57441.**	**4221.6**
Stddev	12.1	11.	10.3
%RSD	.31019	.01968	.24453
#1	3898.2	57433.	4228.9
#2	3881.1	57449.	4214.3

Sample Name: CCV-940591 Acquired: 8/26/2011 2:40:04 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54263**	**.52624**	**1.0434**	**.52530**	**.53134**	**.50160**	**.00327**	**5.0172**	**.52718**	**.52253**	**.52095**	**.53333**
Stddev	.00021	.00673	.0036	.00154	.00046	.00058	.00629	.0056	.00043	.00013	.00078	.00065
%RSD	.03894	1.2792	.34838	.29406	.08641	.11638	192.25	.11103	.08110	.02404	.14906	.12178
#1	.54248	.52148	1.0408	.52421	.53102	.50119	.00772	5.0133	.52688	.52262	.52150	.53287
#2	.54278	.53100	1.0459	.52640	.53167	.50202	-.00118	5.0211	.52748	.52244	.52040	.53379
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4563**	**52.325**	**1.0355**	**21.224**	**.53253**	**.52143**	F **5.7401**	**.52172**	**1.0101**	**1.0551**	**.17791**	**1.0342**
Stddev	.0020	.014	.0033	.022	.00035	.00100	.0129	.00035	.0012	.0022	.00091	.0012
%RSD	.08113	.02605	.31727	.10560	.06574	.19166	.22508	.06751	.11343	.20683	.50991	.11826
#1	2.4577	52.335	1.0332	21.208	.53278	.52213	5.7492	.52197	1.0109	1.0567	.17727	1.0334
#2	2.4549	52.316	1.0378	21.240	.53228	.52072	5.7309	.52147	1.0093	1.0536	.17856	1.0351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0474**	**4.9110**	F **1.1720**	**.52939**	**-.00215**	**.51675**	**1.0607**	**.07879**	**.53409**	**.53137**	**.51360**
Stddev	.0028	.0185	.0066	.00028	.00107	.00036	.0032	.04473	.00024	.00077	.00045
%RSD	.26433	.37565	.55954	.05238	49.932	.07004	.29754	56.773	.04537	.14441	.08710
#1	1.0455	4.8980	1.1766	.52959	-.00139	.51650	1.0585	.04716	.53426	.53192	.51392
#2	1.0494	4.9241	1.1674	.52919	-.00291	.51701	1.0630	.11042	.53392	.53083	.51329
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value			1.0000								
Range			10.000%								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3958.0**	**58969.**	**4227.1**
Stddev	5.1	69.	.8
%RSD	.12970	.11617	.01969
#1	3954.4	58921.	4226.5
#2	3961.6	59018.	4227.7

Sample Name: CCB Acquired: 8/26/2011 2:42:27 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00025**	**.00196**	F **.00345**	**-.00039**	**.00003**	**-.00188**	**.00032**	**.00006**	**-.00015**	**.00022**	**.00079**
Stddev	.00000	.00116	.00057	.00094	.00016	.00018	.00214	.00142	.00029	.00019	.00033	.00045
%RSD	.42796	469.11	29.061	27.261	42.027	528.89	113.95	443.68	458.93	126.83	151.07	57.504
#1	.00028	-.00057	.00236	.00411	-.00050	.00016	-.00037	.00132	-.00014	-.00029	-.00001	.00047
#2	.00028	.00107	.00155	.00278	-.00027	-.00010	-.00340	-.00068	.00027	-.00002	.00045	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00312								
Low Limit				-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00154**	F **.60600**	F **.00900**	**.00091**	F **.00200**	**.00280**	F **.35770**	**.00017**	**.00015**	**-.00057**	**.13304**	F **.00725**
Stddev	.00153	.01012	.00198	.00104	.00016	.00098	.02208	.00018	.00001	.00001	.00312	.00160
%RSD	99.347	1.6703	21.993	114.62	7.9543	35.080	6.1719	106.06	7.3695	1.1087	2.3483	21.995
#1	-.00262	.59884	.01040	.00017	.00211	.00210	.37331	.00004	.00014	-.00057	.13525	.00613
#2	-.00046	.61316	.00760	.00164	.00189	.00349	.34209	.00030	.00016	-.00058	.13083	.00838
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail
High Limit		.25000	.00522		.00051		.10000					.00628
Low Limit		-.25000	-.00522		-.00051		-.10000					-.00628

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00412**	**-.00471**	F **.08810**	**.00017**	**-.00417**	**.00025**	**.00116**	**.02110**	**.00002**	**.00209**	**.00213**
Stddev	.00441	.00765	.00442	.00011	.00116	.00001	.00185	.04780	.00001	.00022	.00075
%RSD	107.20	162.53	5.0117	65.466	27.848	2.4895	159.78	226.59	56.850	10.419	35.194
#1	.00100	-.01012	.09122	.00009	-.00335	.00025	-.00015	.05490	.00003	.00193	.00266
#2	.00724	.00070	.08497	.00024	-.00499	.00026	.00246	-.01271	.00001	.00224	.00160
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.01166								
Low Limit			-.01166								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4000.2**	**60164.**	**4207.9**
Stddev	1.1	97.	15.3
%RSD	.02703	.16106	.36372
#1	3999.4	60232.	4197.1
#2	4001.0	60095.	4218.7

Sample Name: CCVL942742 Acquired: 8/26/2011 2:45:04 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01119**	**.10865**	**.01421**	**.10761**	**.01066**	**.00101**	F **.13650**	**.20613**	**.00562**	**.01082**	**.01082**
Stddev	.00138	.00047	.00261	.00003	.00016	.00007	.00059	.00057	.00011	.00012	.00012
%RSD	12.327	.42835	18.400	.02656	1.5263	6.5439	.43192	.27502	1.9945	1.1419	1.1501
#1	.01216	.10898	.01606	.10759	.01077	.00097	.13692	.20654	.00554	.01091	.01091
#2	.01021	.10832	.01236	.10763	.01054	.00106	.13608	.20573	.00570	.01073	.01073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01769**	**.09951**	W **3.6556**	F **.01440**	**.22674**	W **.01212**	**.02082**	F **1.4163**	**.04404**	**2.9587**	**.01011**
Stddev	.00009	.00134	.0297	.00099	.00166	.00006	.00005	.0170	.00023	.0030	.00108
%RSD	.48785	1.3486	.81209	6.8801	.73384	.47823	.25279	1.2042	.52864	.10039	10.735
#1	.01763	.10046	3.6346	.01510	.22556	.01208	.02085	1.4283	.04421	2.9608	.01087
#2	.01775	.09856	3.6766	.01370	.22791	.01216	.02078	1.4042	.04388	2.9566	.00934
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value			3.0000	.01000		.01000		1.0000			
Range			20.000%	30.000%		20.000%		30.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09739**	**.00820**	**.01629**	**.48445**	F **.15392**	**.01107**	**.01311**	**.01113**	F **.01961**	F **.11677**	**.01025**
Stddev	.00380	.00101	.00283	.00280	.00188	.00011	.00069	.00050	.00049	.00111	.00038
%RSD	3.8977	12.373	17.381	.57726	1.2217	.97742	5.2749	4.4494	2.5045	.95383	3.7040
#1	.10007	.00892	.01829	.48643	.15525	.01100	.01360	.01078	.01995	.11756	.00998
#2	.09470	.00748	.01428	.48247	.15259	.01115	.01262	.01148	.01926	.11599	.01052
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
Value					.10000				.01500	.06000	
Range					30.000%				30.000%	30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02381**	F **.01996**
Stddev	.00007	.00255
%RSD	.27787	12.792
#1	.02386	.01815
#2	.02377	.02176
Check ?	Chk Pass	Chk Fail
Value		.01500
Range		30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4050.1**	**60863.**	**4261.6**
Stddev	5.3	81.	4.6
%RSD	.13167	.13368	.10699
#1	4053.8	60806.	4264.8
#2	4046.3	60921.	4258.4

TestAmerica
THE LEADER in ENVIRONMENTAL TESTING

ICP Data Review Checklist

TALS BATCH NUMBER: 83182- 83187		Earliest due date: 8/26/11
Run Date: 8/25/11	Analyst: JKH	Instrument: 26
QC programs/Methods Run: 200.7 6010B 6010C		

Review Items	Yes	No	N/A	2nd Level
A. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < 1/2 RL or CRDL (CLP) or < 2.2x MDL 200.7 ?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP)?	✓			✓
6. Post digest spike analyzed if required (CLP, DOD & AFCEE only)? NCM Whether needed for DODV3, AFCEE 4.0, 6010c?	✓			✓
B. Calibration/Instrument Run QC				
1. ICV/CCV analyzed at appropriate frequency and within control limits ? (**6010B**: CLP = 90 - 110%; **200.7**: ICV = 95 - 105%, CCV 90-110%) If not in control, was the ICV or CCV reanalyzed twice to show return to control as per NELAP?	✓			✓
2. ICB/CCB analyzed at appropriate frequency and < RL or < CRDL (CLP) or < 2X MDL (DOD V3,AFCEE 4.0)? Was it less than the MDLV (6010C)	✓			✓
3. High Standard (HIGH) reanalyzed before samples and recovered within QC limits? (+-5%)	✓			✓
4. RL STD run and recovered within QC limits ? (± 50% for non-CLP, ± 20% for DoD V3 / AFCEE 4.0 / USACE)	✓			✓
5. Was the LLICV/LLCCV analyzed at appropriate frequency for 6010C and within control (+-30 % or +-20%)	✓			✓
6. ICSA/ICSAB run at required frequency and within SOP limits? (ICSA < 2X MDL AFCEE 4.0, DOD V3 or <RL std work or <MDLV 6010C))	✓			✓
C. Sample Results				
1. For 6010B, were samples with concentrations > the linear range for any parameter diluted and reanalyzed? For 200.7, were samples with concentrations within 90% of the linear range diluted and reanalyzed?	✓			✓
2. Are all reported results bracketed by in control QC?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Calculations checked for errors?	✓			✓
3. Transcriptions checked for errors? (Example: Are dilution factors that are entered into the sequence log correct?)	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date/time of analysis verified as correct?	✓			✓
6. PDF attached, verified uncorrupted?	✓			✓

Analyst: JKH Date: 8/26/11

Comments:

2nd Level Reviewer: [illegible] Date: 8/26/11

Comments:

Sample Name: ICIS Acquired: 8/26/2011 13:32:17 Type: Cal
Method: 6500_026(v8) Mode: IR Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00100**	**.00003**	**-.03648**	**-.00055**	**.00080**	**.03194**	**-.00136**	**.00037**	**.00720**	**.00022**	**-.00002**	**-.00115**
Stddev	.00022	.00004	.00062	.00036	.00021	.00143	.00168	.00004	.00074	.00014	.00009	.00049
%RSD	21.918	150.92	1.7042	65.385	26.571	4.4797	123.28	10.531	10.310	65.036	512.82	42.254
#1	-.00084	.00000	-.03604	-.00030	.00065	.03296	-.00254	.00040	.00668	.00032	.00004	-.00081
#2	-.00115	.00005	-.03692	-.00081	.00095	.03093	-.00017	.00034	.00773	.00012	-.00008	-.00150

Elem	Cu3247	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00535**	**.00008**	**.00082**	**.01839**	**.00660**	**.00004**	**.00004**	**.00084**	**-.05402**	**-.00914**	**.00251**	**.00003**
Stddev	.00008	.00051	.00082	.00101	.00256	.00004	.00007	.00037	.00194	.00003	.00022	.00001
%RSD	1.4564	665.92	100.42	5.4903	38.827	96.356	199.17	44.493	3.5999	.27602	8.9244	29.905
#1	.00530	.00044	.00140	.01910	.00841	.00001	-.00001	.00058	-.05540	-.00912	.00235	.00004
#2	.00541	-.00029	.00024	.01767	.00479	.00007	.00009	.00110	-.05265	-.00916	.00266	.00003

Elem	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00012**	**-.00183**	**.00035**	**.00080**	**.00096**	**-.00004**	**-.00049**	**.00000**	**-.00088**	**-.00078**	**.00053**	**.00092**
Stddev	.00019	.00000	.00022	.00019	.00052	.00016	.00077	.0001	.00010	.00001	.00023	.00007
%RSD	162.08	.09609	64.708	23.048	54.304	427.34	156.49	11657.	11.604	1.4733	42.973	7.5795
#1	-.00002	-.00183	.00050	.00093	.00132	-.00015	-.00104	.00007	-.00080	-.00079	.00069	.00097
#2	.00025	-.00183	.00019	.00067	.00059	.00008	.00005	-.00007	-.00095	-.00077	.00037	.00087

Elem	Zn2062	Zr3391
Units	Cts/S	Cts/S
Avg	**.00002**	**-.00267**
Stddev	.00001	.00030
%RSD	61.046	11.398
#1	.00001	-.00289
#2	.00003	-.00246

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3576.5**	**61606.**	**4875.6**
Stddev	18.8	316.	34.3
%RSD	.52691	.51365	.70431
#1	3563.2	61830.	4899.9
#2	3589.9	61383.	4851.3

Sample Name: IC1 Acquired: 8/26/2011 13:34:56 Type: Cal
Method: 6500_026(v8) Mode: IR Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.25808**	**.09275**	**.14752**	**.39667**	**5.0372**	**8.5074**	**2.2008**	**1.8524**	**1.1970**	**1.4635**	**.40566**	**.65229**	**6.8352**
Stddev	.00064	.00119	.00117	.00131	.0041	.0025	.0045	.0059	.0003	.0011	.00031	.00078	.0089
%RSD	.24795	1.2858	.79276	.33005	.08184	.02947	.20408	.31670	.02863	.07733	.07634	.11972	.13073
#1	.25853	.09359	.14669	.39574	5.0401	8.5092	2.2040	1.8482	1.1967	1.4627	.40588	.65284	6.8289
#2	.25763	.09191	.14834	.39759	5.0343	8.5056	2.1977	1.8565	1.1972	1.4643	.40545	.65174	6.8416

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.6765**	**1.1513**	**1.4064**	**.74346**	**1.7061**	**1.0413**	**.10578**	**.61057**	**.28211**	**.16584**	**.38119**	**.40057**	**9.4539**
Stddev	.0040	.0018	.0022	.00005	.0060	.0001	.00031	.00103	.00086	.00013	.00157	.00014	.0101
%RSD	.23782	.15973	.15708	.00617	.34902	.01182	.29307	.16866	.30366	.07654	.41268	.03418	.10670
#1	1.6793	1.1526	1.4079	.74343	1.7019	1.0412	.10600	.60984	.28150	.16575	.38008	.40048	9.4610
#2	1.6737	1.1500	1.4048	.74350	1.7103	1.0414	.10556	.61129	.28271	.16593	.38230	.40067	9.4467

Elem	Ti3349	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.40411**	**.28271**	**.26448**	**.03594**	**.29350**
Stddev	.00002	.00076	.00006	.00001	.00169
%RSD	.00415	.27017	.02289	.02674	.57563
#1	.40412	.28217	.26444	.03594	.29470
#2	.40410	.28325	.26452	.03593	.29231

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3508.9**	**58968.**	**4823.8**
Stddev	27.6	63.	11.0
%RSD	.78650	.10722	.22771
#1	3489.4	58924.	4816.0
#2	3528.4	59013.	4831.6

Sample Name: IC2 Acquired: 8/26/2011 13:37:24 Type: Cal
Method: 6500_026(v8) Mode: IR Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.7050**	**.26811**	**.70261**	**3.6905**	**.33379**	**.66678**	**.12589**
Stddev	.0060	.00075	.00188	.0033	.00052	.00062	.00004
%RSD	.16295	.27884	.26774	.08856	.15511	.09288	.03001
#1	3.7093	.26864	.70394	3.6928	.33416	.66722	.12586
#2	3.7007	.26758	.70128	3.6882	.33343	.66634	.12592

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3445.7**	**57899.**	**4842.4**
Stddev	12.3	220.	19.9
%RSD	.35622	.37939	.41137
#1	3454.4	58055.	4828.3
#2	3437.0	57744.	4856.5

Sample Name: S1-940565 Acquired: 8/26/2011 13:40:00 Type: QC
Method: 6500_026(v8) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.00000**	**1.0080**	**2.0070**	**1.0054**	**.99911**	**1.0030**	**.00281**	**9.9879**	**1.0088**	**1.0008**	**1.0011**	**1.0039**
Stddev	.00351	.0026	.0024	.0041	.00159	.0014	.00209	.0407	.0028	.0028	.0028	.0022
%RSD	.35106	.25920	.11974	.40952	.15875	.13437	74.429	.40744	.27785	.28372	.27965	.22097
#1	.99751	1.0061	2.0053	1.0025	.99799	1.0020	.00429	9.9592	1.0068	.99879	.99911	1.0024
#2	1.0025	1.0098	2.0087	1.0083	1.0002	1.0039	.00133	10.017	1.0108	1.0028	1.0031	1.0055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0391**	**99.882**	**1.9968**	**40.070**	**1.0067**	**1.0087**	**10.269**	F **10.926**	**1.0031**	**2.0052**	**2.0145**	**-.00090**
Stddev	.0004	.202	.0021	.083	.0023	.0010	.036	.169	.0035	.0103	.0039	.00087
%RSD	.00811	.20256	.10290	.20824	.22868	.09594	.34871	1.5461	.34803	.51543	.19569	97.016
#1	5.0393	99.739	1.9953	40.011	1.0051	1.0080	10.294	10.806	1.0006	1.9979	2.0117	-.00028
#2	5.0388	100.03	1.9983	40.129	1.0083	1.0094	10.244	11.045	1.0055	2.0125	2.0173	-.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None
Value								10.000				
Range								5.0000%				

Elem	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0215**	**2.0185**	**9.8928**	**2.0081**	**1.0025**	**-.00858**	**.99729**	**2.0009**	**.04458**	**1.0058**	**1.0024**	**1.0049**
Stddev	.0027	.0008	.0916	.0030	.0014	.00121	.00254	.0076	.02932	.0022	.0021	.0030
%RSD	.13152	.03797	.92594	.14869	.14337	14.124	.25440	.37950	65.768	.21760	.20536	.29944
#1	2.0196	2.0191	9.8280	2.0060	1.0015	-.00944	.99549	1.9956	.02385	1.0043	1.0009	1.0071
#2	2.0234	2.0180	9.9576	2.0102	1.0035	-.00773	.99908	2.0063	.06531	1.0074	1.0038	1.0028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3529.7**	**59670.**	**4890.9**
Stddev	9.1	36.	1.1
%RSD	.25666	.06072	.02185
#1	3536.1	59645.	4890.2
#2	3523.3	59696.	4891.7

Sample Name: S2-940566 Acquired: 8/26/2011 13:42:20 Type: QC
Method: 6500_026(v8) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.03751**	**99.634**	**.00092**	**.00386**	**.00146**	**-.00007**	**1.9916**	**.05477**	**-.00265**	**.00406**	**.00042**	**-.00064**	**100.14**
Stddev	.00009	.090	.00202	.00015	.00042	.00001	.0046	.00016	.00012	.00035	.00011	.00055	.37
%RSD	.23241	.09030	221.10	3.9583	28.683	9.2939	.23328	.29915	4.6945	8.7379	27.504	85.122	.36577
#1	-.03758	99.571	-.00052	.00397	.00175	-.00007	1.9949	.05488	-.00274	.00381	.00033	-.00026	99.886
#2	-.03745	99.698	.00235	.00375	.00116	-.00008	1.9883	.05465	-.00257	.00431	.00050	-.00103	100.40
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28631**	**.00447**	**-.20804**	**.00085**	**.00086**	**503.17**	**.00288**	**.00728**	**-.00084**	**10.030**	**-.00637**	**.02735**	**.03323**
Stddev	.04203	.00154	.00073	.00008	.00159	.40	.00012	.00163	.00009	.038	.00339	.00005	.02378
%RSD	14.681	34.379	.35316	9.4849	185.29	.07878	4.0998	22.391	10.880	.38262	53.232	.18217	71.557
#1	.25659	.00338	-.20752	.00079	-.00027	503.45	.00296	.00843	-.00091	10.003	-.00876	.02731	.05005
#2	.31603	.00555	-.20856	.00091	.00198	502.89	.00280	.00612	-.00078	10.057	-.00397	.02738	.01642
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00528**	**.00091**	**9.9112**	**-.00227**	**.00595**	**20.118**	**-.01516**	**.00472**	**.09517**
Stddev	.00084	.00007	.0217	.00056	.00033	.031	.00031	.00032	.00124
%RSD	15.916	7.2913	.21940	24.661	5.5511	.15301	2.0363	6.7569	1.2983
#1	.00469	.00096	9.9266	-.00266	.00572	20.140	-.01538	.00494	.09430
#2	.00588	.00087	9.8958	-.00187	.00619	20.097	-.01495	.00449	.09605
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3447.7**	**58240.**	**4836.3**
Stddev	12.2	10.	19.1
%RSD	.35445	.01735	.39460
#1	3439.1	58247.	4849.8
#2	3456.4	58233.	4822.8

Sample Name: ICVH-915850 Acquired: 8/26/2011 13:45:41 Type: QC
Method: 6500_026(v8) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00946**	**39.811**	**.00077**	**.00053**	**.00022**	**-.00008**	**.50950**	**38.218**	**-.00103**	**.00188**	**-.00005**	**.00014**	**77.436**
Stddev	.00062	.011	.00660	.00034	.00050	.00002	.00198	.032	.00006	.00004	.00013	.00012	.162
%RSD	6.5668	.02732	857.86	64.642	229.04	25.835	.38873	.08318	6.0375	2.1867	275.89	79.801	.20940
#1	-.00902	39.818	-.00390	.00029	.00057	-.00007	.50810	38.241	-.00099	.00185	.00004	.00023	77.551
#2	-.00990	39.803	.00544	.00077	-.00014	-.00010	.51090	38.196	-.00108	.00191	-.00013	.00006	77.321
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	Chk Pass	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03106**	**.00468**	**-.06905**	**.00050**	**-.00155**	**40.499**	**.00044**	**.00095**	**.00114**	**3.8626**	**-.00496**	**.00499**	**.00146**
Stddev	.02810	.00228	.00127	.00005	.00024	.286	.00003	.00209	.00083	.0087	.00092	.00274	.01303
%RSD	90.462	48.664	1.8433	10.706	15.467	.70661	6.2024	219.52	72.244	.22427	18.554	54.962	890.53
#1	.01119	.00629	-.06995	.00047	-.00138	40.297	.00042	-.00052	.00173	3.8565	-.00561	.00693	-.00775
#2	.05094	.00307	-.06815	.00054	-.00172	40.701	.00046	.00242	.00056	3.8688	-.00431	.00305	.01068
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00132**	**.00045**	**2.9128**	**-.00125**	**.00230**	**5.0181**	**-.00442**	**2.4288**	**.03095**
Stddev	.00039	.00007	.0003	.00022	.00037	.0114	.00037	.0014	.00077
%RSD	29.152	15.689	.01155	17.439	16.013	.22762	8.3553	.05772	2.4754
#1	.00160	.00040	2.9130	-.00110	.00256	5.0262	-.00468	2.4279	.03149
#2	.00105	.00050	2.9126	-.00140	.00204	5.0100	-.00416	2.4298	.03041
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3582.2**	**60941.**	**4969.7**
Stddev	.9	143.	3.3
%RSD	.02412	.23453	.06570
#1	3582.8	61042.	4972.0
#2	3581.6	60840.	4967.4

Sample Name: ICV-939584 Acquired: 8/26/2011 13:48:45 Type: QC
Method: 6500_026(v8) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24360**	**.25329**	**.24300**	**.24118**	**.24517**	**.24379**	**-.00186**	**1.9671**	**.25075**	**.24847**	**.24632**	**.24868**
Stddev	.00023	.00056	.00040	.00009	.00056	.00067	.00092	.0091	.00014	.00083	.00021	.00013
%RSD	.09399	.22082	.16550	.03816	.22752	.27535	49.336	.46204	.05589	.33454	.08422	.05095
#1	.24377	.25290	.24329	.24112	.24477	.24332	-.00251	1.9607	.25085	.24788	.24618	.24859
#2	.24344	.25369	.24272	.24125	.24556	.24427	-.00121	1.9735	.25065	.24905	.24647	.24877
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25916**	**19.347**	**.24249**	**9.7001**	**.24984**	**.24277**	**2.0625**	**.24891**	F **1.8909**	**.25162**	**.00074**	**.24606**
Stddev	.00019	.036	.00425	.0070	.00021	.00059	.0188	.00002	.0055	.00044	.00012	.00155
%RSD	.07259	.18632	1.7547	.07260	.08476	.24272	.91111	.00808	.28810	.17465	16.763	.62824
#1	.25929	19.373	.24550	9.6951	.24999	.24319	2.0493	.24893	1.8870	.25131	.00083	.24716
#2	.25902	19.322	.23948	9.7051	.24969	.24236	2.0758	.24890	1.8947	.25194	.00065	.24497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass
Value									2.0000			
Range									-5.0000%			

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47677**	**1.9130**	**.48838**	**.24865**	**.00075**	**.23964**	**.50903**	**.01091**	**.24123**	**.24302**	**.25171**
Stddev	.00250	.0191	.00012	.00030	.00125	.00014	.00302	.03997	.00069	.00024	.00233
%RSD	.52380	.99770	.02361	.11945	167.17	.05978	.59310	366.31	.28562	.09906	.92544
#1	.47853	1.8995	.48830	.24844	.00164	.23954	.50689	.03917	.24074	.24285	.25335
#2	.47500	1.9265	.48846	.24886	-.00014	.23975	.51116	-.01735	.24171	.24319	.25006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3584.5**	**61568.**	**4901.9**
Stddev	2.6	70.	.3
%RSD	.07384	.11306	.00640
#1	3582.6	61518.	4901.7
#2	3586.4	61617.	4902.1

Sample Name: CCVH-940568 Acquired: 8/26/2011 13:58:01 Type: QC
Method: 6500_026(v8) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01835**	**49.790**	**.00001**	**.00104**	**.00063**	**-.00010**	**1.0161**	**.01067**	**-.00144**	**.00210**	**.00013**	**-.00010**	**50.142**
Stddev	.00011	.015	.00357	.00047	.00026	.00003	.0050	.00354	.00019	.00033	.00003	.00026	.027
%RSD	.59199	.03070	52822.	45.513	41.113	27.750	.49393	33.195	13.175	15.888	26.394	268.00	.05377
#1	-.01827	49.779	.00253	.00137	.00045	-.00008	1.0196	.01317	-.00130	.00234	.00010	-.00028	50.162
#2	-.01842	49.800	-.00252	.00070	.00081	-.00012	1.0125	.00816	-.00157	.00187	.00015	.00009	50.123
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03523**	**.00231**	**-.10328**	**.00014**	**-.00241**	**250.11**	**.00137**	**.00238**	**-.00161**	**4.9106**	**-.01005**	**.00866**	**.00278**
Stddev	.03790	.00057	.00179	.00000	.00030	.12	.00021	.00214	.00097	.0003	.00044	.00061	.01575
%RSD	107.57	24.888	1.7346	1.0930	12.262	.04908	15.531	89.868	60.522	.00556	4.3357	7.0825	567.24
#1	.06203	.00271	-.10455	.00014	-.00262	250.19	.00122	.00087	-.00092	4.9104	-.01036	.00823	.01392
#2	.00843	.00190	-.10202	.00014	-.00220	250.02	.00152	.00390	-.00230	4.9108	-.00975	.00909	-.00836
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00111**	**.00035**	**4.9283**	**-.00151**	**.00372**	**10.248**	**-.00666**	**.00320**	**.04713**
Stddev	.00016	.00012	.0010	.00070	.00015	.054	.00024	.00024	.00206
%RSD	14.299	34.177	.02123	46.146	4.0594	.52610	3.6511	7.4700	4.3722
#1	.00100	.00027	4.9275	-.00201	.00362	10.210	-.00649	.00337	.04568
#2	.00123	.00044	4.9290	-.00102	.00383	10.287	-.00683	.00303	.04859
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3500.5**	**58977.**	**4918.9**
Stddev	3.0	76.	6.4
%RSD	.08594	.12958	.13061
#1	3502.6	59031.	4914.4
#2	3498.4	58923.	4923.5

Sample Name: CCVH-940568 Acquired: 8/26/2011 14:37:34 Type: QC
Method: 6500_026(v8) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01840**	**49.129**	**.01096**	**.02058**	**.00347**	**-.00016**	**1.0076**	**.01643**	**-.00125**	**.00314**	**.00280**	**.00097**	**49.868**
Stddev	.00007	.185	.00017	.00153	.00073	.00001	.0062	.00375	.00067	.00107	.00222	.00005	.328
%RSD	.36999	.37592	1.5466	7.4287	21.190	5.8290	.61114	22.801	53.558	33.921	79.200	5.3045	.65786
#1	-.01835	48.999	.01084	.02166	.00399	-.00015	1.0032	.01378	-.00173	.00239	.00123	.00093	49.636
#2	-.01845	49.260	.01108	.01950	.00295	-.00016	1.0119	.01908	-.00078	.00390	.00437	.00100	50.100
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10093**	**.00434**	**-.10115**	**.00088**	**.01699**	**250.15**	**.00372**	**.00245**	**.00022**	**4.9617**	**-.00785**	**.02381**	**.04446**
Stddev	.00874	.00492	.00066	.00015	.00504	1.29	.00142	.00001	.00038	.0027	.00134	.00362	.01115
%RSD	8.6551	113.28	.65295	17.285	29.690	.51368	38.196	.41707	169.81	.05377	17.023	15.221	25.070
#1	.09475	.00782	-.10068	.00099	.01342	249.24	.00272	.00245	.00049	4.9598	-.00691	.02125	.05235
#2	.10711	.00086	-.10161	.00078	.02055	251.06	.00473	.00244	-.00005	4.9636	-.00880	.02637	.03658
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00208**	**.00221**	**4.8882**	**.00366**	**.00463**	**10.283**	**-.00644**	**.00428**	**.04708**
Stddev	.00085	.00057	.0117	.00037	.00345	.021	.00006	.00015	.00535
%RSD	40.775	25.657	.23936	10.035	74.387	.19993	.94935	3.4871	11.363
#1	.00148	.00261	4.8799	.00392	.00220	10.297	-.00640	.00439	.04330
#2	.00268	.00181	4.8965	.00340	.00707	10.268	-.00649	.00417	.05086
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3511.1**	**58984.**	**4944.5**
Stddev	2.5	63.	9.1
%RSD	.07113	.10652	.18397
#1	3509.4	58940.	4950.9
#2	3512.9	59029.	4938.1

Sample Name: CCV-940591 Acquired: 8/26/2011 14:40:09 Type: QC
Method: 6500_026(v8) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50136**	**.50937**	**1.0018**	**.50830**	**.49453**	**.49201**	**-.00036**	**4.8685**	**.50508**	**.49485**	**.49354**	**.50115**	**2.4789**
Stddev	.00084	.00694	.0011	.00050	.00089	.00037	.00358	.0067	.00071	.00010	.00045	.00067	.0187
%RSD	.16788	1.3632	.11264	.09829	.17913	.07594	1009.2	.13817	.13961	.02048	.09096	.13399	.75293
#1	.50076	.50446	1.0026	.50795	.49516	.49227	.00218	4.8732	.50458	.49492	.49386	.50067	2.4921
#2	.50195	.51428	1.0010	.50865	.49390	.49174	-.00289	4.8637	.50558	.49478	.49323	.50162	2.4657
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.273**	**.98844**	**19.858**	**.49818**	**.50367**	**5.1652**	**.49979**	**.96688**	**1.0067**	**.00045**	**.99393**	**.99343**	**4.7466**
Stddev	.104	.01186	.013	.00083	.00017	.0250	.00029	.00514	.0044	.00309	.00267	.00327	.0181
%RSD	.21576	1.1995	.06527	.16695	.03376	.48315	.05794	.53196	.43942	680.24	.26896	.32942	.38098
#1	48.347	.99682	19.848	.49759	.50355	5.1828	.49959	.96324	1.0036	-.00173	.99204	.99111	4.7594
#2	48.200	.98006	19.867	.49877	.50379	5.1475	.50000	.97051	1.0098	.00264	.99582	.99574	4.7338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0016**	**.49604**	**-.00082**	**.48805**	**1.0020**	**.04928**	**.49830**	**.49679**	**.49436**
Stddev	.0024	.00094	.00046	.00085	.0002	.01097	.00145	.00191	.00646
%RSD	.23467	.18859	55.743	.17487	.01670	22.268	.29092	.38465	1.3072
#1	.99999	.49670	-.00050	.48744	1.0021	.04152	.49728	.49544	.48979
#2	1.0033	.49538	-.00115	.48865	1.0018	.05704	.49933	.49814	.49893
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3558.0**	**60603.**	**4951.5**
Stddev	5.7	47.	26.6
%RSD	.16078	.07796	.53641
#1	3562.1	60569.	4932.7
#2	3554.0	60636.	4970.3

Sample Name: CCB Acquired: 8/26/2011 14:42:30 Type: QC
Method: 6500_026(v8) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00229**	W **.00455**	F **.00879**	**.00038**	**-.00004**	**-.00380**	**.00338**	**-.00030**	**.00028**	**.00010**
Stddev	.00063	.00134	.00097	.00035	.00037	.00017	.00263	.00000	.00019	.00018	.00035
%RSD	163.45	58.453	21.306	4.0104	97.843	392.26	69.276	.00557	63.500	64.099	353.36
#1	.00083	.00134	.00386	.00904	.00064	.00007	-.00194	.00338	-.00043	.00015	-.00015
#2	-.00006	.00324	.00523	.00854	.00012	-.00016	-.00566	.00338	-.00016	.00040	.00035
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00440	.00312							
Low Limit			-.00440	-.00312							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00775**	**.05708**	W **.00269**	**.00427**	W **.00046**	W **.00321**	**.04630**	**.00044**	**-.00149**	**-.00144**
Stddev	.00018	.00415	.05812	.00273	.00063	.00006	.00109	.00619	.00005	.00052	.00026
%RSD	120.07	53.546	101.83	101.41	14.821	12.899	34.122	13.364	11.296	34.843	18.111
#1	.00028	.01068	.09817	.00462	.00382	.00042	.00243	.05067	.00040	-.00185	-.00125
#2	.00002	.00481	.01598	.00076	.00472	.00050	.00398	.04192	.00047	-.00112	-.00162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261		.00025	.00313				
Low Limit				-.00261		-.00025	-.00313				

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00137**	F **.01064**	**.00471**	**.00091**	**.00067**	**.00015**	**-.00145**	**.00020**	**.00098**	**-.01244**	**.00018**
Stddev	.00200	.00467	.00143	.00753	.00065	.00006	.00025	.00021	.00069	.00632	.00026
%RSD	145.46	43.870	30.436	823.63	97.020	43.280	16.961	101.33	70.216	50.811	141.80
#1	.00279	.00734	.00370	-.00441	.00021	.00019	-.00163	.00035	.00049	-.00797	.00000
#2	-.00004	.01394	.00573	.00624	.00113	.00010	-.00128	.00006	.00146	-.01690	.00037
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00164**	**.00068**
Stddev	.00029	.00195
%RSD	17.537	285.39
#1	.00185	.00207
#2	.00144	-.00070
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3624.6**	**61733.**	**4896.6**
Stddev	5.9	376.	24.9
%RSD	.16165	.60939	.50771
#1	3628.7	61467.	4914.2
#2	3620.4	61999.	4879.1

Sample Name: CCVL-946273 Acquired: 8/26/2011 14:45:05 Type: QC
Method: 6500_026(v8) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01045**	**.10344**	F **.01951**	**.10909**	**.01044**	**.00108**	W **.12177**	**.19695**	**.00480**	**.01062**	**.01016**
Stddev	.00037	.00175	.00037	.00007	.00063	.00017	.00013	.00101	.00008	.00041	.00005
%RSD	3.5514	1.6948	1.8949	.06406	5.9990	15.913	.10637	.51341	1.5637	3.9075	.52973
#1	.01018	.10468	.01925	.10913	.00999	.00095	.12186	.19766	.00475	.01091	.01020
#2	.01071	.10220	.01977	.10904	.01088	.00120	.12168	.19623	.00485	.01033	.01012
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500				.10000				
Range			30.000%				20.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01593**	**.10281**	**2.9288**	W **.01232**	**.21324**	**.01066**	**.02010**	**1.1062**	**.04166**	**2.8809**	**.00928**
Stddev	.00000	.00268	.0309	.00201	.00473	.00002	.00018	.0196	.00027	.0005	.00017
%RSD	.02631	2.6109	1.0542	16.287	2.2166	.15381	.91286	1.7697	.64125	.01779	1.7880
#1	.01594	.10091	2.9506	.01090	.21659	.01067	.01997	1.1200	.04147	2.8812	.00940
#2	.01593	.10470	2.9069	.01374	.20990	.01064	.02023	1.0923	.04185	2.8805	.00916
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00240**	**.01185**	**.01671**	**.49379**	**.10208**	**.01014**	**.01297**	**.00985**	**.01742**	**.06450**	**.00989**
Stddev	.00409	.00047	.00130	.02310	.00101	.00002	.00150	.00031	.00084	.00355	.00009
%RSD	170.81	3.9846	7.7632	4.6780	.98932	.21944	11.574	3.1851	4.8298	5.5089	.86725
#1	-.00050	.01218	.01763	.47746	.10137	.01016	.01191	.00963	.01682	.06701	.00995
#2	.00529	.01151	.01580	.51012	.10280	.01013	.01403	.01007	.01801	.06199	.00983
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02212**	F **.02124**
Stddev	.00016	.00256
%RSD	.72608	12.040
#1	.02201	.02305
#2	.02223	.01943
Check ?	Chk Pass	Chk Fail
Value		.01500
Range		30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3649.4**	**61932.**	**4951.7**
Stddev	7.2	88.	30.0
%RSD	.19710	.14249	.60603
#1	3644.3	61870.	4930.4
#2	3654.5	61994.	4972.9

Sample Name: mb 280-83072/1-a Acquired: 8/26/2011 14:47:37 Type: Unk
Method: 6500_026(v8) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83072 SOIL 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00028	.00546	.00423	W .00640	.00052	-.00007	-.00253	.04135	-.00029	-.00009
Stddev	.00041	.00133	.00248	.00043	.00020	.00002	.00033	.00380	.00016	.00001
%RSD	147.35	24.390	58.468	6.6932	38.126	32.614	12.840	9.1952	55.684	5.8382
#1	.00057	.00641	.00248	.00610	.00038	-.00008	-.00276	.04404	-.00018	-.00010
#2	-.00001	.00452	.00598	.00671	.00065	-.00005	-.00230	.03866	-.00041	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00500						
Low Limit				-.00500						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00028	.00105	.02614	.02456	-.00112	.00945	.00029	-.00012	.07185	.00041
Stddev	.00018	.00024	.00026	.01412	.00523	.00201	.00011	.00027	.00307	.00006
%RSD	63.358	22.706	.97851	57.477	468.96	21.273	36.664	220.03	4.2703	15.073
#1	.00016	.00122	.02596	.03454	-.00481	.01087	.00037	-.00032	.06968	.00037
#2	.00041	.00088	.02632	.01458	.00258	.00803	.00022	.00007	.07402	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00774	-.00058	.02115	.00101	.00024	-.00482	.00965	.00007	-.00072	-.00030
Stddev	.00119	.00017	.00576	.00073	.00197	.00636	.00010	.00001	.00073	.00047
%RSD	15.388	29.861	27.225	71.998	806.88	131.83	1.0691	7.9945	100.95	157.12
#1	.00690	-.00046	.02523	.00050	.00163	-.00932	.00957	.00006	-.00021	-.00064
#2	.00858	-.00071	.01708	.00153	-.00115	-.00033	.00972	.00007	-.00124	.00003
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00500									
Low Limit	-.00500									

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00076	-.00792	-.00031	.00215	.00334
Stddev	.00007	.01409	.00010	.00065	.00313
%RSD	8.7909	177.88	31.770	30.356	93.663
#1	-.00072	-.01788	-.00024	.00262	.00113
#2	-.00081	.00204	-.00038	.00169	.00555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3680.7	63155.	5029.2
Stddev	.0	36.	16.0
%RSD	.00032	.05744	.31760
#1	3680.7	63130.	5040.5
#2	3680.7	63181.	5017.9

Sample Name: lcs 280-83072/2-a Acquired: 8/26/2011 14:50:13 Type: Unk
Method: 6500_026(v8) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83072 SOIL 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04747**	**1.8378**	**.98505**	**.96314**	**1.9614**	**.04901**	F **2.2382**	**47.463**	**.10310**	**.47680**
Stddev	.00070	.0026	.00720	.00066	.0041	.00023	.0096	.131	.00015	.00014
%RSD	1.4769	.13913	.73142	.06876	.20838	.47256	.42817	.27517	.14998	.02878
#1	.04797	1.8396	.99014	.96267	1.9643	.04917	2.2450	47.556	.10300	.47670
#2	.04697	1.8360	.97995	.96361	1.9585	.04884	2.2314	47.371	.10321	.47689
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19361**	**.24670**	**.98088**	**48.007**	**.98168**	**48.106**	**.48480**	**.99837**	**50.436**	**.47920**
Stddev	.00019	.00068	.00518	.131	.00223	.083	.00052	.00195	.550	.00030
%RSD	.09608	.27371	.52851	.27256	.22756	.17194	.10784	.19530	1.0906	.06315
#1	.19348	.24623	.98455	48.100	.98010	48.048	.48443	.99974	50.825	.47899
#2	.19374	.24718	.97722	47.915	.98326	48.165	.48517	.99699	50.047	.47942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7370**	**.48692**	**.01997**	**.49120**	**1.9499**	**2.5626**	**1.9589**	**.98862**	**.94523**	**.97851**
Stddev	.0041	.00019	.00325	.00103	.0055	.0178	.0004	.00325	.00153	.00180
%RSD	.04218	.03879	16.270	.20914	.28129	.69527	.01852	.32915	.16224	.18440
#1	9.7399	.48705	.01767	.49193	1.9537	2.5500	1.9587	.99092	.94415	.97724
#2	9.7341	.48679	.02227	.49048	1.9460	2.5752	1.9592	.98632	.94631	.97979
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9175**	**2.0734**	**.49423**	**.48166**	**.51122**
Stddev	.0054	.0056	.00152	.00209	.00137
%RSD	.28341	.27221	.30657	.43348	.26818
#1	1.9214	2.0774	.49316	.48018	.51025
#2	1.9137	2.0694	.49531	.48313	.51219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3498.0**	**59779.**	**4961.4**
Stddev	17.7	64.	12.7
%RSD	.50495	.10627	.25544
#1	3510.5	59824.	4970.4
#2	3485.5	59734.	4952.5

Sample Name: 280-19511-a-1-a Acquired: 8/26/2011 14:52:32 Type: Unk
Method: 6500_026(v8) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83072 SOIL 6010

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**80.932**	**.02694**	**.01854**	**.73110**	**.00380**	**.01238**	**35.871**	**.00116**	**.06735**
Stddev	.00031	.088	.00335	.00030	.00032	.00002	.00045	.055	.00019	.00011
%RSD	72.399	.10899	12.447	1.6286	.04337	.40591	3.6453	.15357	16.216	.16833
#1	.00065	80.994	.02931	.01876	.73132	.00379	.01270	35.910	.00103	.06743
#2	.00021	80.870	.02457	.01833	.73087	.00381	.01206	35.832	.00129	.06727
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09900**	**.12667**	**167.86**	**13.699**	**.06968**	**37.209**	**3.0598**	**.00426**	**2.0206**	**.09925**
Stddev	.00011	.00049	.30	.032	.00264	.008	.0024	.00133	.0024	.00016
%RSD	.11613	.39065	.17664	.23171	3.7850	.02199	.07676	31.158	.12149	.15901
#1	.09892	.12632	168.07	13.721	.06781	37.214	3.0582	.00332	2.0223	.09936
#2	.09908	.12702	167.65	13.676	.07154	37.203	3.0615	.00520	2.0188	.09914
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.1860**	**.05466**	**3.0595**	**.00250**	**.00348**	**3.4631**	**-.01210**	**.23920**	**.02565**	W **10.711**
Stddev	.0164	.00020	.0045	.00061	.00204	.0063	.00039	.00038	.00234	.045
%RSD	.26548	.35902	.14541	24.285	58.782	.18287	3.2439	.15913	9.1103	.41883
#1	6.1976	.05452	3.0564	.00293	.00203	3.4676	-.01238	.23947	.02400	10.743
#2	6.1744	.05480	3.0627	.00207	.00492	3.4586	-.01183	.23893	.02730	10.679
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										10.000
Low Limit										-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00385**	**.04012**	**.29725**	**.43444**	**.16317**
Stddev	.00026	.04883	.00006	.00019	.00066
%RSD	6.6773	121.70	.02085	.04346	.40251
#1	.00404	.07465	.29721	.43430	.16271
#2	.00367	.00560	.29730	.43457	.16364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3823.1**	**63686.**	**5355.0**
Stddev	9.3	41.	4.9
%RSD	.24259	.06502	.09222
#1	3816.5	63715.	5351.5
#2	3829.6	63657.	5358.5

Sample Name: 280-19511-a-1-a SD@5 Acquired: 8/26/2011 14:55:08 Type: Unk
Method: 6500_026(v8) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83072 SOIL 6010

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00042	17.449	.00677	.00705	.15642	.00081	-.00088	7.6777	-.00013	.01497
Stddev	.00009	.063	.00225	.00059	.00080	.00001	.00108	.0402	.00032	.00016
%RSD	21.611	.35843	33.186	8.3644	.50907	1.3802	122.82	.52343	253.00	1.0630
#1	.00036	17.494	.00518	.00747	.15699	.00080	-.00012	7.7061	.00010	.01508
#2	.00048	17.405	.00836	.00663	.15586	.00082	-.00164	7.6492	-.00035	.01486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02114	.02694	35.817	2.8898	.01906	8.0516	.65560	-.00015	.44919	.02185
Stddev	.00036	.00023	.181	.0262	.00247	.0043	.00061	.00001	.01189	.00021
%RSD	1.7183	.84457	.50536	.90686	12.950	.05278	.09349	6.6935	2.6464	.96905
#1	.02088	.02711	35.945	2.9083	.02080	8.0546	.65517	-.00015	.45760	.02200
#2	.02139	.02678	35.689	2.8712	.01731	8.0486	.65603	-.00014	.44079	.02170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.3167	.01065	.65065	-.00152	-.00118	.70732	-.00336	.05121	.00455	2.2642
Stddev	.0065	.00072	.00105	.00105	.00205	.02806	.00023	.00039	.00095	.0026
%RSD	.49462	6.7435	.16169	69.104	174.08	3.9672	6.9643	.76092	20.960	.11458
#1	1.3213	.01116	.65139	-.00078	-.00262	.68748	-.00352	.05149	.00388	2.2660
#2	1.3121	.01014	.64991	-.00227	.00027	.72716	-.00319	.05094	.00523	2.2624
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00119	-.00308	.06250	.09484	.03683
Stddev	.00028	.02522	.00049	.00045	.00056
%RSD	23.327	819.98	.78956	.47787	1.5250
#1	.00099	.01476	.06215	.09452	.03723
#2	.00139	-.02091	.06285	.09517	.03644
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3717.1	62893.	5082.4
Stddev	9.5	130.	6.9
%RSD	.25434	.20716	.13568
#1	3710.4	62985.	5077.5
#2	3723.7	62801.	5087.3

Sample Name: 280-19511-a-1-d du Acquired: 8/26/2011 14:57:39 Type: Unk
Method: 6500_026(v8) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83072 SOIL 6010

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00088**	**88.649**	**.02795**	**.01763**	**.78318**	**.00412**	**.01385**	**39.406**	**.00155**	**.07452**
Stddev	.00031	.216	.00254	.00106	.00130	.00008	.00010	.119	.00004	.00042
%RSD	34.683	.24373	9.0947	6.0332	.16646	1.9768	.72282	.30178	2.6037	.56179
#1	-.00066	88.802	.02615	.01839	.78410	.00417	.01392	39.490	.00158	.07482
#2	-.00110	88.497	.02974	.01688	.78225	.00406	.01378	39.322	.00152	.07422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10485**	**.14537**	**187.54**	**14.767**	**.07399**	**41.462**	**3.4173**	**.00053**	**2.1499**	**.11000**
Stddev	.00006	.00039	.72	.020	.00241	.072	.0051	.00026	.0111	.00028
%RSD	.05472	.27159	.38247	.13859	3.2582	.17310	.14881	48.356	.51736	.25741
#1	.10489	.14509	188.05	14.782	.07570	41.411	3.4137	.00071	2.1578	.10980
#2	.10481	.14565	187.03	14.753	.07229	41.513	3.4209	.00035	2.1420	.11020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.9713**	**.06869**	**3.3183**	**-.00468**	**-.00442**	**3.5223**	**-.01598**	**.28252**	**.02666**	W **11.885**
Stddev	.0110	.00117	.0105	.00324	.00314	.0271	.00087	.00089	.00074	.015
%RSD	.15731	1.7070	.31511	69.304	70.987	.77063	5.4184	.31679	2.7719	.12272
#1	6.9791	.06786	3.3109	-.00239	-.00220	3.5031	-.01537	.28315	.02614	11.875
#2	6.9636	.06951	3.3257	-.00697	-.00664	3.5414	-.01659	.28188	.02719	11.896
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										10.000
Low Limit										-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00463**	**.07091**	**.32415**	**.48176**	**.18665**
Stddev	.00006	.00785	.00099	.00151	.00350
%RSD	1.2865	11.074	.30556	.31253	1.8756
#1	.00458	.07646	.32485	.48069	.18418
#2	.00467	.06536	.32345	.48282	.18913
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3832.0**	**64268.**	**5472.2**
Stddev	33.3	596.	9.9
%RSD	.86961	.92778	.18112
#1	3808.4	64690.	5465.2
#2	3855.6	63847.	5479.2

Sample Name: 280-19511-a-1-e ms Acquired: 8/26/2011 15:00:15 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83072 SOIL 6010

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04255**	**118.74**	**.93416**	**.92288**	**2.7377**	**.04904**	**2.0646**	**94.472**	**.09711**	**.51217**
Stddev	.00040	.11	.00044	.00113	.0022	.00014	.0015	.153	.00031	.00055
%RSD	.93316	.09272	.04747	.12286	.07896	.28876	.07199	.16222	.31939	.10789
#1	.04227	118.66	.93447	.92208	2.7362	.04894	2.0636	94.364	.09733	.51178
#2	.04283	118.82	.93385	.92368	2.7392	.04914	2.0657	94.581	.09689	.51256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30770**	**.39232**	**201.24**	**63.042**	**.99004**	**90.887**	**4.1415**	**.88752**	**51.122**	**.56142**
Stddev	.00042	.00125	.02	.117	.00430	.016	.0306	.00251	.089	.00005
%RSD	.13504	.31912	.00941	.18514	.43440	.01720	.73839	.28305	.17479	.00960
#1	.30799	.39144	201.25	62.960	.99308	90.898	4.1632	.88930	51.185	.56138
#2	.30740	.39321	201.23	63.125	.98700	90.876	4.1199	.88575	51.058	.56146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.808**	**.51683**	**3.9953**	**.25503**	**1.7807**	**6.0397**	**1.7008**	**1.2993**	**.90563**	W **13.970**
Stddev	.024	.00210	.0137	.00284	.0010	.0241	.0043	.0016	.00181	.045
%RSD	.14909	.40561	.34198	1.1128	.05779	.39863	.25041	.12405	.20033	.32197
#1	15.825	.51535	4.0050	.25703	1.7814	6.0227	1.6978	1.2982	.90691	14.001
#2	15.792	.51831	3.9857	.25302	1.7799	6.0567	1.7038	1.3004	.90435	13.938
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										10.000
Low Limit										-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.6904**	**1.9108**	**.80435**	**.95384**	**.68731**
Stddev	.0005	.0219	.00174	.00067	.00090
%RSD	.03068	1.1472	.21678	.07068	.13134
#1	1.6908	1.8953	.80311	.95432	.68667
#2	1.6900	1.9263	.80558	.95336	.68795
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3794.5**	**63553.**	**5478.4**
Stddev	6.9	329.	23.0
%RSD	.18268	.51756	.42016
#1	3789.6	63320.	5494.7
#2	3799.4	63785.	5462.1

Sample Name: 280-19511-a-2-a Acquired: 8/26/2011 15:02:43 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83072 SOIL 6010

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00049**	**78.865**	**.03160**	**.01608**	**.64694**	**.00369**	**.01366**	**36.571**	**.00131**	**.07369**
Stddev	.00033	.071	.00171	.00062	.00301	.00001	.00050	.077	.00003	.00029
%RSD	66.143	.08951	5.4058	3.8471	.46598	.19088	3.6386	.20952	2.0133	.38824
#1	-.00072	78.815	.03281	.01651	.64480	.00369	.01330	36.516	.00129	.07389
#2	-.00026	78.914	.03040	.01564	.64907	.00370	.01401	36.625	.00133	.07349
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10605**	**.15211**	**179.01**	**12.334**	**.06892**	**37.115**	**3.0316**	**.00470**	**1.9150**	**.10360**
Stddev	.00063	.00031	.54	.106	.00052	.005	.0019	.00121	.0081	.00000
%RSD	.58954	.20234	.30022	.85922	.75800	.01302	.06204	25.789	.42524	.00031
#1	.10561	.15233	178.63	12.259	.06928	37.111	3.0302	.00384	1.9092	.10360
#2	.10650	.15189	179.39	12.409	.06855	37.118	3.0329	.00555	1.9207	.10360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.5519**	**.07388**	**6.0114**	**-.00086**	**.01007**	**3.1834**	**-.01308**	**.22738**	**.02459**	W **11.561**
Stddev	.0014	.00007	.0172	.00106	.00509	.0541	.00113	.00053	.00070	.089
%RSD	.02140	.10079	.28579	122.93	50.576	1.7012	8.6370	.23383	2.8362	.77212
#1	6.5529	.07394	6.0235	-.00011	.00647	3.1451	-.01388	.22700	.02409	11.498
#2	6.5510	.07383	5.9992	-.00161	.01367	3.2217	-.01228	.22775	.02508	11.624
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										10.000
Low Limit										-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00464**	**.06331**	**.30938**	**.51204**	**.16541**
Stddev	.00002	.01249	.00101	.00095	.00278
%RSD	.53110	19.723	.32490	.18585	1.6834
#1	.00466	.07214	.30866	.51271	.16344
#2	.00462	.05448	.31009	.51136	.16738
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3813.6**	**64461.**	**5340.9**
Stddev	4.3	149.	8.1
%RSD	.11355	.23076	.15173
#1	3810.6	64566.	5346.6
#2	3816.7	64356.	5335.2

Sample Name: CCVH-940568 Acquired: 8/26/2011 15:05:13 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01959**	**49.230**	**-.00063**	**.00464**	**.00048**	**-.00020**	**1.0010**	**.01044**	**-.00168**	**.00218**	**.00026**	**-.00083**	**50.215**
Stddev	.00092	.301	.00002	.00114	.00002	.00003	.0010	.00368	.00000	.00009	.00002	.00043	.278
%RSD	4.6868	.61172	2.5969	24.627	4.7765	14.627	.10123	35.256	.24532	4.1910	6.6887	51.554	.55359
#1	-.01894	49.443	-.00062	.00545	.00049	-.00022	1.0017	.01305	-.00169	.00211	.00025	-.00114	50.412
#2	-.02024	49.017	-.00064	.00383	.00046	-.00018	1.0002	.00784	-.00168	.00224	.00028	-.00053	50.018
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18393**	**.00330**	**-.10037**	**.00001**	**-.00220**	**254.21**	**.00140**	**.00635**	**-.00200**	**4.9972**	**-.00975**	**.01131**	**.01192**
Stddev	.01388	.00018	.00337	.00008	.00044	1.34	.00024	.00296	.00090	.0153	.00078	.00180	.01514
%RSD	7.5483	5.4256	3.3553	941.97	20.075	.52858	17.169	46.625	45.091	.30583	7.9527	15.917	127.00
#1	.19375	.00318	-.10276	.00007	-.00251	255.16	.00158	.00426	-.00264	5.0080	-.00920	.01258	.00122
#2	.17411	.00343	-.09799	-.00005	-.00189	253.26	.00123	.00845	-.00136	4.9864	-.01029	.01003	.02263
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00231**	**.00046**	**4.8773**	**.00657**	**.00391**	**10.349**	**-.00794**	**.00275**	**.04980**
Stddev	.00054	.00011	.0046	.00165	.00097	.012	.00038	.00025	.00099
%RSD	23.464	24.336	.09398	25.085	24.874	.11440	4.7640	9.2487	1.9950
#1	.00192	.00038	4.8741	.00773	.00322	10.357	-.00821	.00293	.05050
#2	.00269	.00054	4.8806	.00540	.00460	10.341	-.00767	.00257	.04910
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3516.1**	**58854.**	**4887.1**
Stddev	.5	121.	37.1
%RSD	.01560	.20478	.75842
#1	3515.7	58939.	4860.9
#2	3516.4	58769.	4913.3

Sample Name: CCV-940591 Acquired: 8/26/2011 15:07:49 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50194**	**.50470**	**1.0078**	**.50245**	**.49373**	**.49515**	**.00112**	**4.8959**	**.50966**	**.49360**	**.49377**	**.50382**	**2.4891**
Stddev	.00042	.00827	.0025	.00104	.00177	.00137	.00262	.0228	.00004	.00008	.00017	.00016	.0130
%RSD	.08385	1.6387	.24723	.20664	.35884	.27586	234.38	.46609	.00763	.01636	.03527	.03154	.52091
#1	.50165	.49886	1.0060	.50172	.49498	.49612	-.00073	4.9120	.50963	.49355	.49364	.50371	2.4983
#2	.50224	.51055	1.0095	.50319	.49248	.49419	.00297	4.8797	.50968	.49366	.49389	.50393	2.4800
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.239**	**.99137**	**19.962**	**.50121**	**.50399**	**5.2228**	**.50072**	**.96006**	**1.0156**	**-.00084**	**.99704**	**.99899**	**4.7341**
Stddev	.159	.00502	.000	.00061	.00111	.0529	.00040	.00470	.0005	.00330	.00146	.00099	.0010
%RSD	.33031	.50653	.00191	.12082	.22064	1.0123	.07919	.48906	.05362	391.83	.14667	.09865	.02198
#1	48.351	.99492	19.961	.50078	.50478	5.2601	.50044	.95674	1.0152	-.00318	.99808	.99829	4.7348
#2	48.126	.98782	19.962	.50163	.50320	5.1854	.50100	.96338	1.0160	.00149	.99601	.99969	4.7333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0065**	**.49766**	**-.00195**	**.48827**	**.99652**	**.03564**	**.50052**	**.50019**	**.50576**
Stddev	.0029	.00156	.00294	.00019	.00142	.00389	.00111	.00016	.00180
%RSD	.29017	.31349	151.05	.03938	.14206	10.923	.22232	.03279	.35528
#1	1.0086	.49877	.00013	.48841	.99752	.03289	.49973	.50030	.50703
#2	1.0044	.49656	-.00403	.48814	.99552	.03839	.50131	.50007	.50448
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3579.4**	**60504.**	**4955.0**
Stddev	3.4	13.	14.8
%RSD	.09388	.02085	.29796
#1	3581.8	60496.	4965.5
#2	3577.0	60513.	4944.6

Sample Name: CCB Acquired: 8/26/2011 15:10:10 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00237**	W **.00641**	W **.00294**	**.00034**	**.00001**	**-.00101**	**-.00293**	**-.00036**	**.00038**	**.00000**
Stddev	.00020	.00122	.00304	.00041	.00003	.00005	.00168	.00342	.00001	.00026	.00025
%RSD	144.85	51.351	47.515	13.807	10.081	527.86	166.40	116.82	3.3740	67.682	6402.8
#1	.00027	.00323	.00426	.00323	.00032	.00005	-.00220	-.00535	-.00037	.00020	-.00017
#2	.00000	.00151	.00856	.00265	.00036	-.00003	.00018	-.00051	-.00035	.00056	.00018
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00440	.00156							
Low Limit			-.00440	-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00214**	**.05026**	W **.00430**	**.00771**	**-.00001**	**.00203**	**.04107**	**.00040**	**.00063**	**-.00124**
Stddev	.00030	.00378	.01965	.00280	.00013	.00001	.00050	.01335	.00010	.00042	.00188
%RSD	2964.9	176.77	39.098	65.108	1.7061	130.96	24.867	32.514	25.190	67.565	152.12
#1	-.00023	.00481	.06415	.00232	.00780	.00000	.00167	.05051	.00033	.00093	.00009
#2	.00020	-.00053	.03636	.00628	.00762	-.00002	.00239	.03163	.00047	.00033	-.00257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00100**	F **.01234**	**.00389**	**-.00464**	**.00045**	**-.00007**	**.00042**	**.00037**	**.00125**	**.00779**	**-.00057**
Stddev	.00075	.00451	.00345	.03594	.00065	.00000	.00032	.00025	.00035	.00499	.00060
%RSD	74.797	36.545	88.608	774.98	146.42	6.6091	75.448	67.822	27.763	63.989	104.27
#1	.00153	.00915	.00145	.02078	.00091	-.00006	.00020	.00019	.00101	.01132	-.00015
#2	.00047	.01553	.00634	-.03005	-.00002	-.00007	.00064	.00055	.00150	.00427	-.00099
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00119**	W **.00409**
Stddev	.00065	.00027
%RSD	54.549	6.7025
#1	.00073	.00429
#2	.00165	.00390
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3639.2**	**61934.**	**4958.7**
Stddev	9.4	68.	5.8
%RSD	.25792	.10917	.11731
#1	3632.6	61886.	4962.8
#2	3645.9	61982.	4954.6

Sample Name: CCVL946273 Acquired: 8/26/2011 15:12:44 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01060**	**.10112**	F **.02087**	**.10587**	**.01032**	**.00093**	**.11808**	**.18933**	**.00490**	**.01027**	**.01002**	**.01603**
Stddev	.00019	.00029	.00200	.00011	.00012	.00008	.00173	.00241	.00005	.00032	.00003	.00018
%RSD	1.8099	.28648	9.5766	.10022	1.1516	8.9087	1.4619	1.2717	1.0716	3.1620	.27701	1.0954
#1	.01046	.10132	.02229	.10579	.01024	.00087	.11930	.19103	.00486	.01004	.01004	.01615
#2	.01073	.10091	.01946	.10594	.01041	.00098	.11686	.18763	.00494	.01050	.01000	.01590
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500									
Range			30.000%									

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10297**	**2.9087**	F **.01321**	**.21085**	**.01040**	**.01985**	**1.0978**	**.04138**	**2.8649**	**.00999**	**-.00154**	F **.01453**
Stddev	.00212	.1250	.00100	.00188	.00010	.00017	.0158	.00055	.0028	.00108	.00188	.00021
%RSD	2.0553	4.2957	7.5854	.89384	.99505	.84209	1.4346	1.3312	.09922	10.843	122.44	1.4161
#1	.10147	2.9970	.01250	.21218	.01033	.01973	1.0867	.04099	2.8669	.00923	-.00021	.01467
#2	.10447	2.8203	.01392	.20951	.01048	.01997	1.1090	.04177	2.8629	.01076	-.00287	.01438
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail
Value			.01000									.01000
Range			30.000%									30.000%

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01520**	**.47114**	**.10126**	**.01009**	**.01271**	**.00993**	**.01737**	**.05418**	**.00982**	**.02173**	**.01702**
Stddev	.00171	.00532	.00083	.00010	.00031	.00027	.00140	.01844	.00051	.00046	.00491
%RSD	11.245	1.1294	.81642	.95766	2.4106	2.7186	8.0719	34.042	5.2204	2.1056	28.870
#1	.01640	.46737	.10067	.01016	.01249	.01012	.01837	.06722	.01018	.02205	.02050
#2	.01399	.47490	.10184	.01003	.01292	.00974	.01638	.04114	.00946	.02140	.01355
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3634.4**	**61439.**	**4978.4**
Stddev	3.3	3.	34.3
%RSD	.09161	.00413	.68870
#1	3636.7	61437.	4954.2
#2	3632.0	61440.	5002.6

Sample Name: lb 280-82923/1-c Acquired: 8/26/2011 15:15:17 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83070 TCLP 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00125	.00252	.00378	W .00913	F .01490	-.00010	-.00149	.08771	.00005	.00027
Stddev	.00052	.00067	.00291	.00080	.00007	.00003	.00160	.00319	.00001	.00019
%RSD	41.658	26.637	76.958	8.7866	.44188	25.365	107.24	3.6335	17.837	71.818
#1	.00162	.00204	.00172	.00856	.01494	-.00009	-.00262	.08996	.00005	.00013
#2	.00088	.00299	.00584	.00969	.01485	-.00012	-.00036	.08545	.00006	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00500	.01000					
Low Limit				-.00500	-.01000					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00075	F .01211	.00929	.16349	.00043	.02141	.00064	-.00040	265.66	.00037
Stddev	.00001	.00057	.00458	.01705	.00116	.00129	.00002	.00025	.92	.00005
%RSD	1.9700	4.7010	49.319	10.426	271.90	6.0027	2.7715	64.163	.34569	14.490
#1	.00076	.01252	.01252	.15144	.00124	.02050	.00065	-.00022	266.31	.00040
#2	.00074	.01171	.00605	.17555	-.00039	.02232	.00063	-.00058	265.01	.00033
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit		.01000								
Low Limit		-.01000								

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00318	F .00383	.00996	-.00033	-.00056	.01139	-.00094	.00033	-.00088	.00005
Stddev	.00261	.00118	.00442	.00182	.00188	.01289	.00075	.00014	.00045	.00018
%RSD	82.048	30.829	44.349	544.66	338.19	113.16	80.219	40.934	51.633	369.15
#1	.00134	.00466	.00684	.00095	.00077	.02050	-.00147	.00024	-.00120	.00018
#2	.00503	.00299	.01309	-.00162	-.00189	.00228	-.00041	.00043	-.00056	-.00008
Check ?	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00300								
Low Limit		-.00300								

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00008	.00642	.00001	.00458	.00136
Stddev	.00143	.02743	.00063	.00012	.00161
%RSD	1694.5	427.51	6161.6	2.5321	118.57
#1	-.00110	.02581	-.00044	.00466	.00022
#2	.00093	-.01298	.00046	.00450	.00249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3508.3	58856.	5018.1
Stddev	10.6	66.	10.0
%RSD	.30203	.11154	.19930
#1	3500.8	58809.	5011.0
#2	3515.8	58902.	5025.2

Sample Name: lcs 280-82923/2-c Acquired: 8/26/2011 15:17:57 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83070 TCLP 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20984	.37108	.82020	.19963	2.3729	.00963	.44703	9.4349	.22883	.09657
Stddev	.00032	.00395	.00069	.00270	.0084	.00004	.00124	.0217	.00014	.00012
%RSD	.15214	1.0651	.08461	1.3545	.35549	.40445	.27643	.23037	.06041	.12328
#1	.20962	.37388	.81971	.20154	2.3670	.00960	.44790	9.4195	.22893	.09665
#2	.21007	.36829	.82069	.19772	2.3789	.00965	.44616	9.4502	.22873	.09648
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0032	.46490	.20214	9.8128	.19892	9.5434	.09856	.19864	F 264.91	.09739
Stddev	.0019	.00087	.00181	.0235	.00473	.0102	.00001	.00080	.54	.00000
%RSD	.18765	.18706	.89678	.23919	2.3767	.10723	.00849	.40256	.20425	.00340
#1	1.0045	.46552	.20086	9.7962	.19558	9.5506	.09855	.19920	264.53	.09739
#2	1.0018	.46429	.20342	9.8294	.20227	9.5361	.09856	.19807	265.29	.09739
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									12.000	
Low Limit									8.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.9651	1.0918	.00892	.10237	.60327	F 1.8436	.38991	.19644	.19060	.19466
Stddev	.0024	.0078	.00423	.00091	.00195	.0190	.00006	.00074	.00134	.00005
%RSD	.12007	.71399	47.411	.88696	.32323	1.0298	.01655	.37417	.70535	.02395
#1	1.9667	1.0973	.01192	.10173	.60465	1.8570	.38986	.19592	.18965	.19469
#2	1.9634	1.0863	.00593	.10301	.60189	1.8302	.38995	.19696	.19155	.19463
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.48000				
Low Limit						.32000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.37299	.41499	.10469	.50412	.10373
Stddev	.00220	.01752	.00000	.00086	.00089
%RSD	.58908	4.2208	.00106	.17112	.86194
#1	.37144	.40260	.10470	.50473	.10310
#2	.37455	.42737	.10469	.50351	.10436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3530.3	58931.	5052.4
Stddev	7.8	127.	15.0
%RSD	.22233	.21486	.29693
#1	3524.7	59020.	5041.8
#2	3535.8	58841.	5063.0

Sample Name: 280-19454-a-7-c Acquired: 8/26/2011 15:20:28 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83070 TCLP 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00030	.09729	.00570	.01449	.06517	.00001	-.00434	12.524	-.00011	.00194
Stddev	.00014	.00050	.00443	.00003	.00019	.00003	.00508	.019	.00029	.00000
%RSD	47.379	.51329	77.705	.18476	.29596	209.80	116.87	.14876	277.54	.10601
#1	.00040	.09765	.00882	.01451	.06531	-.00001	-.00075	12.537	-.00031	.00194
#2	.00020	.09694	.00257	.01447	.06503	.00003	-.00793	12.511	.00010	.00194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21771	.00565	.04610	.85679	.00357	.81539	.09578	.00055	260.14	.00147
Stddev	.00026	.00005	.00315	.03098	.00100	.00009	.00028	.00009	.00	.00007
%RSD	.11885	.82774	6.8332	3.6154	28.089	.01154	.28937	16.874	.00122	4.7269
#1	.21789	.00568	.04833	.87869	.00286	.81532	.09558	.00062	260.13	.00152
#2	.21752	.00561	.04387	.83489	.00428	.81545	.09597	.00049	260.14	.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00741	.00000	.48829	.00141	.00377	.59735	.00189	.03619	.00037	.00151
Stddev	.00175	.00079	.00085	.00069	.00114	.00783	.00065	.00014	.00240	.00002
%RSD	23.620	24044.	.17475	48.899	30.198	1.3111	34.416	.39843	649.41	1.1343
#1	.00617	-.00056	.48890	.00190	.00296	.60288	.00234	.03629	.00206	.00153
#2	.00865	.00056	.48769	.00093	.00457	.59181	.00143	.03609	-.00133	.00150
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00009	.01730	-.00182	.00538	.00222
Stddev	.00128	.01870	.00041	.00015	.00003
%RSD	1380.1	108.09	22.446	2.7291	1.2307
#1	-.00082	.00408	-.00211	.00549	.00224
#2	.00100	.03053	-.00153	.00528	.00220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3535.9	59197.	5046.2
Stddev	1.7	25.	26.5
%RSD	.04758	.04278	.52576
#1	3534.7	59215.	5027.4
#2	3537.1	59179.	5064.9

Sample Name: 280-19454-a-8-e Acquired: 8/26/2011 15:23:07 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83070 TCLP 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.12198**	**.00342**	**.02058**	**.06422**	**.00001**	**-.00283**	**12.116**	**-.00033**	**.00166**
Stddev	.00052	.00176	.00074	.00016	.00008	.00009	.00102	.015	.00001	.00022
%RSD	98.572	1.4391	21.720	.75406	.11693	822.30	35.994	.12470	4.3135	13.519
#1	.00016	.12074	.00290	.02069	.06427	-.00005	-.00354	12.127	-.00034	.00182
#2	.00090	.12322	.00395	.02047	.06416	.00007	-.00211	12.105	-.00032	.00150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44467**	**.01836**	**.06819**	**.94810**	**.00402**	**.93039**	**.09197**	**-.00014**	**270.60**	**.00165**
Stddev	.00058	.00026	.00254	.00148	.00042	.00365	.00016	.00015	.14	.00010
%RSD	.13024	1.4345	3.7246	.15651	10.389	.39268	.17503	107.06	.04999	6.3364
#1	.44426	.01855	.06998	.94914	.00373	.92780	.09185	-.00024	270.50	.00157
#2	.44508	.01817	.06639	.94705	.00432	.93297	.09208	-.00003	270.69	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01570**	**-.00016**	**.16876**	**.00084**	**.00060**	**.55538**	**-.00023**	**.03860**	**-.00067**	**.00335**
Stddev	.00013	.00005	.00696	.00202	.00470	.06281	.00014	.00013	.00043	.00034
%RSD	.85278	30.322	4.1233	239.39	780.76	11.310	60.690	.33856	63.976	9.9966
#1	.01560	-.00019	.17368	.00227	-.00272	.59979	-.00013	.03869	-.00037	.00312
#2	.01579	-.00013	.16384	-.00058	.00393	.51096	-.00033	.03850	-.00098	.00359
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**-.01433**	**-.00055**	**.00672**	**.00257**
Stddev	.00160	.00963	.00016	.00007	.00084
%RSD	1245.8	67.209	29.479	1.0083	32.535
#1	-.00126	-.00752	-.00067	.00677	.00316
#2	.00100	-.02114	-.00044	.00667	.00198
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3528.8**	**59322.**	**5044.3**
Stddev	1.1	97.	21.8
%RSD	.02993	.16279	.43297
#1	3529.6	59254.	5028.9
#2	3528.1	59390.	5059.8

Sample Name: 280-19454-a-8-eSD@5 Acquired: 8/26/2011 15:25:47 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83070 TCLP 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00130**	**.06432**	**.00146**	**.00512**	**.01302**	**.00001**	**-.00156**	**2.4350**	**-.00014**	**.00059**
Stddev	.00010	.00034	.00143	.00027	.00003	.00003	.00090	.0043	.00003	.00007
%RSD	7.7075	.52177	97.655	5.3090	.23958	474.92	57.562	.17825	20.641	12.673
#1	.00137	.06455	.00248	.00492	.01300	.00003	-.00220	2.4380	-.00012	.00054
#2	.00123	.06408	.00045	.00531	.01304	-.00002	-.00093	2.4319	-.00015	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08857**	**.00355**	**.01425**	**.21074**	**.00656**	**.19604**	**.01851**	**-.00064**	**55.023**	**.00060**
Stddev	.00032	.00036	.00048	.01012	.00121	.00189	.00003	.00001	.290	.00034
%RSD	.35806	10.107	3.3470	4.8027	18.458	.96205	.13836	1.5614	.52786	56.512
#1	.08835	.00330	.01391	.20358	.00571	.19737	.01849	-.00063	55.228	.00084
#2	.08880	.00381	.01459	.21790	.00742	.19470	.01853	-.00064	54.817	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00250**	**-.00017**	**.03292**	**-.00030**	**-.00293**	**.11213**	**-.00071**	**.00779**	**-.00072**	**.00036**
Stddev	.00225	.00030	.00578	.00012	.00531	.00178	.00016	.00008	.00064	.00069
%RSD	89.908	174.15	17.550	41.691	181.01	1.5858	21.953	.97556	89.225	190.31
#1	.00409	-.00038	.03700	-.00021	.00082	.11087	-.00082	.00784	-.00117	-.00012
#2	.00091	.00004	.02883	-.00039	-.00668	.11339	-.00060	.00773	-.00026	.00085
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**.00008**	**-.00040**	**.00397**	**.02271**
Stddev	.00106	.00105	.00026	.00009	.00253
%RSD	333.29	1358.2	64.910	2.1782	11.133
#1	-.00107	-.00066	-.00022	.00403	.02450
#2	.00043	.00082	-.00059	.00391	.02092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3605.6**	**61065.**	**5007.1**
Stddev	1.1	526.	28.9
%RSD	.03084	.86214	.57680
#1	3604.8	61437.	5027.5
#2	3606.4	60692.	4986.7

Sample Name: 280-19454-a-8-h du Acquired: 8/26/2011 15:28:25 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83070 TCLP 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.11065**	**.00323**	**.01837**	**.05837**	**-.00001**	**-.00170**	**11.043**	**-.00028**	**.00149**
Stddev	.00043	.00181	.00095	.00006	.00021	.00015	.00386	.003	.00001	.00006
%RSD	215.72	1.6365	29.396	.33797	.35815	2431.7	226.95	.02449	1.8922	3.8279
#1	-.00011	.10936	.00391	.01832	.05852	.00010	.00103	11.041	-.00028	.00153
#2	.00051	.11193	.00256	.01841	.05822	-.00011	-.00443	11.044	-.00029	.00145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40437**	**.01713**	**.06365**	**.80639**	**.00397**	**.85044**	**.08375**	**-.00068**	**245.85**	**.00245**
Stddev	.00087	.00042	.00269	.02213	.00037	.00006	.00009	.00024	.25	.00054
%RSD	.21425	2.4464	4.2185	2.7438	9.4281	.00761	.10686	36.017	.10231	21.863
#1	.40498	.01742	.06175	.82204	.00424	.85049	.08368	-.00050	246.03	.00283
#2	.40375	.01683	.06555	.79075	.00371	.85039	.08381	-.00085	245.68	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01631**	**-.00182**	**.15564**	**.00155**	**.00039**	**.49493**	**-.00049**	**.03524**	**-.00096**	**.00259**
Stddev	.00268	.00182	.00178	.00139	.00215	.00505	.00045	.00025	.00153	.00027
%RSD	16.436	99.766	1.1465	89.742	558.17	1.0206	92.025	.70632	159.68	10.409
#1	.01821	-.00311	.15691	.00253	-.00114	.49135	-.00081	.03507	-.00204	.00278
#2	.01442	-.00054	.15438	.00057	.00191	.49850	-.00017	.03542	.00012	.00240
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00055**	**-.00366**	**-.00009**	**.00726**	**.00518**
Stddev	.00074	.02590	.00074	.00038	.00306
%RSD	135.59	707.61	865.48	5.2327	59.136
#1	-.00107	.01466	-.00061	.00699	.00301
#2	-.00002	-.02198	.00044	.00753	.00735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3515.3**	**59218.**	**5053.3**
Stddev	.5	91.	18.0
%RSD	.01527	.15312	.35659
#1	3515.7	59282.	5066.1
#2	3515.0	59154.	5040.6

Sample Name: 280-19454-a-8-i ms Acquired: 8/26/2011 15:31:03 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83070 TCLP 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .21426	.49997	.83538	.21542	2.4805	.01004	.45586	21.243	.23539	.09936
Stddev	.00040	.00329	.00317	.00033	.0057	.00000	.00199	.039	.00071	.00027
%RSD	.18733	.65872	.37901	.15107	.23197	.02593	.43723	.18339	.29995	.27419
#1	.21398	.50230	.83762	.21565	2.4764	.01005	.45727	21.215	.23589	.09955
#2	.21454	.49764	.83314	.21519	2.4845	.01004	.45445	21.270	.23490	.09916
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000									
Low Limit	-.01000									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.4574	.48228	.26781	10.729	.20512	10.545	.18918	.20326	272.92	.09985
Stddev	.0006	.00040	.00713	.008	.00270	.006	.00013	.00098	.81	.00043
%RSD	.03980	.08284	2.6614	.07391	1.3162	.05894	.07007	.48131	.29634	.43359
#1	1.4578	.48256	.26277	10.734	.20703	10.550	.18909	.20395	272.34	.10015
#2	1.4570	.48200	.27285	10.723	.20321	10.541	.18928	.20256	273.49	.09954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.0370	1.1185	.17338	.10544	.61290	2.4477	.39626	.23768	.19128	.20341
Stddev	.0020	.0002	.00365	.00152	.00373	.0052	.00002	.00022	.00186	.00022
%RSD	.09808	.01967	2.1024	1.4418	.60794	.21418	.00612	.09370	.97172	.11057
#1	2.0384	1.1187	.17596	.10437	.61554	2.4514	.39625	.23752	.18996	.20357
#2	2.0356	1.1183	.17081	.10652	.61027	2.4440	.39628	.23784	.19259	.20325
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.38088	.45644	.10668	.51476	.10819
Stddev	.00121	.03156	.00025	.00176	.00041
%RSD	.31875	6.9147	.23387	.34130	.38029
#1	.38174	.47876	.10685	.51601	.10848
#2	.38002	.43413	.10650	.51352	.10790
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3499.8	58879.	5022.1
Stddev	2.7	49.	11.6
%RSD	.07572	.08328	.23130
#1	3501.6	58844.	5030.3
#2	3497.9	58914.	5013.9

Sample Name: 280-19386-a-1-d@5 Acquired: 8/26/2011 15:33:36 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00068	62.410	.02859	.03390	.72287	.00359	-.00304	26.430	.00244	.02959
Stddev	.00011	.042	.00372	.00027	.00158	.00006	.00075	.023	.00002	.00006
%RSD	15.856	.06741	13.011	.80749	.21827	1.5533	24.828	.08659	.83380	.20428
#1	.00060	62.440	.02596	.03370	.72176	.00355	-.00250	26.446	.00243	.02955
#2	.00075	62.380	.03122	.03409	.72399	.00363	-.00357	26.414	.00246	.02964
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07434	.07672	70.630	16.053	.06274	25.017	2.2533	.00203	1.1847	.07194
Stddev	.00032	.00020	.205	.012	.00014	.097	.0095	.00050	.0490	.00014
%RSD	.42418	.26103	.29055	.07330	.22046	.38609	.41975	24.448	4.1373	.20141
#1	.07412	.07686	70.775	16.045	.06284	25.085	2.2600	.00168	1.2193	.07205
#2	.07457	.07658	70.484	16.062	.06264	24.949	2.2466	.00238	1.1500	.07184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.6350	.05980	.66057	-.00228	.00218	.51576	-.00111	.15463	.02911	1.8642
Stddev	.0081	.00047	.00481	.00106	.00137	.00404	.00030	.00031	.00102	.0061
%RSD	.22186	.79162	.72794	46.651	62.740	.78245	26.723	.19809	3.5153	.32633
#1	3.6293	.06014	.66397	-.00153	.00121	.51861	-.00090	.15485	.02983	1.8685
#2	3.6407	.05947	.65717	-.00303	.00315	.51290	-.00132	.15441	.02839	1.8599
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00362	-.04421	.02888	.30965	.17569
Stddev	.00086	.00330	.00139	.00116	.00173
%RSD	23.666	7.4602	4.8276	.37528	.98498
#1	.00301	-.04187	.02987	.31047	.17447
#2	.00423	-.04654	.02789	.30882	.17691
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3819.8	63557.	5359.3
Stddev	3.5	209.	2.0
%RSD	.09105	.32919	.03681
#1	3817.4	63409.	5360.7
#2	3822.3	63705.	5357.9

Sample Name: 280-19386-a-4-d@5 Acquired: 8/26/2011 15:36:03 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00048	57.397	.02261	.02602	.75271	.00342	-.00197	33.317	.00268	.02974
Stddev	.00009	.309	.00092	.00004	.00298	.00008	.00454	.095	.00012	.00009
%RSD	18.049	.53749	4.0594	.13516	.39648	2.4475	229.75	.28531	4.5309	.30321
#1	.00042	57.615	.02326	.02599	.75482	.00348	-.00518	33.384	.00260	.02968
#2	.00054	57.178	.02196	.02604	.75060	.00336	.00123	33.250	.00277	.02981
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06960	.08097	67.626	15.338	.05961	24.824	2.3186	.00052	.82422	.07249
Stddev	.00008	.00011	.311	.054	.00310	.023	.0046	.00020	.00891	.00067
%RSD	.12202	.13995	.46050	.35328	5.2067	.09273	.19734	39.732	1.0811	.92278
#1	.06966	.08089	67.846	15.377	.05741	24.807	2.3153	.00066	.83052	.07202
#2	.06954	.08105	67.406	15.300	.06180	24.840	2.3218	.00037	.81792	.07296
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.9360	.06371	.75426	-.00401	-.00248	.35414	.00078	.15266	.02569	1.2595
Stddev	.0044	.00043	.00137	.00172	.00163	.01430	.00040	.00042	.00076	.0022
%RSD	.11099	.67961	.18142	42.846	65.464	4.0375	50.802	.27836	2.9749	.17036
#1	3.9329	.06401	.75329	-.00280	-.00133	.34403	.00050	.15296	.02515	1.2580
#2	3.9391	.06340	.75523	-.00523	-.00363	.36425	.00106	.15236	.02623	1.2610
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00145	-.02341	.01648	.30722	.16027
Stddev	.00102	.02366	.00015	.00086	.00297
%RSD	69.986	101.10	.88403	.28131	1.8555
#1	.00073	-.00667	.01637	.30661	.15816
#2	.00217	-.04014	.01658	.30783	.16237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3829.5	63822.	5348.8
Stddev	8.1	42.	9.4
%RSD	.21058	.06641	.17529
#1	3835.2	63792.	5342.2
#2	3823.8	63851.	5355.4

Sample Name: 280-19386-a-6-d@5 Acquired: 8/26/2011 15:38:30 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00036	65.634	.02342	.02821	.70460	.00378	-.00406	21.467	.00223	.03096
Stddev	.00037	.118	.00158	.00055	.00118	.00005	.00044	.019	.00000	.00019
%RSD	102.72	.18006	6.7600	1.9590	.16801	1.3300	10.934	.08648	.12199	.60731
#1	.00010	65.717	.02230	.02782	.70544	.00382	-.00438	21.480	.00223	.03083
#2	.00062	65.550	.02454	.02860	.70377	.00375	-.00375	21.453	.00223	.03110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07850	.08293	71.914	16.010	.06400	23.621	2.2845	.00011	.74940	.07890
Stddev	.00026	.00001	.284	.011	.00296	.013	.0013	.00033	.01608	.00014
%RSD	.33000	.01170	.39438	.06725	4.6269	.05348	.05499	291.32	2.1462	.18174
#1	.07868	.08292	72.114	16.002	.06609	23.630	2.2853	.00035	.76077	.07900
#2	.07831	.08293	71.713	16.017	.06191	23.612	2.2836	-.00012	.73803	.07880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.6649	.06528	.61290	-.00178	.00001	.51749	.00071	.12879	.02805	1.4949
Stddev	.0061	.00139	.00592	.00309	.00326	.02626	.00053	.00022	.00167	.0004
%RSD	.16615	2.1357	.96537	173.46	21922.	5.0751	73.839	.16869	5.9379	.02736
#1	3.6692	.06626	.61708	-.00397	-.00229	.53606	.00109	.12895	.02923	1.4946
#2	3.6606	.06429	.60872	.00040	.00232	.49892	.00034	.12864	.02687	1.4952
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00172	-.01614	.02673	.32331	.16735
Stddev	.00078	.00036	.00052	.00150	.00252
%RSD	45.240	2.2234	1.9600	.46436	1.5081
#1	.00226	-.01589	.02636	.32225	.16556
#2	.00117	-.01639	.02710	.32437	.16913
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3827.5	63433.	5331.7
Stddev	19.0	62.	36.4
%RSD	.49686	.09738	.68215
#1	3814.1	63390.	5357.4
#2	3841.0	63477.	5306.0

Sample Name: CCVH-940568 Acquired: 8/26/2011 15:40:57 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02043**	**49.007**	**.00182**	**.00198**	**.00090**	**-.00012**	**.99605**	**.00678**	**-.00165**	**.00212**	**.00011**	**-.00072**	**49.795**
Stddev	.00047	.091	.00234	.00062	.00002	.00002	.00426	.00271	.00003	.00015	.00021	.00008	.041
%RSD	2.2793	.18521	128.79	31.287	2.0073	17.655	.42754	39.916	1.7782	7.0866	190.19	10.553	.08254
#1	-.02010	48.943	.00016	.00241	.00091	-.00010	.99304	.00869	-.00163	.00201	-.00004	-.00077	49.824
#2	-.02076	49.071	.00347	.00154	.00089	-.00013	.99906	.00486	-.00167	.00222	.00025	-.00066	49.766
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08442**	**.00491**	**-.10524**	**-.00012**	**-.00250**	**253.77**	**.00158**	**.00547**	**-.00083**	**5.0062**	**-.01020**	**.01179**	**.00354**
Stddev	.01936	.00175	.00087	.00010	.00089	.65	.00004	.00199	.00069	.0079	.00114	.00110	.02937
%RSD	22.939	35.635	.82955	80.002	35.608	.25524	2.2277	36.380	83.559	.15749	11.194	9.3684	829.51
#1	.07072	.00615	-.10586	-.00005	-.00314	254.22	.00161	.00406	-.00131	5.0118	-.00940	.01257	-.01723
#2	.09811	.00368	-.10463	-.00019	-.00187	253.31	.00156	.00688	-.00034	5.0006	-.01101	.01101	.02431
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00128**	**.00044**	**4.8608**	**.00102**	**.00255**	**10.361**	**-.00850**	**.00266**	**.05169**
Stddev	.00020	.00001	.0041	.00024	.00027	.008	.00017	.00057	.00321
%RSD	15.446	1.9410	.08407	23.528	10.446	.08152	2.0214	21.466	6.2019
#1	.00142	.00043	4.8637	.00085	.00274	10.367	-.00862	.00226	.05396
#2	.00114	.00044	4.8579	.00119	.00236	10.355	-.00838	.00307	.04942
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3479.1**	**58662.**	**4896.2**
Stddev	1.9	17.	14.7
%RSD	.05319	.02973	.29989
#1	3477.8	58650.	4906.5
#2	3480.4	58675.	4885.8

Sample Name: CCV-940591 Acquired: 8/26/2011 15:43:33 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50293**	**.50747**	**1.0125**	**.50415**	**.49453**	**.49509**	**.00404**	**4.8229**	**.51128**	**.49171**	**.49084**	**.50303**	**2.4755**
Stddev	.00043	.00017	.0004	.00133	.00030	.00121	.00051	.0063	.00039	.00098	.00048	.00132	.0033
%RSD	.08534	.03356	.03727	.26324	.06155	.24502	12.535	.13032	.07566	.19970	.09878	.26261	.13224
#1	.50262	.50735	1.0122	.50321	.49432	.49595	.00440	4.8185	.51155	.49240	.49118	.50396	2.4732
#2	.50323	.50759	1.0127	.50509	.49475	.49423	.00368	4.8274	.51101	.49101	.49050	.50210	2.4778
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.013**	**1.0024**	**19.909**	**.50191**	**.50536**	**5.3190**	**.50035**	**.97017**	**1.0167**	**-.00512**	**.99814**	**.99828**	**4.7156**
Stddev	.094	.0007	.003	.00036	.00137	.0427	.00002	.00055	.0010	.00101	.00276	.00016	.0474
%RSD	.19520	.06538	.01661	.07087	.27081	.80351	.00340	.05627	.10255	19.682	.27659	.01589	1.0047
#1	48.079	1.0029	19.906	.50166	.50633	5.3492	.50036	.97056	1.0160	-.00584	1.0001	.99839	4.6821
#2	47.946	1.0019	19.911	.50216	.50440	5.2888	.50034	.96978	1.0175	-.00441	.99619	.99817	4.7491
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0054**	**.49914**	**.00064**	**.48320**	**.98979**	**-.01499**	**.50217**	**.49637**	**.51090**
Stddev	.0004	.00052	.00189	.00005	.00707	.01473	.00116	.00189	.00155
%RSD	.03906	.10497	296.43	.00964	.71396	98.220	.23014	.38127	.30356
#1	1.0051	.49951	.00197	.48324	.99479	-.02541	.50136	.49503	.50980
#2	1.0057	.49877	-.00070	.48317	.98480	-.00458	.50299	.49771	.51200
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3557.6**	**60136.**	**4864.5**
Stddev	3.5	167.	3.4
%RSD	.09820	.27748	.06931
#1	3555.1	60254.	4866.9
#2	3560.0	60018.	4862.1

Sample Name: CCB Acquired: 8/26/2011 15:45:54 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00147**	W **.00532**	W **.00239**	W **.00065**	**.00002**	**-.00083**	**-.00062**	**-.00027**	**.00005**	**.00002**
Stddev	.00018	.00022	.00147	.00017	.00036	.00000	.00383	.00313	.00005	.00001	.00003
%RSD	41.961	15.178	27.666	7.2325	55.069	30.132	460.19	508.74	19.458	26.762	189.19
#1	.00031	.00131	.00428	.00226	.00090	.00001	-.00354	.00160	-.00030	.00004	-.00001
#2	.00057	.00163	.00636	.00251	.00040	.00002	.00188	-.00283	-.00023	.00006	.00004
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00440	.00156	.00058						
Low Limit			-.00440	-.00156	-.00058						

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.00047**	**.02765**	W **.00374**	**.00657**	**.00002**	**.00189**	**.08762**	**.00050**	**-.00007**	**-.00037**
Stddev	.00022	.00046	.02659	.00145	.00042	.00002	.00094	.01192	.00007	.00069	.00012
%RSD	127.81	98.609	96.192	38.640	6.3978	103.72	49.566	13.599	15.010	1031.0	32.450
#1	-.00034	.00079	.04645	.00476	.00628	.00001	.00123	.07919	.00045	-.00056	-.00046
#2	-.00002	.00014	.00884	.00272	.00687	.00004	.00255	.09604	.00055	.00042	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00254**	F **.01063**	**.00141**	**-.00252**	**.00017**	**-.00006**	**-.00126**	**-.00024**	**.00213**	**.00015**	**-.00034**
Stddev	.00220	.00256	.00170	.00530	.00035	.00021	.00113	.00012	.00163	.01570	.00003
%RSD	86.519	24.085	120.62	210.46	206.08	375.90	89.322	52.191	76.505	10389.	8.3661
#1	.00099	.00882	.00021	-.00626	.00042	.00009	-.00047	-.00032	.00098	-.01095	-.00036
#2	.00409	.01244	.00261	.00123	-.00008	-.00021	-.00206	-.00015	.00328	.01125	-.00032
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00109**	W **.00400**
Stddev	.00043	.00043
%RSD	39.609	10.831
#1	.00139	.00430
#2	.00078	.00369
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3604.7**	**61247.**	**4810.1**
Stddev	17.2	18.	20.5
%RSD	.47713	.02946	.42606
#1	3616.8	61234.	4795.6
#2	3592.5	61259.	4824.6

Sample Name: CCVL946273 Acquired: 8/26/2011 15:48:29 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01091**	**.10359**	W **.01819**	**.10430**	**.01035**	**.00091**	W **.12138**	**.19229**	**.00493**	**.01035**	**.00997**
Stddev	.00066	.00184	.00141	.00041	.00033	.00003	.00001	.00508	.00016	.00005	.00012
%RSD	6.0887	1.7722	7.7555	.38936	3.1885	2.9542	.00564	2.6399	3.3283	.44162	1.2243
#1	.01044	.10489	.01919	.10458	.01011	.00093	.12138	.19587	.00505	.01031	.01006
#2	.01138	.10230	.01720	.10401	.01058	.00089	.12137	.18870	.00481	.01038	.00989
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500				.10000				
Range			20.000%				20.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01565**	**.09879**	**2.8771**	F **.01405**	**.21155**	**.01043**	**.02009**	**1.1388**	**.04112**	**2.8944**	**.00837**
Stddev	.00010	.00193	.0239	.00234	.00449	.00003	.00003	.0194	.00033	.0100	.00025
%RSD	.62047	1.9522	.83238	16.688	2.1204	.30606	.12753	1.7067	.79982	.34494	2.9773
#1	.01572	.09742	2.8601	.01239	.21472	.01041	.02011	1.1525	.04089	2.9015	.00819
#2	.01559	.10015	2.8940	.01570	.20837	.01045	.02007	1.1250	.04136	2.8874	.00854
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	F **.01499**	**.01307**	**.48420**	**.10349**	**.01016**	**.01302**	**.00911**	**.01513**	**.06045**	**.01007**
Stddev	.00249	.00296	.00290	.00387	.00061	.00002	.00038	.00001	.00218	.00382	.00045
%RSD	292.58	19.753	22.156	.79972	.58928	.16709	2.9519	.12832	14.406	6.3155	4.4376
#1	.00261	.01290	.01102	.48146	.10392	.01014	.01275	.00910	.01667	.05775	.01039
#2	-.00091	.01709	.01512	.48694	.10305	.01017	.01329	.00912	.01358	.06315	.00976
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.01000									
Range		30.000%									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02246**	**.01719**
Stddev	.00030	.00452
%RSD	1.3445	26.268
#1	.02267	.01400
#2	.02224	.02038
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3567.8**	**60810.**	**4873.9**
Stddev	3.9	246.	10.2
%RSD	.11012	.40528	.20899
#1	3565.0	60984.	4866.7
#2	3570.6	60636.	4881.1

Sample Name: mb 280-81644/1-c Acquired: 8/26/2011 15:51:02 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82618 6010C DOD4.1

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00078	.00178	.00237	.00145	.00003	-.00006	-.00331	.00464	-.00029	.00006
Stddev	.00062	.00037	.00060	.00003	.00008	.00010	.00326	.00098	.00014	.00002
%RSD	79.641	21.029	25.428	2.2527	298.68	158.48	98.502	21.123	46.699	36.951
#1	.00122	.00152	.00194	.00147	-.00003	-.00013	-.00100	.00395	-.00019	.00004
#2	.00034	.00205	.00279	.00143	.00009	.00001	-.00561	.00533	-.00039	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00008	-.00036	.01641	.05190	.00455	.00206	.00156	-.00050	.07881	.00049
Stddev	.00004	.00020	.00130	.01125	.00584	.00068	.00002	.00001	.03646	.00014
%RSD	55.128	56.661	7.9243	21.676	128.18	32.802	1.3967	2.8609	46.257	27.744
#1	-.00005	-.00021	.01549	.04394	.00868	.00158	.00157	-.00049	.10459	.00039
#2	-.00011	-.00050	.01733	.05985	.00043	.00254	.00154	-.00051	.05303	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00028	.00049	-.00118	.00045	-.00134	-.00274	-.00010	.00014	.00000	-.00032
Stddev	.00115	.00013	.00554	.00040	.00134	.00599	.00060	.00003	.0014	.00006
%RSD	409.21	26.654	468.48	88.210	99.523	218.71	590.88	22.186	189680.	17.319
#1	.00053	.00058	-.00510	.00017	-.00040	.00150	-.00052	.00016	.00103	-.00028
#2	-.00110	.00040	.00273	.00073	-.00229	-.00697	.00032	.00012	-.00103	-.00036
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00053	-.00821	.00004	.00151	.00189
Stddev	.00065	.01074	.00051	.00004	.00344
%RSD	121.18	130.72	1259.5	2.4806	181.79
#1	.00008	-.00062	-.00032	.00149	-.00054
#2	.00099	-.01581	.00040	.00154	.00432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3628.7	62046.	4910.8
Stddev	11.5	76.	37.1
%RSD	.31730	.12299	.75616
#1	3636.8	61992.	4884.6
#2	3620.5	62100.	4937.1

Sample Name: lcs 280-81644/2-c Acquired: 8/26/2011 15:53:37 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82618 6010C DOD4.1

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04900**	**1.9363**	**1.0669**	**1.0415**	**2.0521**	**.05163**	F **2.3596**	**49.355**	F **.11068**	**.49779**
Stddev	.00019	.0245	.0059	.0009	.0019	.00006	.0120	.040	.00041	.00057
%RSD	.38660	1.2661	.55042	.08705	.09111	.12251	.50920	.08121	.36688	.11411
#1	.04887	1.9536	1.0710	1.0422	2.0507	.05168	2.3681	49.326	.11097	.49819
#2	.04913	1.9190	1.0627	1.0409	2.0534	.05159	2.3511	49.383	.11039	.49739
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit							2.2000		.11000	
Low Limit							1.8000		.08700	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20283**	**.25740**	**1.0262**	**50.466**	**1.0366**	**51.358**	**.51506**	**1.0495**	**53.669**	**.50631**
Stddev	.00048	.00013	.0060	.047	.0014	.003	.00038	.0029	.293	.00035
%RSD	.23697	.05003	.58576	.09256	.13801	.00559	.07302	.27832	.54503	.06939
#1	.20317	.25749	1.0219	50.433	1.0356	51.356	.51479	1.0516	53.876	.50656
#2	.20249	.25731	1.0304	50.499	1.0377	51.360	.51532	1.0474	53.463	.50606
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.362**	**.52120**	**-.00930**	**.52826**	**2.1284**	**9.7924**	**2.0588**	**1.0410**	**.99111**	**1.0023**
Stddev	.021	.00017	.00176	.00174	.0110	.0009	.0039	.0004	.00286	.0001
%RSD	.20728	.03229	18.871	.32871	.51715	.00945	.18800	.03866	.28854	.01403
#1	10.377	.52108	-.01054	.52703	2.1362	9.7918	2.0615	1.0407	.98909	1.0022
#2	10.346	.52132	-.00806	.52949	2.1206	9.7931	2.0560	1.0413	.99314	1.0024
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0197**	**2.1892**	**.51907**	**.51073**	**.54440**
Stddev	.0032	.0014	.00024	.00063	.00053
%RSD	.16050	.06635	.04680	.12252	.09682
#1	2.0220	2.1882	.51924	.51118	.54402
#2	2.0174	2.1902	.51890	.51029	.54477
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3467.4**	**58565.**	**4888.5**
Stddev	10.2	139.	27.6
%RSD	.29315	.23700	.56541
#1	3460.2	58467.	4908.0
#2	3474.6	58664.	4868.9

Sample Name: lcsd 280-81644/7-c Acquired: 8/26/2011 15:55:56 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82618 6010C DOD4.1

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04889**	**1.8958**	**1.0472**	**1.0429**	**2.0248**	**.05093**	**2.3281**	**48.786**	**.10870**	**.49060**
Stddev	.00090	.0081	.0020	.0007	.0018	.00020	.0080	.008	.00049	.00008
%RSD	1.8507	.42817	.19122	.06652	.09081	.38301	.34444	.01608	.45315	.01565
#1	.04825	1.9015	1.0458	1.0424	2.0235	.05079	2.3225	48.781	.10905	.49054
#2	.04953	1.8900	1.0486	1.0434	2.0261	.05107	2.3338	48.792	.10835	.49065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19971**	**.25543**	**1.0252**	**49.865**	**1.0185**	**50.572**	**.50942**	**1.0576**	**52.715**	**.49869**
Stddev	.00017	.00045	.0002	.068	.0039	.045	.00036	.0003	.335	.00053
%RSD	.08480	.17625	.02382	.13718	.38293	.08858	.07079	.03138	.63516	.10659
#1	.19960	.25574	1.0251	49.816	1.0158	50.603	.50967	1.0578	52.478	.49831
#2	.19983	.25511	1.0254	49.913	1.0213	50.540	.50916	1.0574	52.952	.49906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.142**	**.51029**	**-.00337**	**.53322**	**2.0962**	**9.8819**	**2.0605**	**1.0258**	**.98234**	**1.0116**
Stddev	.008	.00120	.00566	.00396	.0068	.0290	.0006	.0010	.00019	.0003
%RSD	.08327	.23585	168.14	.74351	.32236	.29313	.02746	.09991	.01885	.02562
#1	10.136	.50944	.00064	.53041	2.1010	9.8614	2.0601	1.0250	.98221	1.0118
#2	10.148	.51114	-.00737	.53602	2.0915	9.9024	2.0609	1.0265	.98247	1.0114
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9857**	**2.1512**	**.51388**	**.50325**	**.54070**
Stddev	.0003	.0574	.00026	.00027	.00189
%RSD	.01489	2.6698	.05143	.05449	.34897
#1	1.9859	2.1918	.51369	.50344	.54203
#2	1.9855	2.1106	.51406	.50306	.53936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3487.8**	**58828.**	**4885.7**
Stddev	2.3	84.	10.6
%RSD	.06713	.14255	.21688
#1	3486.2	58768.	4893.2
#2	3489.5	58887.	4878.2

Sample Name: 280-19191-d-71-c Acquired: 8/26/2011 15:58:15 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82618 6010C DOD4.1

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00050**	**.01696**	**.09352**	**.36247**	**-.00015**	**-.00188**	**66.169**	**-.00029**	**.00150**
Stddev	.00074	.00078	.00211	.00026	.00133	.00001	.00283	.094	.00028	.00035
%RSD	188.87	158.34	12.454	.27741	.36674	9.1558	151.16	.14186	96.448	23.329
#1	.00091	-.00006	.01547	.09334	.36341	-.00014	-.00388	66.235	-.00048	.00125
#2	-.00013	.00105	.01845	.09370	.36153	-.00016	.00013	66.102	-.00009	.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00051**	**.03450**	**14.284**	**.02768**	**33.069**	**1.5035**	**.02460**	**50.665**	**.00122**
Stddev	.00010	.00034	.00064	.017	.00249	.011	.0014	.00136	.189	.00007
%RSD	50.030	66.037	1.8676	.11835	9.0050	.03360	.09024	5.5441	.37240	5.6497
#1	.00013	.00027	.03495	14.296	.02944	33.061	1.5026	.02363	50.531	.00117
#2	.00027	.00075	.03404	14.272	.02591	33.076	1.5045	.02556	50.798	.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01864**	**-.00208**	**10.562**	**.00220**	**.00862**	**11.502**	**.00118**	**.76692**	**-.00126**	**-.00025**
Stddev	.00514	.00103	.002	.00105	.00487	.004	.00030	.00135	.00131	.00044
%RSD	27.582	49.766	.01420	47.920	56.429	.03252	25.272	.17560	104.41	177.48
#1	.01500	-.00281	10.561	.00294	.00518	11.499	.00097	.76787	-.00033	.00006
#2	.02227	-.00135	10.563	.00145	.01207	11.504	.00139	.76597	-.00218	-.00056
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00359**	**.02178**	F **-.03971**	**.00244**	**.00464**
Stddev	.00141	.00613	.00034	.00034	.00327
%RSD	39.236	28.127	.86596	13.730	70.530
#1	.00259	.02612	-.03995	.00268	.00232
#2	.00458	.01745	-.03946	.00221	.00695
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			50.000		
Low Limit			-.02000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3497.7**	**59206.**	**4897.2**
Stddev	.9	224.	17.6
%RSD	.02674	.37802	.35885
#1	3497.0	59364.	4909.7
#2	3498.3	59047.	4884.8

Sample Name: 280-19191-d-71-cSD@5 Acquired: 8/26/2011 16:00:47 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82618 6010C DOD4.1

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00083**	**.00471**	**.02024**	**.07342**	**-.00003**	**-.00036**	**13.232**	**-.00051**	**.00027**
Stddev	.00000	.00167	.00767	.00052	.00002	.00007	.00072	.035	.00002	.00002
%RSD	.58903	202.04	162.89	2.5518	.02425	269.43	199.11	.26805	3.5561	8.4976
#1	.00044	-.00035	-.00071	.01987	.07343	-.00008	.00015	13.257	-.00049	.00026
#2	.00043	.00201	.01013	.02060	.07341	.00002	-.00087	13.206	-.00052	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00026**	**.00589**	**2.9190**	**.01247**	**6.8226**	**.30528**	**.00379**	F **10.239**	**10.350**
Stddev	.00014	.00005	.00103	.0096	.00017	.0087	.00095	.00008	.005	.159
%RSD	101.71	17.530	17.421	.32976	1.4034	.12687	.30974	2.0813	.04477	1.5392
#1	-.00024	.00023	.00662	2.9122	.01259	6.8287	.30595	.00384	10.242	10.237
#2	-.00004	.00029	.00517	2.9258	.01234	6.8165	.30461	.00373	10.236	10.463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									10.000	
Low Limit									-1.0000	

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00201**	W **-.00396**	**2.0856**	**-.00192**	**.00052**	**2.2989**	**-.00021**	**.15393**	**-.00123**
Stddev	.00007	.00209	.00069	.0055	.00002	.00053	.0192	.00057	.00054	.00173
%RSD	13.065	104.12	17.464	.26385	1.1791	102.09	.83488	268.06	.34789	141.20
#1	.00057	.00349	-.00445	2.0817	-.00194	.00015	2.2853	.00019	.15431	.00000
#2	.00047	.00053	-.00347	2.0894	-.00191	.00090	2.3125	-.00061	.15355	-.00246
Check ?	Chk Pass	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			10.000							
Low Limit			-.00300							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00098**	**.00183**	**.01057**	**-.00812**	**.00280**	**.00131**
Stddev	.00046	.00081	.03518	.00007	.00009	.00230
%RSD	46.607	44.548	332.97	.83694	3.3155	176.16
#1	-.00130	.00240	-.01431	-.00807	.00274	-.00032
#2	-.00066	.00125	.03545	-.00816	.00287	.00293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3540.4**	**60057.**	**4843.8**
Stddev	4.6	34.	3.7
%RSD	.12939	.05603	.07579
#1	3537.1	60081.	4841.2
#2	3543.6	60033.	4846.4

Sample Name: 280-19191-d-71-c PDS Acquired: 8/26/2011 16:03:21 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82618 6010C DOD4.1

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03183	1.0473	.23978	.19397	.46564	.05487	-.00634	85.867	.05852	.05437
Stddev	.00062	.0087	.00181	.00023	.00017	.00001	.00048	.033	.00006	.00021
%RSD	1.9482	.83434	.75465	.11837	.03633	.01701	7.5578	.03835	.09695	.39251
#1	.03227	1.0535	.23850	.19381	.46576	.05487	-.00600	85.890	.05856	.05452
#2	.03139	1.0412	.24106	.19414	.46552	.05488	-.00668	85.843	.05848	.05422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05542	.05652	1.1050	35.322	.14361	54.365	1.5292	.06940	72.739	.05480
Stddev	.00029	.00003	.0013	.007	.00388	.067	.0022	.00014	.414	.00002
%RSD	.51692	.05522	.11707	.02011	2.7029	.12350	.14727	.19690	.56983	.04162
#1	.05562	.05654	1.1041	35.317	.14636	54.317	1.5276	.06949	72.446	.05478
#2	.05522	.05650	1.1059	35.327	.14087	54.412	1.5308	.06930	73.032	.05481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.2239	.10891	10.413	.10138	.22264	15.929	.10022	.81051	.21508	.04983
Stddev	.0002	.00003	.009	.00114	.00439	.023	.00065	.00017	.00061	.00031
%RSD	.00704	.02394	.09052	1.1252	1.9721	.14611	.64617	.02067	.28133	.61735
#1	2.2238	.10893	10.420	.10057	.21953	15.913	.10067	.81039	.21465	.05004
#2	2.2240	.10889	10.406	.10218	.22574	15.946	.09976	.81063	.21551	.04961
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21569	.58674	.01830	.22351	.05357
Stddev	.00166	.00313	.00003	.00095	.00061
%RSD	.77161	.53264	.15130	.42576	1.1457
#1	.21687	.58453	.01832	.22284	.05400
#2	.21451	.58895	.01828	.22419	.05313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3434.0	57822.	4841.5
Stddev	3.0	200.	.0
%RSD	.08654	.34551	.00084
#1	3431.9	57963.	4841.5
#2	3436.1	57680.	4841.6

Sample Name: 280-19191-d-72-c Acquired: 8/26/2011 16:05:46 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82618 6010C DOD4.1

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00049	.00344	.05798	.50315	.13510	.00000	.00011	12.430	-.00046	.00038
Stddev	.00050	.00045	.00410	.00078	.00085	.00002	.00356	.035	.00006	.00007
%RSD	101.92	13.125	7.0674	.15504	.62610	1696.2	3121.1	.27896	13.701	18.379
#1	.00014	.00312	.05508	.50260	.13450	.00002	-.00240	12.406	-.00042	.00043
#2	.00084	.00376	.06088	.50370	.13570	-.00002	.00263	12.455	-.00050	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00018	.00118	.09450	13.606	.03777	13.121	.37978	.04066	195.25	.00099
Stddev	.00008	.00011	.00127	.067	.00025	.016	.00016	.00014	.66	.00025
%RSD	43.298	8.9816	1.3390	.49222	.65158	.12144	.04101	.34932	.33631	24.861
#1	.00013	.00110	.09360	13.558	.03759	13.133	.37989	.04076	194.78	.00082
#2	.00024	.00125	.09539	13.653	.03794	13.110	.37967	.04056	195.71	.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.93492	-.00078	1.4476	-.00149	.00129	7.2465	-.00026	.15068	-.00146	-.00008
Stddev	.00054	.00017	.0030	.00281	.00127	.0552	.00012	.00017	.00145	.00000
%RSD	.05814	21.406	.20631	188.93	98.370	.76165	45.101	.11128	99.802	4.7899
#1	.93454	-.00066	1.4455	.00050	.00039	7.2074	-.00035	.15080	-.00043	-.00008
#2	.93531	-.00089	1.4497	-.00348	.00218	7.2855	-.00018	.15057	-.00249	-.00008
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00127	-.00246	W -.01016	.00235	.00225
Stddev	.00182	.04226	.00039	.00031	.00064
%RSD	143.67	1721.0	3.8734	13.028	28.334
#1	.00255	-.03234	-.01043	.00214	.00180
#2	-.00002	.02743	-.00988	.00257	.00270
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit			45.000		
Low Limit			-.01000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3458.2	57954.	4857.0
Stddev	4.0	34.	31.1
%RSD	.11491	.05952	.64014
#1	3455.4	57978.	4878.9
#2	3461.0	57929.	4835.0

Sample Name: CCVH-940568 Acquired: 8/26/2011 16:08:19 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02107**	**48.904**	**-.00232**	**.00370**	**.00125**	**-.00024**	**1.0027**	**.00429**	**-.00158**	**.00205**	**.00019**	**-.00104**	**49.726**
Stddev	.00003	.046	.00130	.00017	.00032	.00001	.0035	.00185	.00001	.00005	.00022	.00040	.032
%RSD	.15422	.09311	56.252	4.6497	26.037	5.8747	.35197	43.072	.89263	2.2138	112.99	38.972	.06345
#1	-.02105	48.936	-.00324	.00383	.00148	-.00023	1.0002	.00560	-.00157	.00201	.00034	-.00133	49.704
#2	-.02109	48.871	-.00139	.00358	.00102	-.00025	1.0052	.00298	-.00159	.00208	.00004	-.00075	49.748
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20966**	**.00519**	**-.09945**	**-.00030**	**-.00265**	**254.75**	**.00158**	**.00067**	**-.00183**	**5.0723**	**-.00896**	**.01319**	**-.00424**
Stddev	.00603	.00226	.00087	.00006	.00054	.08	.00016	.00021	.00059	.0024	.00130	.00073	.00537
%RSD	2.8783	43.547	.87465	20.468	20.472	.02965	9.9714	32.018	32.030	.04634	14.525	5.5107	126.77
#1	.21393	.00359	-.10006	-.00034	-.00303	254.70	.00147	.00052	-.00141	5.0706	-.00988	.01268	-.00804
#2	.20540	.00679	-.09883	-.00025	-.00226	254.81	.00169	.00082	-.00224	5.0739	-.00804	.01371	-.00044
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00147**	**.00039**	**4.8679**	**.00109**	**.00142**	**10.498**	**-.00852**	**.00229**	**.04485**
Stddev	.00024	.00001	.0119	.00069	.00042	.026	.00038	.00029	.00337
%RSD	15.990	3.1248	.24399	63.390	29.732	.25059	4.5172	12.595	7.5212
#1	.00130	.00040	4.8763	.00060	.00172	10.480	-.00825	.00249	.04724
#2	.00164	.00038	4.8595	.00157	.00112	10.517	-.00879	.00208	.04247
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3461.2**	**58204.**	**4836.4**
Stddev	2.3	239.	9.8
%RSD	.06594	.41024	.20164
#1	3459.6	58035.	4843.3
#2	3462.9	58372.	4829.5

Sample Name: CCV-940591 Acquired: 8/26/2011 16:10:55 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49674**	**.51142**	**1.0112**	**.50359**	**.49197**	**.49564**	**.00227**	**4.8199**	**.51200**	**.49146**	**.49299**	**.50070**	**2.4908**
Stddev	.00083	.00625	.0021	.00035	.00113	.00083	.00213	.0097	.00027	.00012	.00018	.00042	.0041
%RSD	.16756	1.2221	.21096	.06954	.22932	.16822	94.026	.20073	.05205	.02378	.03718	.08434	.16470
#1	.49733	.50700	1.0097	.50384	.49277	.49623	.00076	4.8268	.51181	.49155	.49286	.50100	2.4879
#2	.49615	.51584	1.0127	.50334	.49117	.49505	.00378	4.8131	.51218	.49138	.49312	.50040	2.4937
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.364**	**.99581**	**19.789**	**.49954**	**.50637**	**5.3642**	**.50012**	**.96964**	**1.0154**	**-.00317**	**1.0012**	**.99980**	**4.7963**
Stddev	.017	.00501	.004	.00003	.00037	.0162	.00033	.00194	.0003	.00336	.0048	.00211	.0294
%RSD	.03482	.50325	.02267	.00569	.07338	.30201	.06651	.20030	.03307	106.09	.48072	.21103	.61234
#1	48.352	.99226	19.792	.49956	.50663	5.3756	.50036	.96827	1.0152	-.00079	1.0046	.99831	4.7755
#2	48.376	.99935	19.786	.49952	.50611	5.3527	.49989	.97101	1.0157	-.00555	.99783	1.0013	4.8170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0077**	**.49761**	**-.00175**	**.48250**	**.99335**	**.00615**	**.49727**	**.49280**	**.50976**
Stddev	.0024	.00057	.00200	.00107	.00059	.02634	.00064	.00031	.00201
%RSD	.24285	.11392	114.37	.22166	.05896	428.03	.12800	.06193	.39379
#1	1.0094	.49801	-.00316	.48174	.99293	.02478	.49682	.49258	.50835
#2	1.0060	.49720	-.00033	.48326	.99376	-.01247	.49772	.49301	.51118
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3538.9**	**60024.**	**4850.6**
Stddev	2.0	102.	17.7
%RSD	.05525	.16910	.36396
#1	3540.2	60095.	4863.0
#2	3537.5	59952.	4838.1

Sample Name: CCB Acquired: 8/26/2011 16:13:18 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.00055**	W **.00529**	W **.00224**	W **.00059**	**.00003**	**-.00269**	**-.00096**	W **-.00054**	**.00015**
Stddev	.00088	.00075	.00130	.00060	.00018	.00001	.00033	.00108	.00007	.00001
%RSD	124.40	137.00	24.529	26.768	30.753	24.106	12.274	112.47	13.272	4.8526
#1	.00134	.00107	.00437	.00267	.00046	.00003	-.00292	-.00173	-.00049	.00015
#2	.00009	.00002	.00620	.00182	.00072	.00002	-.00245	-.00020	-.00059	.00014
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Warn	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass
High Limit			.00440	.00156	.00058				.00045	
Low Limit			-.00440	-.00156	-.00058				-.00045	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00014**	**.00142**	**.06025**	**.00092**	**.00546**	**.00000**	**.00215**	F **.11159**	**.00042**
Stddev	.00001	.00009	.00059	.05291	.00179	.00102	.0001	.00083	.01518	.00040
%RSD	27.713	65.280	41.361	87.816	194.49	18.696	21124.	38.860	13.603	96.788
#1	.00003	-.00021	.00100	.02284	-.00035	.00618	.00003	.00156	.10086	.00013
#2	.00004	-.00008	.00183	.09766	.00219	.00474	-.00003	.00274	.12233	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									.10000	
Low Limit									-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00122**	**-.00107**	**.00084**	F **.01102**	**.00120**	**.00634**	**.00088**	**.00007**	**-.00035**	**-.00040**
Stddev	.00047	.00031	.00350	.00221	.00136	.01333	.00004	.00001	.00133	.00038
%RSD	38.560	28.832	418.18	20.055	113.59	210.27	4.6842	18.516	380.07	94.578
#1	-.00155	-.00129	.00331	.00946	.00216	.01576	.00091	.00006	-.00129	-.00067
#2	-.00088	-.00085	-.00164	.01258	.00024	-.00309	.00085	.00008	.00059	-.00013
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00628						
Low Limit				-.00628						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**-.00892**	**-.00031**	**.00128**	W **.00344**
Stddev	.00047	.00218	.00001	.00013	.00452
%RSD	86.621	24.457	3.8806	9.9003	131.49
#1	-.00021	-.00738	-.00030	.00119	.00024
#2	-.00087	-.01046	-.00032	.00137	.00663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					.00238
Low Limit					-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3560.5**	**60949.**	**4793.8**
Stddev	15.8	99.	4.7
%RSD	.44477	.16318	.09868
#1	3549.3	61019.	4797.2
#2	3571.7	60879.	4790.5

Sample Name: CCVL-946273 Acquired: 8/26/2011 16:15:53 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01072**	**.10335**	**.01656**	**.10581**	**.01018**	**.00094**	W **.12260**	**.19237**	**.00489**	**.01028**	**.01001**
Stddev	.00099	.00019	.00048	.00002	.00046	.00003	.00017	.00263	.00011	.00029	.00015
%RSD	9.2725	.18361	2.8976	.01696	4.5133	3.4296	.13977	1.3678	2.2378	2.8240	1.4840
#1	.01002	.10321	.01690	.10582	.01050	.00092	.12248	.19423	.00497	.01049	.00991
#2	.01142	.10348	.01622	.10579	.00985	.00096	.12272	.19051	.00481	.01008	.01012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							20.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01496**	**.10074**	**2.9842**	**.01088**	**.20948**	**.01031**	**.01992**	**1.1531**	**.04146**	**2.8894**	**.00835**
Stddev	.00014	.00188	.0454	.00296	.00074	.00008	.00005	.0005	.00001	.0039	.00016
%RSD	.96163	1.8707	1.5201	27.187	.35171	.76704	.25297	.04305	.02985	.13392	1.9014
#1	.01506	.10207	3.0163	.00879	.21000	.01037	.01988	1.1534	.04145	2.8866	.00824
#2	.01485	.09940	2.9521	.01297	.20896	.01026	.01995	1.1527	.04146	2.8921	.00846
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00377**	F **.01577**	**.01312**	**.47987**	**.10241**	**.01005**	**.01501**	**.00923**	W **.01836**	**.05584**	**.00936**
Stddev	.00672	.00279	.00253	.01739	.00036	.00003	.00129	.00009	.00022	.00137	.00023
%RSD	178.29	17.671	19.260	3.6234	.35271	.29202	8.6103	.94951	1.2179	2.4506	2.4700
#1	.00852	.01774	.01491	.49216	.10216	.01003	.01409	.00917	.01852	.05487	.00920
#2	-.00098	.01380	.01134	.46757	.10267	.01007	.01592	.00929	.01821	.05681	.00953
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
Value		.01000							.01500		
Range		30.000%							20.000%		

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02132**	W **.01933**
Stddev	.00059	.00076
%RSD	2.7806	3.9278
#1	.02174	.01987
#2	.02090	.01879
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3587.8**	**61230.**	**4878.6**
Stddev	6.0	26.	8.7
%RSD	.16697	.04224	.17903
#1	3583.5	61212.	4872.4
#2	3592.0	61249.	4884.7

Sample Name: mb 280-82744/1-a Acquired: 8/26/2011 16:18:26 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82744 6010C DOD4.1

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00068	.00026	.00315	.00273	.00030	-.00007	-.00181	.00651	-.00013	-.00011
Stddev	.00050	.00026	.00058	.00035	.00017	.00009	.00002	.00319	.00004	.00007
%RSD	72.602	100.31	18.419	12.827	56.213	129.97	1.3686	49.024	33.365	63.318
#1	.00103	.00007	.00274	.00298	.00042	-.00013	-.00183	.00425	-.00016	-.00016
#2	.00033	.00044	.00356	.00249	.00018	-.00001	-.00179	.00877	-.00010	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00004	-.00040	.00911	.02757	.00139	.00279	.00018	-.00062	.09375	.00011
Stddev	.00009	.00005	.00160	.00243	.00100	.00003	.00003	.00019	.01406	.00035
%RSD	234.67	13.124	17.569	8.8253	71.717	1.0703	14.308	31.125	14.997	332.97
#1	.00002	-.00036	.01024	.02929	.00069	.00277	.00017	-.00075	.10369	-.00014
#2	-.00010	-.00044	.00798	.02585	.00210	.00282	.00020	-.00048	.08381	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00417	-.00010	.00446	.00276	-.00188	.00118	.00029	-.00009	.00095	-.00022
Stddev	.00142	.00012	.00091	.00061	.00033	.03469	.00052	.00005	.00027	.00022
%RSD	33.970	114.56	20.417	22.044	17.335	2947.1	175.95	49.760	28.430	101.90
#1	-.00317	-.00019	.00510	.00233	-.00165	-.02335	-.00007	-.00006	.00115	-.00006
#2	-.00517	-.00002	.00381	.00319	-.00211	.02571	.00066	-.00013	.00076	-.00037
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00013	-.01093	-.00034	.00099	.00253
Stddev	.00076	.01539	.00014	.00007	.00476
%RSD	576.39	140.79	42.797	6.9803	188.07
#1	-.00067	-.00005	-.00024	.00094	-.00083
#2	.00040	-.02182	-.00044	.00104	.00589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3591.0	61955.	4907.1
Stddev	4.6	55.	6.5
%RSD	.12813	.08802	.13243
#1	3594.2	61917.	4911.7
#2	3587.7	61994.	4902.5

Sample Name: lcs 280-82744/2-a Acquired: 8/26/2011 16:21:01 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82744 6010C DOD4.1

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04830**	**1.8971**	**1.0301**	**.98522**	**2.0351**	**.05102**	F **2.3038**	**48.680**	**.10732**	**.48957**
Stddev	.00063	.0229	.0040	.00302	.0078	.00029	.0021	.133	.00010	.00069
%RSD	1.3008	1.2081	.38399	.30642	.38155	.56562	.09233	.27303	.09680	.14129
#1	.04874	1.9133	1.0273	.98736	2.0296	.05082	2.3053	48.586	.10739	.49006
#2	.04786	1.8809	1.0329	.98309	2.0405	.05123	2.3023	48.774	.10725	.48908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20137**	**.25470**	**1.0009**	**49.543**	**1.0262**	**49.896**	**.50807**	**1.0317**	**52.640**	**.49691**
Stddev	.00044	.00094	.0025	.207	.0010	.141	.00101	.0021	.113	.00027
%RSD	.21632	.36878	.25098	.41806	.09997	.28351	.19867	.19973	.21465	.05411
#1	.20168	.25536	.99915	49.397	1.0269	49.996	.50879	1.0331	52.560	.49710
#2	.20106	.25403	1.0027	49.690	1.0255	49.796	.50736	1.0302	52.719	.49672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9815**	**.50591**	**-.00651**	**.50993**	**2.0136**	**9.5974**	**2.0075**	**1.0307**	**.98717**	**.99451**
Stddev	.0154	.00319	.00405	.00006	.0094	.0511	.0033	.0036	.00245	.00184
%RSD	.15424	.63031	62.227	.01249	.46444	.53233	.16488	.35326	.24812	.18458
#1	9.9924	.50365	-.00938	.50989	2.0203	9.5612	2.0098	1.0281	.98890	.99580
#2	9.9706	.50816	-.00365	.50998	2.0070	9.6335	2.0051	1.0333	.98544	.99321
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9541**	**2.1786**	**.51654**	**.49808**	**.53062**
Stddev	.0024	.0101	.00180	.00097	.00226
%RSD	.12218	.46535	.34876	.19465	.42544
#1	1.9558	2.1715	.51781	.49877	.52902
#2	1.9524	2.1858	.51527	.49739	.53221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3453.5**	**58332.**	**4876.5**
Stddev	6.4	111.	27.5
%RSD	.18525	.18964	.56394
#1	3449.0	58253.	4895.9
#2	3458.0	58410.	4857.0

Sample Name: lcsd 280-82744/3-a Acquired: 8/26/2011 16:23:20 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82744 6010C DOD4.1

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04765**	**1.9288**	**1.0363**	**.98180**	**2.0418**	**.05097**	F **2.3052**	**49.067**	**.10759**	**.49384**
Stddev	.00025	.0192	.0009	.00118	.0058	.00004	.0035	.112	.00016	.00057
%RSD	.52758	.99264	.08617	.12033	.28290	.06934	.15355	.22805	.15302	.11548
#1	.04783	1.9423	1.0357	.98096	2.0377	.05094	2.3027	48.987	.10771	.49424
#2	.04747	1.9152	1.0370	.98264	2.0458	.05099	2.3077	49.146	.10748	.49344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20323**	**.25672**	**1.0146**	**50.128**	**1.0232**	**49.897**	**.50906**	**1.0339**	**52.859**	**.49990**
Stddev	.00010	.00085	.0040	.237	.0046	.199	.00167	.0002	.271	.00050
%RSD	.04828	.32922	.39394	.47242	.44930	.39879	.32802	.02318	.51300	.10025
#1	.20316	.25612	1.0117	49.961	1.0200	49.756	.50788	1.0341	52.667	.50025
#2	.20330	.25732	1.0174	50.296	1.0265	50.038	.51024	1.0338	53.051	.49954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.091**	**.51131**	**-.00977**	**.50818**	**2.0282**	**9.6013**	**2.0037**	**1.0327**	**.99108**	**.99101**
Stddev	.012	.00094	.00595	.00134	.0029	.0584	.0015	.0031	.00320	.00158
%RSD	.12345	.18313	60.939	.26278	.14300	.60809	.07598	.29796	.32298	.15896
#1	10.082	.51065	-.00556	.50912	2.0302	9.5600	2.0026	1.0305	.98882	.98990
#2	10.100	.51197	-.01398	.50724	2.0261	9.6426	2.0048	1.0349	.99334	.99213
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9624**	**2.1876**	**.51783**	**.49865**	**.53097**
Stddev	.0054	.0384	.00335	.00109	.00065
%RSD	.27637	1.7529	.64615	.21766	.12295
#1	1.9663	2.2147	.51546	.49788	.53051
#2	1.9586	2.1605	.52019	.49941	.53143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3408.4**	**58679.**	**4864.3**
Stddev	8.5	193.	2.1
%RSD	.24922	.32917	.04295
#1	3414.4	58815.	4865.8
#2	3402.4	58542.	4862.9

Sample Name: 280-19407-e-14-a Acquired: 8/26/2011 16:25:40 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82744 6010C DOD4.1

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00106**	W **3.9005**	**.01185**	**.07714**	**.71503**	**.00041**	**-.00228**	**76.613**	**.00015**	**.00487**
Stddev	.00020	.0099	.00219	.00047	.00159	.00003	.00014	.224	.00012	.00027
%RSD	18.492	.25434	18.452	.60446	.22304	6.6148	5.9700	.29201	79.197	5.5720
#1	.00092	3.8935	.01031	.07747	.71391	.00043	-.00218	76.455	.00007	.00468
#2	.00120	3.9075	.01340	.07681	.71616	.00039	-.00238	76.771	.00024	.00506
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00								
Low Limit		4.0000								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00274**	**.02077**	**6.1664**	**12.040**	**.02467**	**27.867**	**.38044**	**.00704**	**53.300**	**.00773**
Stddev	.00015	.00035	.0155	.022	.00188	.007	.00010	.00107	.062	.00006
%RSD	5.5638	1.6746	.25187	.17914	7.6176	.02552	.02554	15.165	.11679	.73510
#1	.00263	.02053	6.1554	12.056	.02334	27.862	.38037	.00629	53.344	.00769
#2	.00284	.02102	6.1774	12.025	.02600	27.872	.38051	.00780	53.256	.00777
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.55787**	**.01622**	**15.409**	**.00058**	**.00489**	**17.569**	**.00322**	**.91611**	**.00922**	**.22094**
Stddev	.00657	.00016	.012	.00154	.00196	.052	.00137	.00156	.00078	.00037
%RSD	1.1779	1.0005	.07815	264.82	39.981	.29528	42.627	.16984	8.4699	.16598
#1	.55323	.01633	15.401	-.00051	.00627	17.533	.00225	.91501	.00977	.22120
#2	.56252	.01610	15.418	.00168	.00351	17.606	.00420	.91721	.00866	.22068
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**-.01763**	**-.00036**	**.05912**	**.00378**
Stddev	.00181	.03389	.00016	.00045	.00473
%RSD	247.93	192.20	45.333	.76313	125.13
#1	-.00055	.00633	-.00048	.05944	.00713
#2	.00201	-.04160	-.00025	.05880	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3485.7**	**58567.**	**4913.7**
Stddev	3.9	156.	2.3
%RSD	.11175	.26646	.04769
#1	3483.0	58677.	4915.4
#2	3488.5	58457.	4912.0

Sample Name: 280-19407-e-14-aSD@5 Acquired: 8/26/2011 16:28:11 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82744 6010C DOD4.1

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**.82295**	**.00396**	**.01777**	**.14601**	**.00005**	**-.00148**	**15.528**	**-.00037**	**.00108**
Stddev	.00062	.00897	.00304	.00024	.00024	.00015	.00206	.031	.00012	.00030
%RSD	64.968	1.0905	76.721	1.3366	.16731	311.27	139.32	.19860	30.971	27.467
#1	.00051	.82930	.00181	.01760	.14584	.00016	-.00293	15.550	-.00046	.00087
#2	.00138	.81660	.00611	.01794	.14618	-.00006	-.00002	15.507	-.00029	.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00422**	**1.2616**	**2.5277**	**.00730**	**5.8757**	**.07883**	**.00056**	**11.473**	**.00189**
Stddev	.00009	.00016	.0020	.0372	.00521	.0040	.00011	.00040	.301	.00023
%RSD	14.271	3.8883	.15626	1.4700	71.433	.06887	.14418	71.842	2.6212	12.242
#1	.00055	.00434	1.2602	2.5539	.01098	5.8728	.07875	.00027	11.260	.00206
#2	.00067	.00411	1.2630	2.5014	.00361	5.8785	.07891	.00084	11.685	.00173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11286**	**.00440**	**3.1333**	**-.00162**	**-.00072**	**3.5325**	**-.00048**	**.18600**	**.00182**	**.04313**
Stddev	.00251	.00006	.0187	.00114	.00051	.0191	.00105	.00002	.00152	.00009
%RSD	2.2276	1.3507	.59791	70.564	70.936	.54007	217.39	.01323	83.286	.21988
#1	.11464	.00436	3.1201	-.00081	-.00109	3.5460	.00026	.18602	.00075	.04306
#2	.11108	.00444	3.1466	-.00242	-.00036	3.5190	-.00122	.18599	.00290	.04319
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00122**	**-.00514**	**-.00062**	**.01429**	**.00213**
Stddev	.00179	.01127	.00047	.00038	.00122
%RSD	147.03	219.41	75.693	2.6433	57.008
#1	.00248	.00283	-.00029	.01402	.00299
#2	-.00005	-.01311	-.00096	.01455	.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3576.3**	**60469.**	**4900.5**
Stddev	13.8	181.	32.6
%RSD	.38614	.29996	.66574
#1	3566.5	60597.	4923.6
#2	3586.0	60341.	4877.5

Sample Name: 280-19407-e-14-a PDS Acquired: 8/26/2011 16:30:43 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82744 6010C DOD4.1

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03177**	**4.8474**	**.22789**	**.17481**	**.80795**	**.05456**	**-.00692**	**95.480**	**.05742**	**.05653**
Stddev	.00013	.0031	.00183	.00083	.00246	.00007	.00252	.237	.00029	.00018
%RSD	.39556	.06296	.80122	.47673	.30489	.13307	36.402	.24776	.49816	.32624
#1	.03168	4.8495	.22660	.17540	.80621	.05451	-.00514	95.313	.05762	.05666
#2	.03185	4.8452	.22918	.17422	.80969	.05461	-.00871	95.648	.05721	.05640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05719**	**.07612**	**7.1069**	**32.674**	**.13773**	**48.564**	**.42734**	**.05355**	**74.677**	**.06043**
Stddev	.00008	.00037	.0033	.097	.00004	.051	.00068	.00014	.340	.00055
%RSD	.14815	.48376	.04615	.29616	.02721	.10489	.15843	.26825	.45587	.90571
#1	.05725	.07638	7.1046	32.606	.13771	48.600	.42782	.05345	74.917	.06081
#2	.05713	.07586	7.1092	32.743	.13776	48.528	.42686	.05366	74.436	.06004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6713**	**.12365**	**15.325**	**.09939**	**.21142**	**21.870**	**.10155**	**.95502**	**.21968**	**.26579**
Stddev	.0054	.00059	.005	.00084	.00796	.089	.00057	.00230	.00011	.00043
%RSD	.20078	.48077	.03371	.85018	3.7630	.40901	.56213	.24121	.04979	.16060
#1	2.6750	.12407	15.329	.09999	.21704	21.807	.10196	.95339	.21976	.26610
#2	2.6675	.12323	15.322	.09879	.20579	21.934	.10115	.95665	.21960	.26549
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.20590**	**.55303**	**.05606**	**.27265**	**.05523**
Stddev	.00044	.03936	.00018	.00115	.00163
%RSD	.21299	7.1175	.31385	.42099	2.9447
#1	.20621	.58086	.05593	.27184	.05408
#2	.20559	.52520	.05618	.27346	.05638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3463.3**	**58336.**	**4927.0**
Stddev	10.1	77.	42.4
%RSD	.29034	.13170	.85956
#1	3456.2	58282.	4956.9
#2	3470.5	58390.	4897.0

Sample Name: 280-19407-e-18-a Acquired: 8/26/2011 16:33:09 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82744 6010C DOD4.1

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	.01964	-.00111	.07673	.97631	-.00026	-.00500	278.48	-.00030	.00193
Stddev	.00034	.00205	.00388	.00075	.00262	.00004	.00191	4.47	.00008	.00002
%RSD	6392.0	10.432	349.32	.97433	.26803	17.023	38.236	1.6061	26.866	1.0700
#1	-.00023	.01819	-.00386	.07726	.97446	-.00029	-.00635	275.32	-.00024	.00195
#2	.00024	.02109	.00163	.07620	.97816	-.00023	-.00365	281.65	-.00036	.00192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00033	.00099	.61684	6.5496	.05621	91.608	1.2100	.00100	107.86	.00499
Stddev	.00016	.00064	.00320	.0074	.00115	.041	.0003	.00045	.41	.00026
%RSD	48.131	65.365	.51901	.11233	2.0379	.04444	.02275	44.570	.38136	5.2513
#1	.00022	.00144	.61458	6.5444	.05540	91.579	1.2098	.00069	108.15	.00517
#2	.00044	.00053	.61911	6.5548	.05702	91.637	1.2102	.00132	107.57	.00480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00579	W -.00332	9.5980	.00043	.00424	7.6547	-.00080	.74596	-.00199	.00022
Stddev	.00676	.00157	.0059	.00274	.00017	.0032	.00030	.00165	.00015	.00002
%RSD	116.71	47.282	.06191	631.92	3.9338	.04186	37.405	.22161	7.6932	7.6622
#1	.00101	-.00443	9.5938	.00238	.00436	7.6570	-.00101	.74479	-.00189	.00021
#2	.01057	-.00221	9.6022	-.00151	.00412	7.6525	-.00059	.74713	-.00210	.00024
Check ?	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000								
Low Limit		-.00300								

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00070	.00345	F -.03092	.00350	.00333
Stddev	.00233	.05064	.00040	.00016	.00246
%RSD	333.16	1469.5	1.2962	4.4410	73.696
#1	.00235	.03925	-.03120	.00361	.00160
#2	-.00095	-.03236	-.03064	.00339	.00507
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			50.000		
Low Limit			-.02000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3300.5	56545.	4810.1
Stddev	10.7	186.	39.8
%RSD	.32354	.32929	.82727
#1	3293.0	56677.	4838.3
#2	3308.1	56414.	4782.0

Sample Name: 280-19419-c-1-a Acquired: 8/26/2011 16:35:46 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82744 6010C DOD4.1

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.03753**	**.01181**	**.04657**	**.14756**	**-.00002**	**-.00004**	**73.235**	**-.00038**	**.00131**
Stddev	.00020	.00141	.00084	.00013	.00042	.00004	.00067	.317	.00001	.00001
%RSD	116.45	3.7496	7.1131	.28671	.28642	221.92	1701.5	.43238	3.8481	.66261
#1	.00003	.03853	.01121	.04648	.14785	-.00005	.00043	73.459	-.00036	.00132
#2	.00031	.03654	.01240	.04667	.14726	.00001	-.00051	73.011	-.00039	.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**.00103**	**10.993**	**1.2422**	**.00691**	**22.171**	**.38676**	**.00307**	**5.9615**	**.00229**
Stddev	.00023	.00015	.076	.0362	.00346	.025	.00000	.00003	.0621	.00036
%RSD	23.002	14.234	.69086	2.9123	50.044	.11491	.00021	.81598	1.0415	15.639
#1	.00118	.00092	11.047	1.2166	.00935	22.153	.38676	.00309	6.0054	.00204
#2	.00085	.00113	10.940	1.2677	.00446	22.189	.38676	.00305	5.9176	.00254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12306**	**-.00216**	**5.9514**	**.00106**	**.00319**	**6.8479**	**-.00006**	**.10011**	**-.00072**	**.00127**
Stddev	.00231	.00070	.0249	.00017	.00360	.0256	.00015	.00059	.00119	.00036
%RSD	1.8787	32.256	.41796	15.950	112.93	.37447	258.44	.59047	165.17	28.412
#1	.12143	-.00167	5.9338	.00118	.00064	6.8660	-.00017	.10052	.00012	.00102
#2	.12470	-.00265	5.9689	.00094	.00573	6.8297	.00005	.09969	-.00156	.00153
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00130**	**.01452**	**-.00611**	**.00535**	**.00237**
Stddev	.00098	.01947	.00012	.00031	.00048
%RSD	75.048	134.12	1.9019	5.7967	20.224
#1	.00199	.00075	-.00619	.00556	.00271
#2	.00061	.02828	-.00603	.00513	.00203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3501.6**	**59423.**	**4936.3**
Stddev	3.5	136.	7.6
%RSD	.09994	.22873	.15306
#1	3499.1	59327.	4931.0
#2	3504.1	59520.	4941.7

Sample Name: 280-19419-c-2-a Acquired: 8/26/2011 16:38:18 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82744 6010C DOD4.1

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00017	.00547	.00323	.05771	.01211	-.00010	-.00121	74.550	-.00012	-.00029
Stddev	.00101	.00031	.00712	.00008	.00039	.00008	.00002	.165	.00012	.00017
%RSD	604.79	5.5990	220.26	.13763	3.2320	75.231	2.0438	.22193	102.39	59.435
#1	.00088	.00569	-.00180	.05765	.01184	-.00005	-.00119	74.433	-.00003	-.00017
#2	-.00054	.00525	.00826	.05777	.01239	-.00016	-.00122	74.667	-.00020	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.00055	.01516	8.3660	.00408	22.458	.00097	-.00089	1.9526	.00049
Stddev	.00023	.00035	.00021	.0481	.00298	.005	.00006	.00043	.0209	.00029
%RSD	860.00	63.991	1.3728	.57479	73.019	.02374	5.7188	47.948	1.0684	58.357
#1	-.00014	.00080	.01531	8.4000	.00197	22.462	.00093	-.00120	1.9674	.00069
#2	.00019	.00030	.01501	8.3320	.00618	22.454	.00101	-.00059	1.9379	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00003	-.00214	5.1682	.00045	-.00037	8.1327	.00022	.12849	-.00162	-.00049
Stddev	.00255	.00294	.0003	.00013	.00038	.0247	.00052	.00012	.00141	.00032
%RSD	9223.7	137.55	.00591	29.731	101.77	.30415	237.08	.09191	86.940	65.948
#1	-.00183	-.00006	5.1680	.00036	-.00010	8.1152	-.00015	.12841	-.00062	-.00072
#2	.00178	-.00421	5.1685	.00055	-.00064	8.1501	.00059	.12857	-.00262	-.00026
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00023	.00228	-.00003	.00188	.00451
Stddev	.00103	.01076	.00031	.00002	.00020
%RSD	449.73	472.23	1049.4	1.2130	4.3596
#1	.00050	-.00533	-.00025	.00189	.00465
#2	-.00096	.00988	.00019	.00186	.00437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3480.6	59992.	4890.3
Stddev	.3	131.	11.4
%RSD	.00923	.21860	.23344
#1	3480.8	59900.	4898.4
#2	3480.4	60085.	4882.3

Sample Name: CCVH-940568 Acquired: 8/26/2011 16:40:51 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02016**	**48.727**	**-.00033**	**.00218**	**.00060**	**-.00013**	**.99849**	**.01409**	**-.00160**	**.00236**	**.00006**	**-.00133**	**49.598**
Stddev	.00009	.049	.00229	.00071	.00023	.00008	.00037	.00170	.00014	.00016	.00000	.00040	.177
%RSD	.45743	.10047	695.11	32.522	38.925	63.442	.03676	12.052	9.0323	6.8297	5.2214	30.551	.35624
#1	-.02009	48.761	-.00195	.00168	.00043	-.00019	.99875	.01289	-.00150	.00225	.00005	-.00161	49.722
#2	-.02022	48.692	.00129	.00268	.00076	-.00007	.99823	.01529	-.00170	.00248	.00006	-.00104	49.473
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21382**	**.00379**	**-.10707**	**-.00021**	**-.00245**	**255.44**	**.00180**	**.00288**	**-.00277**	**5.0445**	**-.00926**	**.01157**	**.02253**
Stddev	.03541	.00368	.00406	.00005	.00014	.03	.00014	.00091	.00047	.0096	.00138	.00009	.00581
%RSD	16.559	97.042	3.7896	23.987	5.8615	.01341	7.7356	31.795	16.772	.18964	14.925	.81313	25.788
#1	.18878	.00639	-.10420	-.00025	-.00256	255.42	.00190	.00223	-.00310	5.0377	-.00828	.01150	.02664
#2	.23885	.00119	-.10994	-.00017	-.00235	255.46	.00170	.00352	-.00245	5.0512	-.01024	.01164	.01842
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00104**	**.00035**	**4.8632**	**.00069**	**.00244**	**10.415**	**-.00889**	**.00281**	**.04632**
Stddev	.00015	.00006	.0036	.00029	.00075	.039	.00023	.00026	.00343
%RSD	14.027	18.445	.07394	41.732	30.866	.36986	2.5334	9.0867	7.3948
#1	.00114	.00040	4.8658	.00048	.00191	10.388	-.00905	.00299	.04390
#2	.00094	.00030	4.8607	.00089	.00298	10.443	-.00873	.00263	.04874
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3457.7**	**58064.**	**4836.9**
Stddev	3.4	178.	13.3
%RSD	.09832	.30631	.27412
#1	3455.2	58190.	4827.6
#2	3460.1	57938.	4846.3

Sample Name: CCV-940591 Acquired: 8/26/2011 16:43:27 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50913**	**.51832**	**1.0130**	**.50306**	**.49530**	**.49285**	**-.00076**	**4.7768**	**.51073**	**.49401**	**.49443**	**.50641**	**2.4525**
Stddev	.00087	.00149	.0007	.00082	.00012	.00024	.00022	.0112	.00044	.00020	.00068	.00156	.0078
%RSD	.17128	.28821	.06540	.16295	.02428	.04817	28.358	.23404	.08669	.04145	.13659	.30707	.31971
#1	.50975	.51727	1.0134	.50248	.49522	.49268	-.00061	4.7847	.51105	.49415	.49491	.50750	2.4580
#2	.50852	.51938	1.0125	.50364	.49539	.49301	-.00092	4.7689	.51042	.49386	.49395	.50531	2.4469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.775**	**1.0072**	**20.086**	**.50405**	**.50373**	**5.4230**	**.50110**	**.97756**	**1.0186**	**.00211**	**1.0003**	**.99916**	**4.7289**
Stddev	.047	.0021	.045	.00109	.00151	.0446	.00052	.00216	.0026	.00619	.0048	.00380	.0109
%RSD	.09753	.20612	.22503	.21534	.29989	.82243	.10390	.22137	.25167	293.35	.47554	.38046	.23076
#1	47.808	1.0086	20.118	.50482	.50479	5.4545	.50147	.97603	1.0168	.00648	1.0037	1.0018	4.7212
#2	47.742	1.0057	20.054	.50328	.50266	5.3915	.50073	.97909	1.0204	-.00227	.99696	.99647	4.7367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0070**	**.50052**	**.00229**	**.48491**	**.99049**	**.00422**	**.50663**	**.50096**	**.50364**
Stddev	.0001	.00066	.00084	.00009	.00112	.02598	.00004	.00121	.00577
%RSD	.00525	.13139	36.823	.01944	.11317	615.38	.00724	.24110	1.1464
#1	1.0070	.50005	.00289	.48497	.98969	-.01415	.50660	.50181	.49956
#2	1.0070	.50098	.00170	.48484	.99128	.02259	.50665	.50010	.50772
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3505.4**	**59354.**	**4871.5**
Stddev	5.2	222.	10.4
%RSD	.14776	.37353	.21391
#1	3509.1	59197.	4878.9
#2	3501.7	59510.	4864.1

Sample Name: CCB Acquired: 8/26/2011 16:45:49 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**-.00030**	W **.00489**	W **.00212**	**.00053**	**-.00004**	**-.00284**	**-.00082**	**-.00012**	**.00016**	**.00008**
Stddev	.00068	.00010	.00234	.00080	.00012	.00011	.00067	.00270	.00006	.00014	.00018
%RSD	136.91	33.847	47.903	37.771	22.915	255.04	23.531	329.58	48.605	85.316	225.96
#1	.00002	-.00023	.00323	.00155	.00045	.00004	-.00331	.00109	-.00016	.00006	-.00005
#2	.00098	-.00037	.00655	.00269	.00062	-.00012	-.00237	-.00273	-.00008	.00026	.00021
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00440	.00156							
Low Limit			-.00440	-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**-.00117**	**.10208**	W **.00298**	**.00348**	**.00010**	**.00215**	F **.13833**	**.00080**	**-.00299**	**-.00014**
Stddev	.00010	.00298	.01860	.00014	.00318	.00001	.00067	.00523	.00032	.00271	.00057
%RSD	42.929	255.19	18.221	4.6327	91.396	10.877	31.223	3.7799	40.223	90.703	408.24
#1	-.00016	.00094	.11523	.00308	.00123	.00011	.00167	.14202	.00058	-.00491	.00026
#2	-.00029	-.00327	.08893	.00288	.00573	.00009	.00262	.13463	.00103	-.00107	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.10000			
Low Limit				-.00261				-.10000			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00270**	F **.01064**	**.00304**	**-.00450**	**.00056**	**-.00001**	**-.00170**	**-.00019**	**.00173**	**-.00956**	**-.00036**
Stddev	.00384	.00153	.00003	.00694	.00084	.00007	.00023	.00017	.00072	.00165	.00010
%RSD	142.34	14.344	1.1464	154.24	150.91	872.62	13.694	90.934	41.815	17.211	28.656
#1	.00541	.00956	.00306	.00041	-.00004	.00004	-.00153	-.00007	.00224	-.00840	-.00028
#2	-.00002	.01172	.00301	-.00940	.00115	-.00005	-.00186	-.00032	.00122	-.01073	-.00043
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00109**	W **.00409**
Stddev	.00001	.00427
%RSD	1.2681	104.60
#1	.00110	.00711
#2	.00108	.00106
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3576.5**	**60602.**	**4837.3**
Stddev	12.1	10.	17.9
%RSD	.33718	.01622	.37083
#1	3568.0	60595.	4850.0
#2	3585.1	60609.	4824.6

Sample Name: CCVL-946273 Acquired: 8/26/2011 16:48:24 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01069**	**.10302**	W **.01921**	**.10433**	**.01032**	**.00088**	W **.12193**	**.19361**	**.00497**	**.01032**	**.00987**
Stddev	.00067	.00136	.00010	.00026	.00004	.00009	.00007	.00060	.00007	.00006	.00008
%RSD	6.2724	1.3222	.50458	.25035	.38565	9.7242	.05869	.30851	1.4123	.57037	.83960
#1	.01117	.10398	.01928	.10451	.01029	.00094	.12188	.19403	.00492	.01037	.00981
#2	.01022	.10205	.01914	.10414	.01035	.00082	.12198	.19318	.00502	.01028	.00993
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500				.10000				
Range			20.000%				20.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01569**	**.09398**	**2.8911**	W **.01281**	**.20846**	**.01039**	**.01955**	**1.1828**	**.04173**	**2.8743**	**.00772**
Stddev	.00017	.00174	.0396	.00122	.00073	.00001	.00053	.0195	.00016	.0107	.00125
%RSD	1.0824	1.8485	1.3689	9.5586	.35097	.11493	2.7089	1.6472	.37994	.37151	16.191
#1	.01581	.09275	2.8632	.01367	.20794	.01039	.01918	1.1690	.04162	2.8819	.00861
#2	.01557	.09521	2.9191	.01194	.20898	.01040	.01993	1.1966	.04184	2.8668	.00684
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00106**	F **.01479**	**.01222**	**.47110**	**.10131**	**.01015**	**.01465**	**.00950**	**.01676**	**.05409**	**.01019**
Stddev	.00189	.00179	.00105	.01047	.00087	.00006	.00287	.00009	.00081	.00141	.00044
%RSD	179.28	12.070	8.6070	2.2218	.86148	.60531	19.567	.95225	4.8444	2.6018	4.2853
#1	.00028	.01605	.01147	.46370	.10193	.01011	.01668	.00943	.01618	.05508	.01050
#2	-.00240	.01353	.01296	.47850	.10070	.01019	.01263	.00956	.01733	.05309	.00988
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.01000									
Range		30.000%									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02236**	F **.02037**
Stddev	.00011	.00380
%RSD	.48105	18.652
#1	.02229	.02305
#2	.02244	.01768
Check ?	Chk Pass	Chk Fail
Value		.01500
Range		30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3593.8**	**61341.**	**4892.7**
Stddev	9.0	358.	7.7
%RSD	.25002	.58426	.15692
#1	3600.1	61088.	4898.1
#2	3587.4	61595.	4887.2

Sample Name: mb 280-83075/1-a Acquired: 8/26/2011 16:50:57 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83075 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00214**	**.00437**	**.00217**	**.00038**	**-.00007**	**-.00318**	**.00500**	**-.00048**	**.00010**
Stddev	.00058	.00068	.00184	.00031	.00007	.00010	.00133	.00142	.00031	.00032
%RSD	531.06	31.601	42.103	14.133	18.502	141.31	41.853	28.429	63.842	322.52
#1	-.00030	.00262	.00568	.00238	.00033	.00000	-.00224	.00399	-.00026	.00032
#2	.00052	.00166	.00307	.00195	.00043	-.00014	-.00412	.00600	-.00070	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00034**	**.00329**	**.09302**	W **.00543**	**.00290**	**.00032**	**-.00037**	**.11428**	**.00033**
Stddev	.00006	.00019	.00191	.00989	.00569	.00015	.00002	.00025	.00375	.00025
%RSD	83.306	55.359	58.060	10.630	104.70	5.0277	6.1217	67.270	3.2849	76.228
#1	-.00003	-.00048	.00464	.08602	.00945	.00300	.00034	-.00055	.11163	.00015
#2	-.00011	-.00021	.00194	.10001	.00141	.00280	.00031	-.00019	.11694	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00500					
Low Limit					-.00500					

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00099**	**.00869**	**-.00038**	**.00118**	**-.01714**	**-.00006**	**-.00007**	**-.00127**	**.00009**
Stddev	.00174	.00003	.00431	.00146	.00129	.01279	.00024	.00007	.00044	.00006
%RSD	709.13	3.3521	49.541	388.52	108.48	74.623	405.34	99.286	34.915	60.816
#1	-.00098	-.00096	.00565	-.00141	.00028	-.00810	-.00023	-.00011	-.00159	.00013
#2	.00147	-.00101	.01174	.00066	.00209	-.02619	.00011	-.00002	-.00096	.00005
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00072**	**.00000**	**.00212**	**.00257**
Stddev	.00103	.02110	.00006	.00019	.00031
%RSD	364.79	2949.4	1671.4	8.7952	12.149
#1	-.00045	-.01420	.00005	.00225	.00235
#2	.00101	.01563	-.00004	.00199	.00280
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3618.0**	**61731.**	**4916.7**
Stddev	6.2	111.	15.6
%RSD	.17074	.17994	.31761
#1	3613.7	61652.	4905.6
#2	3622.4	61809.	4927.7

Sample Name: lcs 280-83075/2-a Acquired: 8/26/2011 16:53:38 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83075 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04933**	**1.9300**	**1.0443**	**1.0175**	**2.0414**	**.05107**	F **2.3255**	**48.743**	**.10887**	**.49198**
Stddev	.00004	.0250	.0004	.0000	.0002	.00045	.0043	.018	.00038	.00017
%RSD	.07125	1.2961	.04210	.00063	.01190	.87670	.18658	.03762	.35079	.03423
#1	.04936	1.9477	1.0446	1.0175	2.0412	.05139	2.3225	48.756	.10914	.49186
#2	.04931	1.9124	1.0440	1.0175	2.0416	.05076	2.3286	48.730	.10860	.49210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20101**	**.25536**	**1.0101**	**49.853**	**1.0363**	**50.631**	**.51011**	**1.0449**	**53.314**	**.49975**
Stddev	.00004	.00028	.0075	.033	.0004	.069	.00062	.0025	.099	.00042
%RSD	.02079	.11054	.74145	.06523	.03811	.13592	.12192	.23845	.18551	.08411
#1	.20098	.25516	1.0154	49.876	1.0360	50.680	.51055	1.0466	53.384	.49945
#2	.20104	.25556	1.0048	49.830	1.0366	50.583	.50967	1.0431	53.244	.50005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.196**	**.51234**	**.00729**	**.52368**	**2.0698**	**9.6810**	**2.0442**	**1.0351**	**.98820**	**1.0048**
Stddev	.005	.00259	.00072	.00043	.0069	.0586	.0021	.0001	.00437	.0012
%RSD	.04466	.50560	9.9197	.08141	.33099	.60577	.10013	.00599	.44173	.11943
#1	10.200	.51051	.00677	.52398	2.0650	9.6395	2.0428	1.0352	.99129	1.0056
#2	10.193	.51417	.00780	.52338	2.0747	9.7225	2.0457	1.0351	.98511	1.0039
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9815**	**2.1660**	**.51701**	**.50434**	**.54088**
Stddev	.0040	.0119	.00020	.00052	.00506
%RSD	.20046	.54818	.03954	.10280	.93555
#1	1.9843	2.1744	.51686	.50471	.53730
#2	1.9787	2.1576	.51715	.50397	.54445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3478.9**	**58724.**	**4848.7**
Stddev	3.3	105.	2.6
%RSD	.09426	.17861	.05334
#1	3476.6	58650.	4846.8
#2	3481.2	58798.	4850.5

Sample Name: 280-19518-a-1-a Acquired: 8/26/2011 16:55:58 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83075 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00136**	**.01656**	**.01065**	**.00497**	**.00883**	**-.00007**	**-.00193**	**.08417**	**.00009**	**.00081**
Stddev	.00013	.00207	.00281	.00000	.00069	.00004	.00177	.00127	.00046	.00011
%RSD	9.4697	12.531	26.419	.01761	7.8081	55.496	92.100	1.5116	510.05	13.491
#1	.00145	.01509	.00866	.00497	.00932	-.00009	-.00067	.08507	-.00024	.00073
#2	.00127	.01802	.01265	.00497	.00834	-.00004	-.00318	.08327	.00042	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**.00640**	**.01229**	**1.6813**	**.00964**	**.01407**	**.00078**	**.00579**	W **1520.6**	**.01004**
Stddev	.00034	.00005	.00109	.1203	.00055	.00088	.00001	.00216	.0	.00055
%RSD	40.814	.70512	8.8616	7.1533	5.7413	6.2643	1.6562	37.335	.00299	5.5014
#1	.00059	.00637	.01307	1.5963	.00925	.01344	.00077	.00426	1520.6	.00965
#2	.00107	.00643	.01152	1.7664	.01004	.01469	.00078	.00731	1520.7	.01043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02108**	**-.00074**	**.04950**	**.00169**	**.01393**	**.02091**	**.00313**	**.00078**	**-.00076**	**.00003**
Stddev	.00492	.00059	.00606	.00178	.00317	.00037	.00188	.00007	.00164	.00008
%RSD	23.346	79.571	12.248	105.66	22.772	1.7832	60.270	9.5068	216.64	261.49
#1	.01760	-.00032	.05378	.00043	.01169	.02065	.00179	.00073	.00040	.00009
#2	.02456	-.00115	.04521	.00295	.01617	.02118	.00446	.00083	-.00192	-.00003
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00154**	**.02702**	**-.00053**	**.00930**	**.00237**
Stddev	.00072	.03251	.00024	.00022	.00196
%RSD	46.548	120.34	44.784	2.3486	82.811
#1	-.00204	.00403	-.00069	.00945	.00375
#2	-.00103	.05001	-.00036	.00914	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3336.1**	**54620.**	**4941.5**
Stddev	2.0	100.	12.6
%RSD	.05881	.18270	.25547
#1	3334.8	54549.	4932.6
#2	3337.5	54690.	4950.5

Sample Name: 280-19518-a-1-aSD@5 Acquired: 8/26/2011 16:59:26 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83075 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00076	.00478	.00179	.00232	.00169	-.00009	.00040	.01701	-.00045	.00028
Stddev	.00047	.00123	.00054	.00054	.00004	.00006	.00118	.00025	.00014	.00002
%RSD	62.005	25.642	30.242	23.200	2.2693	60.014	297.56	1.4766	30.836	5.9096
#1	.00109	.00391	.00217	.00270	.00172	-.00013	-.00044	.01683	-.00035	.00029
#2	.00042	.00564	.00140	.00194	.00166	-.00005	.00123	.01719	-.00055	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00015	.00189	.00808	.50238	.00138	.00927	.00037	-.00049	299.48	.00282
Stddev	.00008	.00008	.00573	.01644	.00208	.00285	.00000	.00009	1.17	.00038
%RSD	51.921	4.0934	70.981	3.2722	150.21	30.736	.13605	18.139	.38992	13.351
#1	.00009	.00194	.00402	.49076	-.00009	.01129	.00037	-.00055	300.31	.00308
#2	.00020	.00184	.01213	.51400	.00285	.00726	.00037	-.00043	298.65	.00255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00165	-.00189	.00731	.00056	-.00124	.00034	-.00068	.00015	-.00252	-.00071
Stddev	.00135	.00214	.00839	.00174	.00119	.02565	.00048	.00002	.00102	.00005
%RSD	81.600	113.14	114.76	309.00	95.581	7455.5	69.878	9.9263	40.537	7.4326
#1	.00070	-.00038	.00138	.00179	-.00208	-.01779	-.00102	.00017	-.00324	-.00075
#2	.00261	-.00341	.01324	-.00067	-.00040	.01848	-.00035	.00014	-.00180	-.00067
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00201	.01269	-.00030	.00417	.00297
Stddev	.00133	.00655	.00059	.00053	.00090
%RSD	66.392	51.636	194.82	12.681	30.196
#1	.00106	.01732	-.00071	.00454	.00361
#2	.00295	.00806	.00011	.00380	.00234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3431.0	57700.	4898.4
Stddev	27.1	162.	12.8
%RSD	.78954	.28018	.26131
#1	3411.8	57814.	4889.4
#2	3450.1	57586.	4907.5

Sample Name: 280-19518-a-1-b ms Acquired: 8/26/2011 17:02:06 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83075 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05139**	**1.7563**	**1.0776**	**.96840**	**2.0189**	**.05058**	**2.2700**	**48.204**	**.10998**	**.48006**
Stddev	.00082	.0162	.0005	.00100	.0011	.00032	.0012	.077	.00024	.00009
%RSD	1.6037	.92150	.04445	.10292	.05240	.62529	.05336	.16042	.21524	.01908
#1	.05081	1.7677	1.0779	.96770	2.0196	.05080	2.2708	48.258	.11015	.47999
#2	.05197	1.7448	1.0772	.96911	2.0181	.05035	2.2691	48.149	.10982	.48012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19810**	**.26080**	**1.0074**	**55.724**	**1.0562**	**47.894**	**.50765**	**1.0375**	W **1588.2**	**.49816**
Stddev	.00000	.00034	.0034	.193	.0001	.013	.00059	.0023	1.5	.00004
%RSD	.00076	.13135	.34061	.34664	.01417	.02762	.11609	.22157	.09490	.00734
#1	.19810	.26056	1.0098	55.588	1.0561	47.884	.50807	1.0391	1589.3	.49813
#2	.19810	.26104	1.0050	55.861	1.0563	47.903	.50723	1.0358	1587.2	.49818
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.433**	**.48914**	**.04162**	**.52181**	**2.1509**	**9.6549**	**1.9850**	**1.0204**	**.99638**	**1.0136**
Stddev	.004	.00128	.00170	.00154	.0023	.0178	.0010	.0008	.00010	.0008
%RSD	.03742	.26269	4.0833	.29545	.10743	.18445	.04985	.07828	.01036	.07675
#1	10.436	.48823	.04282	.52072	2.1525	9.6423	1.9857	1.0209	.99645	1.0141
#2	10.430	.49004	.04042	.52290	2.1493	9.6675	1.9843	1.0198	.99630	1.0130
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.7611**	**2.1005**	**.52632**	**.52666**	**.54135**
Stddev	.0061	.0164	.00115	.00176	.00104
%RSD	.34529	.78106	.21784	.33444	.19138
#1	1.7654	2.1121	.52713	.52791	.54208
#2	1.7568	2.0889	.52551	.52542	.54062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3314.5**	**54254.**	**4933.1**
Stddev	1.6	113.	.3
%RSD	.04732	.20772	.00679
#1	3313.4	54174.	4933.3
#2	3315.6	54334.	4932.8

Sample Name: 280-19518-a-1-c msd Acquired: 8/26/2011 17:05:18 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83075 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05255**	**1.7659**	**1.0849**	**.96803**	**2.0186**	**.05044**	**2.2754**	**48.130**	**.11034**	**.48108**
Stddev	.00039	.0154	.0032	.00189	.0029	.00012	.0050	.097	.00032	.00065
%RSD	.73651	.87062	.29055	.19548	.14267	.23811	.21929	.20184	.28896	.13443
#1	.05283	1.7768	1.0871	.96669	2.0166	.05036	2.2719	48.061	.11011	.48154
#2	.05228	1.7550	1.0827	.96937	2.0207	.05053	2.2789	48.199	.11056	.48063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19795**	**.26151**	**1.0067**	**55.862**	**1.0580**	**47.782**	**.50854**	**1.0418**	W **1583.5**	**.49861**
Stddev	.00041	.00001	.0012	.266	.0047	.049	.00008	.0009	1.2	.00023
%RSD	.20837	.00360	.12291	.47643	.44094	.10243	.01664	.08540	.07434	.04647
#1	.19766	.26152	1.0076	55.674	1.0613	47.747	.50848	1.0424	1582.7	.49877
#2	.19824	.26150	1.0059	56.050	1.0547	47.816	.50860	1.0411	1584.3	.49844
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.466**	**.49079**	**.13601**	**.52143**	**2.1576**	**9.6580**	**1.9794**	**1.0221**	**.99856**	**1.0130**
Stddev	.016	.00210	.00711	.00049	.0010	.0306	.0014	.0012	.00108	.0017
%RSD	.15603	.42695	5.2298	.09440	.04720	.31685	.07159	.11748	.10824	.16665
#1	10.477	.49227	.13098	.52178	2.1583	9.6364	1.9804	1.0213	.99933	1.0118
#2	10.454	.48930	.14104	.52108	2.1568	9.6796	1.9784	1.0230	.99780	1.0142
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.7658**	**2.0938**	**.52425**	**.52946**	**.53526**
Stddev	.0035	.0326	.00055	.00088	.00260
%RSD	.19650	1.5546	.10530	.16534	.48553
#1	1.7634	2.0708	.52386	.52884	.53343
#2	1.7683	2.1168	.52464	.53008	.53710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3320.6**	**54799.**	**4989.7**
Stddev	7.6	97.	15.6
%RSD	.22800	.17665	.31171
#1	3315.2	54868.	4978.7
#2	3325.9	54731.	5000.7

Sample Name: 280-19518-a-2-a Acquired: 8/26/2011 17:08:29 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83075 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.01245**	**.00504**	**.00406**	**.00136**	**-.00005**	**-.00163**	**.07947**	**-.00011**	**-.00007**
Stddev	.00098	.00050	.00023	.00004	.00016	.00004	.00298	.00016	.00012	.00002
%RSD	158.57	4.0440	4.5305	1.0753	11.878	73.548	182.62	.19676	109.58	32.874
#1	-.00007	.01281	.00488	.00403	.00124	-.00002	.00048	.07936	-.00002	-.00009
#2	.00131	.01210	.00520	.00409	.00147	-.00008	-.00374	.07959	-.00019	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00469**	**.02452**	**.32831**	**-.00179**	**.01955**	**.00073**	**.00113**	**1.1062**	**.00043**
Stddev	.00006	.00007	.00134	.00320	.00286	.00061	.00007	.00062	.0338	.00013
%RSD	33.442	1.5265	5.4440	.97446	159.36	3.1171	9.5962	55.135	3.0511	31.198
#1	.00013	.00464	.02358	.32605	.00023	.01912	.00078	.00069	1.1301	.00033
#2	.00021	.00474	.02547	.33057	-.00381	.01998	.00068	.00157	1.0823	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04138**	**.00057**	**.05365**	**.00158**	**.00480**	**.00512**	**.00133**	**.00036**	**-.00074**	**.00029**
Stddev	.00154	.00003	.00429	.00088	.00198	.00024	.00003	.00005	.00051	.00038
%RSD	3.7160	5.9293	8.0035	55.721	41.157	4.7818	2.5732	12.665	68.596	132.52
#1	.04246	.00055	.05062	.00096	.00620	.00529	.00136	.00039	-.00110	.00002
#2	.04029	.00059	.05669	.00221	.00340	.00494	.00131	.00033	-.00038	.00056
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00271**	**-.00170**	**-.00041**	**.00855**	**.00403**
Stddev	.00021	.00197	.00002	.00002	.00042
%RSD	7.8243	116.37	5.2091	.28106	10.321
#1	-.00286	-.00030	-.00042	.00857	.00433
#2	-.00256	-.00309	-.00039	.00853	.00374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3703.1**	**63993.**	**5144.3**
Stddev	13.3	48.	36.9
%RSD	.35931	.07513	.71820
#1	3693.7	63959.	5170.5
#2	3712.5	64027.	5118.2

Sample Name: 280-19518-a-3-a Acquired: 8/26/2011 17:11:04 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83075 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00144**	**1.0752**	**.01719**	**.11023**	**.74600**	**.00048**	**-.00375**	**41.480**	**.00060**	**.05975**
Stddev	.00062	.0076	.00184	.00114	.00151	.00001	.00039	.138	.00047	.00015
%RSD	43.020	.70937	10.705	1.0387	.20190	2.7429	10.385	.33245	78.063	.25716
#1	.00100	1.0806	.01849	.10942	.74707	.00047	-.00348	41.578	.00027	.05965
#2	.00188	1.0698	.01589	.11104	.74494	.00049	-.00403	41.383	.00094	.05986
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00934**	**.70511**	**7.2656**	**4.7180**	**.03399**	**6.7382**	**.43860**	**.00147**	W **1554.6**	**.36898**
Stddev	.00006	.00101	.0261	.1868	.00365	.0008	.00025	.00043	.6	.00077
%RSD	.63512	.14337	.35907	3.9594	10.752	.01122	.05632	29.006	.03986	.20792
#1	.00929	.70440	7.2840	4.5859	.03657	6.7388	.43842	.00117	1555.1	.36844
#2	.00938	.70583	7.2471	4.8500	.03141	6.7377	.43877	.00177	1554.2	.36952
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01883**	**.26059**	**4.4618**	**.01423**	**.00422**	**6.6458**	**.00192**	**.38858**	**.00008**	**.00147**
Stddev	.00110	.00311	.0028	.00037	.00341	.0121	.00013	.00001	.00108	.00067
%RSD	5.8437	1.1923	.06348	2.5865	80.882	.18266	6.5339	.00215	1415.6	45.662
#1	.01805	.25839	4.4638	.01397	.00181	6.6372	.00201	.38859	.00084	.00100
#2	.01961	.26278	4.4598	.01449	.00663	6.6544	.00183	.38858	-.00069	.00194
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00262**	W **-.07416**	W **-.01219**	**.25058**	**.00456**
Stddev	.00205	.06015	.00018	.00056	.00062
%RSD	77.992	81.102	1.4935	.22502	13.588
#1	-.00118	-.03163	-.01206	.25098	.00413
#2	-.00407	-.11669	-.01232	.25018	.00500
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass
High Limit		45.000	45.000		
Low Limit		-.05000	-.01000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3356.3**	**54724.**	**5058.3**
Stddev	.2	52.	1.6
%RSD	.00467	.09584	.03128
#1	3356.2	54761.	5057.2
#2	3356.4	54687.	5059.4

Sample Name: CCVH-940568 Acquired: 8/26/2011 17:14:26 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02111**	**48.547**	**-.00177**	**.00292**	**.00040**	**-.00020**	**1.0028**	**.00442**	**-.00170**	**.00221**	**.00020**	**-.00100**	**49.587**
Stddev	.00041	.008	.00153	.00041	.00028	.00004	.0035	.00387	.00017	.00015	.00005	.00020	.067
%RSD	1.9482	.01651	86.527	14.125	70.789	21.763	.35207	87.469	9.7858	6.6967	23.455	20.407	.13560
#1	-.02140	48.541	-.00285	.00263	.00020	-.00023	1.0053	.00716	-.00158	.00232	.00017	-.00114	49.634
#2	-.02082	48.552	-.00069	.00322	.00060	-.00017	1.0003	.00169	-.00181	.00211	.00024	-.00085	49.539
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36248**	**.00433**	**-.10623**	**-.00026**	**-.00247**	**257.15**	**.00135**	**.00273**	**-.00216**	**5.0773**	**-.01013**	**.01007**	**.00538**
Stddev	.01643	.00174	.00288	.00008	.00003	.00	.00042	.00172	.00065	.0011	.00204	.00216	.00899
%RSD	4.5328	40.071	2.7117	31.807	1.2050	.00066	30.876	63.143	30.084	.02087	20.089	21.415	167.12
#1	.37410	.00311	-.10419	-.00020	-.00245	257.15	.00106	.00394	-.00262	5.0781	-.01157	.01160	-.00098
#2	.35086	.00556	-.10826	-.00032	-.00249	257.14	.00165	.00151	-.00170	5.0766	-.00869	.00855	.01174
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00154**	**.00042**	**4.8685**	**.00083**	**.00296**	**10.499**	**-.00927**	**.00193**	**.04379**
Stddev	.00016	.00002	.0089	.00039	.00072	.041	.00036	.00012	.00062
%RSD	10.622	5.1027	.18391	46.672	24.207	.39274	3.8439	6.1617	1.4227
#1	.00143	.00041	4.8621	.00111	.00346	10.528	-.00902	.00201	.04335
#2	.00166	.00044	4.8748	.00056	.00245	10.470	-.00952	.00185	.04423
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3512.8**	**59175.**	**4939.6**
Stddev	3.7	10.	12.4
%RSD	.10616	.01731	.25167
#1	3515.4	59168.	4930.8
#2	3510.1	59182.	4948.4

Sample Name: CCV-940591 Acquired: 8/26/2011 17:17:03 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50719**	**.50540**	**1.0162**	**.50577**	**.49764**	**.49390**	**.00044**	**4.7803**	**.51227**	**.49302**	**.49436**	**.50707**
Stddev	.00064	.00257	.0032	.00069	.00096	.00048	.00083	.0026	.00039	.00046	.00003	.00081
%RSD	.12534	.50907	.31426	.13563	.19380	.09698	190.22	.05367	.07670	.09252	.00695	.16035
#1	.50764	.50358	1.0140	.50528	.49696	.49356	-.00015	4.7785	.51199	.49335	.49433	.50765
#2	.50674	.50722	1.0185	.50625	.49832	.49424	.00103	4.7821	.51255	.49270	.49438	.50650
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4636**	**47.994**	**1.0098**	**19.902**	**.50328**	**.50688**	F **5.8328**	**.50073**	**.96712**	**1.0178**	**-.00228**	**1.0049**
Stddev	.0081	.102	.0010	.008	.00049	.00010	.0043	.00016	.00247	.0032	.00264	.0062
%RSD	.32890	.21193	.09741	.04072	.09649	.02016	.07433	.03227	.25547	.31308	115.72	.61321
#1	2.4579	47.922	1.0091	19.908	.50294	.50695	5.8297	.50084	.96887	1.0201	-.00041	1.0093
#2	2.4694	48.066	1.0105	19.896	.50362	.50680	5.8358	.50061	.96537	1.0156	-.00415	1.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0029**	**4.6985**	**1.0074**	**.50117**	**-.00122**	**.48479**	**.99240**	**.01642**	**.50436**	**.49597**	**.50683**
Stddev	.0032	.0135	.0031	.00063	.00050	.00013	.00141	.02283	.00069	.00164	.00192
%RSD	.31455	.28665	.30406	.12603	40.922	.02679	.14230	139.09	.13713	.32997	.37953
#1	1.0007	4.7080	1.0052	.50072	-.00086	.48470	.99140	.03256	.50485	.49712	.50547
#2	1.0051	4.6890	1.0095	.50161	-.00157	.48488	.99340	.00027	.50387	.49481	.50819
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3548.2**	**60187.**	**4925.5**
Stddev	3.6	381.	14.2
%RSD	.10014	.63233	.28785
#1	3550.7	60456.	4935.5
#2	3545.7	59918.	4915.5

Sample Name: CCB Acquired: 8/26/2011 17:19:25 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00091**	**.00324**	W **.00194**	**.00037**	**.00003**	**-.00344**	**-.00324**	**-.00029**	**.00037**	**.00002**
Stddev	.00023	.00139	.00177	.00084	.00019	.00009	.00022	.00132	.00015	.00031	.00003
%RSD	323.58	153.09	54.712	43.182	50.222	258.51	6.3365	40.734	50.282	83.332	137.44
#1	-.00009	-.00008	.00199	.00253	.00050	.00010	-.00328	-.00418	-.00040	.00015	.00000
#2	.00023	.00190	.00450	.00135	.00024	-.00003	-.00359	-.00231	-.00019	.00058	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.00100**	**.18539**	**.00124**	**.00316**	**.00002**	**.00200**	F **.47358**	**.00031**	**-.00198**	**-.00058**
Stddev	.00015	.00157	.04087	.00021	.00120	.00001	.00059	.01453	.00027	.00014	.00005
%RSD	85.300	156.85	22.046	17.258	37.964	42.188	29.279	3.0681	88.430	6.8896	8.8178
#1	-.00007	-.00011	.21429	.00109	.00231	.00002	.00159	.46331	.00012	-.00208	-.00054
#2	-.00028	.00211	.15649	.00139	.00401	.00003	.00242	.48386	.00050	-.00189	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.10000			
Low Limit								-.10000			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00104**	F **.01050**	**.00483**	**-.00740**	**.00022**	**.00000**	**.00050**	**-.00035**	**.00086**	**.01521**	**-.00005**
Stddev	.00264	.00166	.00018	.00112	.00025	.00008	.00050	.00034	.00037	.00695	.00012
%RSD	255.37	15.853	3.6780	15.129	114.84	1972.5	99.873	99.590	42.967	45.678	249.79
#1	-.00083	.00932	.00495	-.00661	.00004	.00006	.00085	-.00059	.00112	.02012	.00004
#2	.00291	.01167	.00470	-.00819	.00039	-.00005	.00015	-.00010	.00060	.01029	-.00014
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00137**	W **.00428**
Stddev	.00016	.00042
%RSD	11.913	9.8546
#1	.00126	.00458
#2	.00149	.00398
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3598.1**	**61447.**	**4866.1**
Stddev	20.2	70.	19.5
%RSD	.56203	.11395	.40116
#1	3583.8	61497.	4852.3
#2	3612.4	61397.	4879.9

Sample Name: CCVL946273 Acquired: 8/26/2011 17:21:59 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01080**	**.10279**	W **.01830**	**.10490**	**.01010**	**.00095**	W **.12036**	**.18823**	**.00485**	**.01029**	**.01002**
Stddev	.00075	.00242	.00027	.00091	.00046	.00005	.00254	.00105	.00003	.00008	.00015
%RSD	6.9672	2.3505	1.4597	.86366	4.5557	5.3382	2.1103	.55699	.59449	.80236	1.5096
#1	.01133	.10450	.01849	.10554	.01043	.00091	.11857	.18897	.00483	.01035	.01012
#2	.01027	.10109	.01811	.10426	.00978	.00098	.12216	.18749	.00487	.01024	.00991
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500				.10000				
Range			20.000%				20.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01535**	**.09937**	**2.9987**	W **.01284**	**.20980**	**.01040**	**.01992**	F **1.4404**	**.04121**	**2.8896**	**.00822**
Stddev	.00002	.00049	.0175	.00100	.00133	.00001	.00008	.0130	.00021	.0077	.00008
%RSD	.14864	.48921	.58400	7.7502	.63479	.05690	.39954	.89966	.50475	.26794	.98103
#1	.01537	.09903	2.9863	.01214	.21074	.01040	.01998	1.4313	.04136	2.8951	.00816
#2	.01533	.09972	3.0111	.01355	.20886	.01039	.01986	1.4496	.04107	2.8841	.00828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				.01000				1.0000			
Range				20.000%				30.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00111**	F **.01490**	**.01385**	**.46191**	**.10205**	**.01011**	**.01378**	**.00963**	**.01650**	W **.07272**	**.00931**
Stddev	.00179	.00013	.00142	.00154	.00083	.00005	.00043	.00025	.00004	.00731	.00002
%RSD	161.35	.84081	10.227	.33355	.81076	.49181	3.1009	2.6324	.24810	10.048	.22412
#1	-.00016	.01481	.01486	.46300	.10146	.01008	.01408	.00981	.01652	.07788	.00930
#2	.00237	.01499	.01285	.46082	.10263	.01015	.01347	.00945	.01647	.06755	.00933
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value		.01000								.06000	
Range		30.000%								20.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02200**	**.01656**
Stddev	.00004	.00057
%RSD	.18343	3.4178
#1	.02203	.01696
#2	.02197	.01616
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3581.7**	**61425.**	**4916.7**
Stddev	5.0	9.	15.5
%RSD	.14016	.01474	.31523
#1	3578.1	61431.	4905.8
#2	3585.2	61419.	4927.7

Sample Name: 280-19518-a-4-a Acquired: 8/26/2011 17:24:31 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83075 6010

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.20974**	**14.725**	**3.3926**	**6.8436**	**1.8433**	**.00154**	**.01280**	W **630.10**	**1.2583**	**.19078**
Stddev	.00046	.099	.0026	.0010	.0026	.00003	.00059	5.49	.0013	.00041
%RSD	.22111	.67356	.07742	.01399	.14274	2.2285	4.5733	.87174	.10669	.21533
#1	.21007	14.655	3.3908	6.8443	1.8414	.00157	.01321	633.99	1.2593	.19107
#2	.20941	14.795	3.3945	6.8429	1.8451	.00152	.01238	626.22	1.2574	.19049
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	.10000							500.00		
Low Limit	-.01000							-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04872**	**.22397**	**15.190**	W **264.19**	**1.0037**	W **506.76**	**1.0184**	**1.2203**	F **11623.**	**.47514**
Stddev	.00042	.00074	.035	.06	.0038	2.35	.0001	.0016	14.	.00028
%RSD	.86531	.32836	.23230	.02309	.37904	.46431	.01324	.13191	.12106	.05949
#1	.04842	.22345	15.165	264.15	1.0064	508.43	1.0185	1.2215	11614.	.47534
#2	.04902	.22449	15.215	264.23	1.0011	505.10	1.0183	1.2192	11633.	.47494
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				100.00		500.00			10000.	
Low Limit				-.50000		-.10000			9.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.873**	**.66308**	**2170.3**	**1.4323**	**.42774**	W **64.029**	**.15513**	W **15.230**	**.00010**	**.04787**
Stddev	.009	.00030	.8	.0069	.00087	.743	.00027	.034	.00371	.00002
%RSD	.03338	.04525	.03815	.48156	.20356	1.1609	.17606	.22500	3850.3	.05127
#1	26.879	.66287	2170.9	1.4372	.42836	64.554	.15493	15.205	.00272	.04789
#2	26.867	.66329	2169.8	1.4274	.42713	63.503	.15532	15.254	-.00252	.04786
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit						50.000		10.000		
Low Limit						-.10000		-.01000		

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**-.03150**	**.42500**	W **26.465**	**.00470**
Stddev	.00048	.01899	.00076	.042	.00006
%RSD	123.00	60.278	.17948	.15939	1.3088
#1	.00005	-.04493	.42554	26.495	.00465
#2	.00073	-.01807	.42446	26.436	.00474
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2743.6**	**45194.**	**4777.5**
Stddev	6.5	167.	1.0
%RSD	.23646	.37019	.02036
#1	2748.2	45075.	4776.8
#2	2739.0	45312.	4778.1

Sample Name: 280-19518-a-5-a Acquired: 8/26/2011 17:28:07 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83075 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**.86785**	**.01958**	**.16468**	**.40738**	**.00006**	**-.00060**	**175.48**	**-.00020**	**.12291**
Stddev	.00000	.01353	.00229	.00038	.00089	.00002	.00068	.14	.00027	.00018
%RSD	.42613	1.5593	11.700	.23372	.21771	27.091	114.00	.08019	136.39	.14370
#1	.00070	.87742	.01796	.16495	.40800	.00005	-.00012	175.57	-.00001	.12303
#2	.00070	.85828	.02120	.16440	.40675	.00007	-.00108	175.38	-.00039	.12278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00363**	**.01664**	**11.995**	**6.0674**	**.03648**	**31.554**	**.96748**	**.02778**	W **1581.3**	**1.6634**
Stddev	.00019	.00012	.035	.1026	.00183	.065	.00124	.00014	2.1	.0020
%RSD	5.1134	.69979	.29129	1.6914	5.0056	.20478	.12843	.52041	.13085	.11911
#1	.00350	.01656	12.020	5.9948	.03777	31.508	.96660	.02768	1582.8	1.6648
#2	.00376	.01673	11.970	6.1399	.03519	31.600	.96835	.02788	1579.8	1.6620
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04604**	**.01513**	**12.189**	**.01662**	**-.00066**	**12.387**	**.00061**	**.72457**	**.00202**	**.00409**
Stddev	.00749	.00128	.025	.00154	.00137	.044	.00004	.00111	.00093	.00038
%RSD	16.274	8.4408	.20633	9.2469	207.63	.35131	7.2874	.15375	45.803	9.2615
#1	.05134	.01604	12.207	.01771	-.00163	12.418	.00064	.72536	.00137	.00382
#2	.04074	.01423	12.171	.01554	.00031	12.356	.00057	.72378	.00268	.00436
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00207**	F **-.17537**	F **-.02565**	**.27083**	**.00463**
Stddev	.00062	.03043	.00086	.00011	.00198
%RSD	29.966	17.353	3.3520	.04085	42.776
#1	-.00251	-.19689	-.02626	.27091	.00603
#2	-.00163	-.15385	-.02504	.27075	.00323
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit		50.000	50.000		
Low Limit		-.10000	-.02000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3356.0**	**55206.**	**5094.7**
Stddev	9.9	111.	31.7
%RSD	.29495	.20145	.62132
#1	3349.0	55128.	5072.3
#2	3363.0	55285.	5117.0

Sample Name: 280-19518-a-6-a Acquired: 8/26/2011 17:31:29 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83075 6010

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.12877**	**15.223**	**8.2368**	**6.6392**	**2.2678**	**.00109**	**.01910**	W **756.64**	**1.2496**	**.27813**
Stddev	.00050	.030	.0091	.0026	.0016	.00010	.00505	3.70	.0002	.00047
%RSD	.39207	.19794	.11033	.03870	.06998	9.0204	26.451	.48875	.01814	.16927
#1	.12841	15.201	8.2304	6.6373	2.2667	.00116	.02268	754.03	1.2498	.27847
#2	.12912	15.244	8.2432	6.6410	2.2689	.00102	.01553	759.25	1.2495	.27780
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	.10000							500.00		
Low Limit	-.01000							-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05551**	**2.5240**	**11.433**	W **282.46**	**1.0509**	W **640.31**	**.93381**	**1.8070**	F **11870.**	**.43353**
Stddev	.00017	.0047	.025	.01	.0061	.05	.00170	.0081	46.	.00167
%RSD	.30107	.18551	.21896	.00453	.58390	.00807	.18154	.44862	.39120	.38484
#1	.05539	2.5274	11.451	282.45	1.0553	640.28	.93501	1.8128	11902.	.43471
#2	.05563	2.5207	11.415	282.47	1.0466	640.35	.93261	1.8013	11837.	.43235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				100.00		500.00			10000.	
Low Limit				-.50000		-.10000			9.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.296**	**.87094**	**2237.2**	**1.4809**	**.93016**	W **70.776**	**.06737**	W **17.783**	**-.00370**	**.04557**
Stddev	.110	.00220	7.9	.0045	.00547	.904	.00291	.104	.00051	.00021
%RSD	.49326	.25293	.35457	.30019	.58841	1.2777	4.3174	.58559	13.751	.46890
#1	22.373	.87249	2242.8	1.4777	.92629	71.415	.06943	17.710	-.00405	.04542
#2	22.218	.86938	2231.6	1.4840	.93403	70.136	.06532	17.857	-.00334	.04572
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit						50.000		10.000		
Low Limit						-.10000		-.01000		

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00145**	**-.02554**	**.37916**	W **35.957**	**.00556**
Stddev	.00084	.00335	.00169	.089	.00027
%RSD	57.884	13.100	.44464	.24797	4.8269
#1	.00204	-.02790	.38035	36.020	.00537
#2	.00086	-.02317	.37797	35.894	.00575
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2701.3**	**44982.**	**4712.4**
Stddev	21.4	178.	19.3
%RSD	.79253	.39573	.40983
#1	2686.1	44856.	4698.8
#2	2716.4	45107.	4726.1

Sample Name: 280-19518-a-7-a Acquired: 8/26/2011 17:35:06 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83075 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00132**	**.82953**	**.01411**	**.14595**	**.53109**	**-.00002**	**-.00138**	**211.22**	**.00095**	**.19466**
Stddev	.00004	.01589	.00092	.00193	.00014	.00003	.00008	.20	.00022	.00010
%RSD	2.9250	1.9154	6.4966	1.3196	.02618	101.13	5.8821	.09328	23.427	.04941
#1	.00135	.84076	.01475	.14732	.53119	-.00004	-.00133	211.36	.00080	.19473
#2	.00130	.81829	.01346	.14459	.53099	-.00001	-.00144	211.08	.00111	.19459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00118**	**1.6472**	**.45033**	**6.7202**	**.03936**	**21.272**	**.73690**	**.00623**	W **1613.0**	**.68694**
Stddev	.00016	.0037	.00083	.0296	.00040	.020	.00154	.00045	1.0	.00087
%RSD	13.372	.22659	.18349	.44111	1.0185	.09473	.20909	7.1938	.06197	.12711
#1	.00107	1.6446	.44974	6.6992	.03964	21.258	.73581	.00592	1613.7	.68632
#2	.00129	1.6498	.45091	6.7411	.03908	21.286	.73799	.00655	1612.2	.68755
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03133**	**.21609**	**10.383**	**.01770**	**.00601**	**12.404**	**.00176**	**.89845**	**-.00059**	**.00220**
Stddev	.00053	.00046	.005	.00136	.00205	.046	.00014	.00057	.00128	.00011
%RSD	1.6940	.21165	.05026	7.6980	34.081	.37375	7.9683	.06350	216.36	5.0702
#1	.03096	.21641	10.379	.01866	.00746	12.437	.00166	.89885	-.00150	.00212
#2	.03171	.21576	10.386	.01673	.00456	12.372	.00186	.89805	.00031	.00228
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00424**	W **-.06176**	W **-.01916**	**1.1078**	**.00113**
Stddev	.00016	.02483	.00019	.0043	.00002
%RSD	3.8333	40.200	1.0069	.38436	2.1788
#1	-.00412	-.04421	-.01902	1.1048	.00111
#2	-.00435	-.07932	-.01930	1.1108	.00115
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass
High Limit		45.000	45.000		
Low Limit		-.05000	-.01000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3310.4**	**54578.**	**5005.6**
Stddev	17.0	102.	14.5
%RSD	.51498	.18608	.29008
#1	3298.3	54650.	4995.3
#2	3322.4	54506.	5015.9

Sample Name: 280-19518-a-8-a Acquired: 8/26/2011 17:38:28 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83075 6010

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06511**	**15.924**	**7.4981**	**7.6216**	**1.6781**	**.00084**	**.01003**	W **883.44**	W **2.0205**	**.94421**
Stddev	.00021	.032	.0045	.0076	.0031	.00006	.00004	.62	.0006	.00241
%RSD	.32885	.19957	.05993	.09984	.18582	6.9696	.42055	.06964	.03049	.25492
#1	.06526	15.946	7.5013	7.6162	1.6803	.00080	.01000	883.88	2.0210	.94591
#2	.06496	15.901	7.4950	7.6270	1.6759	.00089	.01006	883.01	2.0201	.94251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit								500.00	2.0000	
Low Limit								-.05000	-.00500	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08674**	**3.6703**	**11.568**	W **419.90**	**1.2884**	W **638.20**	**1.4487**	**1.4228**	F **12799.**	**.38866**
Stddev	.00039	.0040	.021	1.50	.0005	2.53	.0006	.0036	63.	.00092
%RSD	.45258	.10798	.18205	.35663	.03764	.39584	.03889	.25170	.48976	.23789
#1	.08702	3.6675	11.583	420.96	1.2881	636.41	1.4483	1.4254	12843.	.38932
#2	.08646	3.6731	11.553	418.84	1.2888	639.98	1.4491	1.4203	12754.	.38801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				100.00		500.00			10000.	
Low Limit				-.50000		-.10000			9.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.966**	**.62355**	**2281.8**	**1.4269**	**.97400**	W **78.596**	**.03696**	W **19.843**	**-.00301**	**.03960**
Stddev	.037	.00045	4.0	.0022	.00544	1.598	.00046	.084	.00178	.00007
%RSD	.14938	.07166	.17468	.15637	.55873	2.0333	1.2364	.42428	59.110	.17161
#1	24.992	.62323	2284.6	1.4284	.97784	79.726	.03664	19.903	-.00175	.03955
#2	24.939	.62386	2279.0	1.4253	.97015	77.466	.03728	19.784	-.00427	.03965
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit						50.000		10.000		
Low Limit						-.10000		-.01000		

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**-.02913**	**.20362**	W **36.493**	**.00420**
Stddev	.00042	.00920	.00003	.014	.00068
%RSD	146.29	31.574	.01405	.03701	16.103
#1	.00059	-.03564	.20360	36.502	.00468
#2	-.00001	-.02263	.20364	36.483	.00372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2714.4**	**44752.**	**4689.4**
Stddev	6.8	41.	46.2
%RSD	.25158	.09120	.98520
#1	2709.6	44723.	4656.7
#2	2719.2	44781.	4722.1

Sample Name: 280-19518-a-9-a Acquired: 8/26/2011 17:42:06 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83075 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**1.1314**	**.01633**	**.18095**	**.67096**	**.00009**	**.00056**	**214.04**	**.00090**	**.05471**
Stddev	.00016	.0065	.00210	.00091	.00072	.00004	.00212	.27	.00001	.00000
%RSD	19.854	.57399	12.838	.50223	.10706	40.825	381.07	.12814	.78405	.00193
#1	.00070	1.1268	.01485	.18031	.67147	.00007	.00205	214.24	.00090	.05470
#2	.00093	1.1360	.01781	.18159	.67046	.00012	-.00094	213.85	.00091	.05471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00140**	**.24719**	**3.4501**	**6.2214**	**.03191**	**16.501**	**.57659**	**.00237**	W **1595.9**	**.25357**
Stddev	.00010	.00017	.0060	.0156	.00262	.016	.00001	.00008	1.6	.00030
%RSD	7.2895	.06931	.17521	.25119	8.2104	.09391	.00241	3.5434	.10106	.11990
#1	.00133	.24707	3.4544	6.2103	.03376	16.512	.57660	.00231	1594.7	.25336
#2	.00148	.24732	3.4458	6.2324	.03006	16.490	.57658	.00243	1597.0	.25379
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05423**	**.14928**	**9.9239**	**.01156**	**.00477**	**13.733**	**.00151**	**.88507**	**.00024**	**.00212**
Stddev	.00119	.00060	.0023	.00153	.00105	.033	.00084	.00093	.00245	.00020
%RSD	2.1991	.40426	.02317	13.265	21.949	.24150	55.498	.10517	1034.6	9.5824
#1	.05507	.14971	9.9255	.01048	.00551	13.756	.00210	.88441	.00197	.00198
#2	.05339	.14885	9.9223	.01264	.00403	13.710	.00092	.88573	-.00150	.00227
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00293**	W **-.07047**	W **-.01529**	**.48051**	**.00563**
Stddev	.00007	.00787	.00008	.00091	.00081
%RSD	2.3935	11.170	.49974	.19003	14.312
#1	-.00288	-.07604	-.01524	.48116	.00620
#2	-.00298	-.06490	-.01535	.47987	.00506
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass
High Limit		45.000	45.000		
Low Limit		-.05000	-.01000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3352.8**	**55221.**	**4978.4**
Stddev	34.4	303.	10.8
%RSD	1.0272	.54915	.21769
#1	3377.2	55007.	4970.8
#2	3328.5	55435.	4986.1

Sample Name: CCVH-940568 Acquired: 8/26/2011 17:45:26 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02163**	**48.155**	**.00089**	**.01038**	**.00084**	**-.00016**	**1.0032**	**.01475**	**-.00154**	**.00219**	**-.00007**	**-.00156**	**48.387**
Stddev	.00095	.142	.00027	.00062	.00064	.00006	.0016	.00077	.00002	.00011	.00002	.00026	.063
%RSD	4.4021	.29498	29.979	5.9361	76.326	37.165	.16238	5.2360	1.5479	4.9674	23.050	16.860	.13103
#1	-.02230	48.256	.00108	.01082	.00039	-.00012	1.0020	.01420	-.00155	.00226	-.00005	-.00175	48.343
#2	-.02096	48.055	.00070	.00994	.00129	-.00020	1.0043	.01529	-.00152	.00211	-.00008	-.00137	48.432
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.74241**	**.00293**	**-.10126**	**-.00027**	**-.00219**	**261.03**	**.00157**	**.03188**	**-.00021**	**5.3535**	**-.00945**	**.00839**	**.04427**
Stddev	.05672	.00303	.00373	.00006	.00008	.84	.00012	.00207	.00167	.0067	.00046	.00175	.01510
%RSD	7.6403	103.53	3.6859	22.253	3.8020	.32065	7.5400	6.4786	811.17	.12602	4.8679	20.828	34.118
#1	.78252	.00508	-.09862	-.00023	-.00213	261.62	.00165	.03334	.00098	5.3583	-.00913	.00716	.03359
#2	.70230	.00079	-.10390	-.00031	-.00225	260.44	.00148	.03042	-.00139	5.3488	-.00978	.00963	.05495
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00196**	**.00041**	**4.8432**	**.00139**	**.00406**	**10.493**	**-.00887**	**.00227**	**.04520**
Stddev	.00067	.00007	.0139	.00073	.00175	.028	.00076	.00019	.00085
%RSD	34.366	16.951	.28786	52.829	43.140	.27057	8.5431	8.2290	1.8730
#1	.00149	.00036	4.8531	.00087	.00282	10.473	-.00833	.00213	.04580
#2	.00244	.00046	4.8334	.00190	.00530	10.514	-.00940	.00240	.04460
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3490.5**	**58717.**	**4833.3**
Stddev	4.3	49.	11.7
%RSD	.12411	.08312	.24191
#1	3487.4	58682.	4841.6
#2	3493.6	58751.	4825.1

Sample Name: CCV-940591 Acquired: 8/26/2011 17:48:02 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50692**	**.49758**	**1.0173**	**.51279**	**.50192**	**.49069**	**.00098**	**4.7475**	**.51371**	**.49292**	**.49647**	**.50839**
Stddev	.00152	.00100	.0033	.00015	.00081	.00049	.00126	.0180	.00022	.00096	.00045	.00035
%RSD	.29977	.20018	.32026	.02958	.16152	.09963	128.42	.37919	.04317	.19466	.09148	.06924
#1	.50584	.49687	1.0196	.51268	.50135	.49103	.00187	4.7348	.51387	.49359	.49679	.50814
#2	.50799	.49828	1.0150	.51290	.50250	.49034	.00009	4.7602	.51355	.49224	.49615	.50864
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4049**	**48.949**	**1.0241**	**19.913**	**.50426**	**.50916**	F **7.0295**	**.50168**	**.98568**	**1.0198**	**.29061**	**1.0072**
Stddev	.0002	.000	.0025	.005	.00002	.00130	.0394	.00039	.00620	.0001	.00490	.0040
%RSD	.01017	.00071	.24557	.02315	.00450	.25451	.56038	.07824	.62933	.01420	1.6845	.39425
#1	2.4051	48.949	1.0223	19.910	.50425	.51007	7.0574	.50195	.99007	1.0197	.29407	1.0100
#2	2.4048	48.949	1.0259	19.916	.50428	.50824	7.0016	.50140	.98129	1.0199	.28715	1.0044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0085**	**4.7874**	**1.0124**	**.50525**	**.00018**	**.48509**	**.99137**	**.01909**	**.50722**	**.49640**	**.50795**
Stddev	.0025	.0274	.0008	.00016	.00021	.00145	.00111	.01303	.00112	.00122	.00033
%RSD	.24435	.57170	.08341	.03160	116.63	.29921	.11201	68.292	.22117	.24652	.06408
#1	1.0102	4.7681	1.0118	.50514	.00003	.48406	.99058	.02830	.50643	.49726	.50772
#2	1.0067	4.8068	1.0129	.50537	.00032	.48611	.99215	.00987	.50801	.49553	.50818
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3550.3**	**60044.**	**4793.8**
Stddev	6.0	110.	14.4
%RSD	.17010	.18285	.30024
#1	3546.0	59966.	4804.0
#2	3554.5	60122.	4783.6

Sample Name: CCB Acquired: 8/26/2011 17:50:24 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00022**	W **.00676**	F **.00702**	W **.00065**	**-.00007**	**.00212**	**-.00070**	**-.00035**	**.00025**	**.00030**
Stddev	.00075	.00121	.00028	.00026	.00037	.00006	.00206	.00147	.00004	.00007	.00020
%RSD	141.74	537.26	4.1568	3.6870	57.177	92.609	97.568	211.30	11.053	28.955	66.045
#1	.00000	-.00063	.00656	.00720	.00091	-.00011	.00066	-.00174	-.00038	.00020	.00016
#2	.00107	.00108	.00696	.00683	.00039	-.00002	.00358	.00034	-.00032	.00030	.00044
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00440	.00312	.00058						
Low Limit			-.00440	-.00312	-.00058						

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00063**	**.00135**	F **.34604**	**.00081**	**.00473**	**.00004**	**.00229**	F **1.6493**	**.00036**	F **.01325**	**-.00147**
Stddev	.00007	.00027	.01260	.00060	.00242	.00001	.00070	.0122	.00024	.00224	.00094
%RSD	11.915	20.048	3.6408	74.092	51.163	35.455	30.827	.73817	65.428	16.921	64.279
#1	-.00057	.00154	.33713	.00124	.00644	.00005	.00179	1.6407	.00053	.01484	-.00080
#2	-.00068	.00116	.35494	.00039	.00302	.00003	.00278	1.6579	.00019	.01167	-.00213
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit			.25000					.10000		.01000	
Low Limit			-.25000					-.10000		-.01000	

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20417**	F **.00921**	W **.00602**	**.00377**	**-.00005**	**.00002**	**-.00078**	**-.00013**	**.00106**	**.01555**	**-.00029**
Stddev	.00587	.00361	.00489	.00575	.00016	.00010	.00009	.00019	.00046	.04285	.00029
%RSD	2.8748	39.173	81.324	152.34	337.89	518.51	11.200	150.89	43.546	275.63	99.893
#1	.20832	.00666	.00256	-.00029	-.00016	.00009	-.00071	.00001	.00138	-.01475	-.00008
#2	.20002	.01176	.00948	.00784	.00007	-.00005	-.00084	-.00027	.00073	.04584	-.00049
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00097**	W **.00386**
Stddev	.00033	.00179
%RSD	34.535	46.340
#1	.00120	.00513
#2	.00073	.00260
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3584.1**	**61147.**	**4817.7**
Stddev	5.6	180.	10.9
%RSD	.15504	.29485	.22687
#1	3580.1	61275.	4825.4
#2	3588.0	61020.	4809.9

Sample Name: CCVL946273 Acquired: 8/26/2011 17:52:59 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01084**	**.09850**	W **.01814**	**.10996**	**.01085**	**.00098**	W **.12166**	**.19155**	**.00512**	**.01018**	**.01027**
Stddev	.00073	.00009	.00173	.00008	.00037	.00003	.00331	.00082	.00010	.00005	.00020
%RSD	6.6925	.09069	9.5618	.07391	3.3736	2.6995	2.7228	.42603	1.9833	.47749	1.9354
#1	.01136	.09856	.01691	.11002	.01059	.00096	.11932	.19097	.00505	.01015	.01041
#2	.01033	.09844	.01937	.10990	.01111	.00099	.12400	.19212	.00519	.01022	.01013
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500				.10000				
Range			20.000%				20.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01587**	**.09772**	**3.2732**	**.01032**	**.21042**	**.01037**	**.02003**	F **2.5371**	**.04146**	**2.8583**	**.00941**
Stddev	.00016	.00026	.0549	.00185	.00316	.00008	.00011	.0148	.00055	.0063	.00092
%RSD	1.0352	.26665	1.6767	17.913	1.5040	.80030	.55374	.58239	1.3160	.21871	9.7402
#1	.01575	.09754	3.2344	.01162	.20818	.01043	.02011	2.5475	.04185	2.8627	.00876
#2	.01598	.09791	3.3120	.00901	.21265	.01031	.01995	2.5266	.04108	2.8538	.01006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value								1.0000			
Range								30.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24441**	F **.01349**	**.01573**	**.46059**	**.10256**	**.01022**	**.01376**	**.00942**	**.01623**	W **.07415**	**.01006**
Stddev	.00063	.00196	.00334	.01173	.00021	.00003	.00155	.00009	.00137	.00952	.00017
%RSD	.25955	14.527	21.241	2.5472	.19997	.25381	11.267	.99982	8.4706	12.840	1.7288
#1	.24486	.01487	.01337	.45229	.10242	.01023	.01486	.00936	.01720	.08088	.01019
#2	.24396	.01210	.01809	.46889	.10271	.01020	.01266	.00949	.01526	.06741	.00994
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value		.01000								.06000	
Range		30.000%								20.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02174**	**.01747**
Stddev	.00018	.00298
%RSD	.80683	17.038
#1	.02186	.01958
#2	.02161	.01537
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3590.4**	**61357.**	**4854.1**
Stddev	10.2	129.	9.9
%RSD	.28504	.20974	.20306
#1	3583.2	61266.	4847.1
#2	3597.6	61448.	4861.0

Sample Name: 280-19518-a-10-a Acquired: 8/26/2011 17:55:37 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83075 6010

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00932**	**17.846**	**5.4209**	**7.4027**	**1.5468**	**.00079**	**.00562**	W **899.82**	**1.9520**	**.51727**
Stddev	.00003	.001	.0051	.0017	.0020	.00003	.00046	13.22	.0028	.00075
%RSD	.26872	.00802	.09448	.02349	.13145	4.0640	8.2252	1.4696	.14161	.14589
#1	.00930	17.847	5.4173	7.4039	1.5482	.00077	.00529	890.47	1.9540	.51780
#2	.00934	17.845	5.4246	7.4015	1.5453	.00081	.00595	909.17	1.9500	.51673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07786**	**.02755**	**17.648**	W **280.60**	**1.1637**	W **665.29**	**1.2862**	**.98092**	F **12686.**	**.41941**
Stddev	.00069	.00007	.022	.33	.0006	2.28	.0026	.00195	340.	.00037
%RSD	.88526	.24013	.12409	.11936	.05130	.34271	.19831	.19916	2.6794	.08879
#1	.07835	.02759	17.664	280.37	1.1641	663.67	1.2844	.98230	12446.	.41967
#2	.07737	.02750	17.633	280.84	1.1632	666.90	1.2881	.97954	12926.	.41914
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				100.00		500.00			10000.	
Low Limit				-.50000		-.10000			9.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**33.494**	**.53934**	**2062.1**	**.83186**	**.01571**	W **76.421**	**.05092**	F **21.445**	**-.00303**	**.06062**
Stddev	.003	.00340	.5	.00061	.00204	.763	.00020	.082	.00188	.00019
%RSD	.01030	.62979	.02573	.07381	12.991	.99838	.38588	.38438	61.892	.31861
#1	33.497	.53694	2062.5	.83143	.01427	76.960	.05106	21.386	-.00436	.06076
#2	33.492	.54175	2061.7	.83229	.01716	75.881	.05078	21.503	-.00171	.06048
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						50.000		20.000		
Low Limit						-.10000		-.02000		

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00345**	W **-.07209**	**.09934**	F **71.090**	**.00679**
Stddev	.00167	.01389	.00081	.173	.00205
%RSD	48.255	19.267	.81566	.24347	30.178
#1	-.00463	-.08191	.09876	70.967	.00534
#2	-.00227	-.06227	.09991	71.212	.00824
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass
High Limit		45.000		50.000	
Low Limit		-.05000		-.02000	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2707.9**	**44645.**	**4704.1**
Stddev	4.1	121.	34.1
%RSD	.15314	.27187	.72587
#1	2710.8	44731.	4728.3
#2	2705.0	44559.	4680.0

Sample Name: 280-19518-a-11-a Acquired: 8/26/2011 17:59:15 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83075 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.59433**	**.01324**	**.14911**	**.37768**	**-.00002**	**-.00383**	**190.85**	**.00268**	**.10372**
Stddev	.00008	.00543	.00431	.00091	.00088	.00006	.00243	.35	.00014	.00020
%RSD	11.383	.91384	32.529	.60745	.23294	319.18	63.546	.18111	5.3581	.19765
#1	.00067	.59817	.01629	.14975	.37831	-.00006	-.00211	191.09	.00258	.10386
#2	.00079	.59049	.01020	.14847	.37706	.00002	-.00555	190.61	.00278	.10357
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**.02416**	**20.429**	**5.4429**	**.02263**	**14.811**	**.65319**	**.00615**	W **1598.1**	**.32966**
Stddev	.00007	.00021	.056	.0045	.00423	.003	.00012	.00008	3.9	.00031
%RSD	7.0575	.85303	.27432	.08281	18.678	.01922	.01911	1.2931	.24713	.09389
#1	.00090	.02430	20.469	5.4461	.02562	14.809	.65328	.00609	1600.9	.32944
#2	.00099	.02401	20.390	5.4397	.01964	14.813	.65310	.00621	1595.4	.32988
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07573**	**.02590**	**7.9193**	**.00900**	**.00698**	**10.868**	**.00174**	**.57479**	**.00025**	**.00447**
Stddev	.00996	.00119	.0014	.00105	.00152	.000	.00022	.00183	.00215	.00059
%RSD	13.148	4.5847	.01718	11.615	21.736	.00217	12.591	.31842	849.24	13.143
#1	.08277	.02506	7.9184	.00974	.00591	10.868	.00189	.57608	-.00127	.00489
#2	.06869	.02674	7.9203	.00826	.00806	10.868	.00158	.57349	.00178	.00406
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00239**	**-.03322**	W **-.01771**	W **24.158**	**.00205**
Stddev	.00113	.00733	.00095	.011	.00339
%RSD	47.225	22.062	5.3776	.04505	165.03
#1	-.00160	-.02803	-.01703	24.166	.00445
#2	-.00319	-.03840	-.01838	24.150	-.00034
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit			45.000	10.000	
Low Limit			-.01000	-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3351.3**	**54982.**	**4958.0**
Stddev	5.7	18.	10.9
%RSD	.17106	.03342	.21899
#1	3347.2	54995.	4965.7
#2	3355.3	54969.	4950.3

Sample Name: 280-19518-a-12-a Acquired: 8/26/2011 18:02:37 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83075 6010

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04842**	**14.932**	**9.4361**	**11.114**	**.98552**	**.00206**	**.00288**	W **733.01**	F **32.388**	**.18265**
Stddev	.00035	.044	.0576	.054	.00241	.00004	.00148	7.35	.021	.00067
%RSD	.71990	.29357	.61056	.48878	.24424	1.8400	51.311	1.0030	.06398	.36498
#1	.04817	14.963	9.4769	11.152	.98723	.00209	.00184	738.21	32.402	.18312
#2	.04866	14.901	9.3954	11.075	.98382	.00204	.00393	727.81	32.373	.18218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass
High Limit								500.00	25.000	
Low Limit								-.05000	-.01000	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03932**	**.36704**	**19.056**	W **230.28**	**.95282**	W **523.82**	**1.5545**	**.90008**	F **11469.**	**.49749**
Stddev	.00073	.00061	.026	.34	.00047	.57	.0010	.00690	172.	.00292
%RSD	1.8600	.16523	.13491	.14958	.04938	.10858	.06717	.76663	1.5025	.58733
#1	.03984	.36746	19.074	230.52	.95248	524.22	1.5552	.90496	11591.	.49955
#2	.03880	.36661	19.037	230.04	.95315	523.42	1.5537	.89520	11347.	.49542
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				100.00		500.00			10000.	
Low Limit				-.50000		-.10000			9.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.622**	**.56611**	**2002.7**	**1.2602**	**.78283**	W **83.781**	**.03716**	W **17.764**	F **-.09525**	**.04374**
Stddev	.117	.00203	7.2	.0086	.00389	1.136	.00120	.288	.00130	.00023
%RSD	.45509	.35834	.35923	.68669	.49651	1.3558	3.2309	1.6223	1.3657	.52341
#1	25.705	.56755	2007.8	1.2663	.78558	84.584	.03801	17.968	-.09617	.04358
#2	25.540	.56468	1997.6	1.2541	.78009	82.977	.03631	17.560	-.09433	.04391
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Fail	Chk Pass
High Limit						50.000		10.000	50.000	
Low Limit						-.10000		-.01000	-.02000	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00358**	**-.04287**	**.46428**	F **134.78**	**.01510**
Stddev	.00169	.01939	.00116	.13	.00043
%RSD	47.161	45.221	.24959	.10016	2.8766
#1	.00477	-.02916	.46510	134.68	.01541
#2	.00238	-.05658	.46346	134.87	.01479
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				50.000	
Low Limit				-.02000	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2755.3**	**45168.**	**4600.0**
Stddev	3.8	19.	35.4
%RSD	.13826	.04148	.76893
#1	2758.0	45181.	4575.0
#2	2752.6	45154.	4625.0

Sample Name: 280-19518-a-13-a Acquired: 8/26/2011 18:06:22 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83075 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00032	.39941	.01120	.13428	.24223	.00014	-.00450	97.158	.01629	.13866
Stddev	.00057	.00808	.00498	.00010	.00052	.00011	.00116	.634	.00012	.00003
%RSD	181.12	2.0228	44.465	.07216	.21630	80.860	25.866	.65244	.75312	.01994
#1	.00009	.40512	.00768	.13421	.24260	.00021	-.00368	97.606	.01620	.13864
#2	-.00072	.39369	.01472	.13435	.24186	.00006	-.00533	96.710	.01637	.13868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00110	.05295	51.652	5.3827	.02422	9.1507	.29987	.00533	W 1797.2	.21984
Stddev	.00014	.00033	.414	.3252	.00448	.0059	.00015	.00047	96.2	.00011
%RSD	12.379	.62818	.80084	6.0415	18.478	.06405	.04884	8.7324	5.3513	.05024
#1	.00101	.05318	51.359	5.6126	.02738	9.1466	.29998	.00500	1865.2	.21992
#2	.00120	.05271	51.944	5.1527	.02105	9.1549	.29977	.00566	1729.2	.21977
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06035	.00556	4.9406	.00516	.00522	6.0396	.00196	.42692	-.00017	.00133
Stddev	.00441	.00163	.0077	.00008	.00359	.0279	.00086	.00031	.00320	.00026
%RSD	7.3120	29.356	.15555	1.6423	68.744	.46158	43.695	.07168	1870.6	19.255
#1	.06347	.00671	4.9461	.00522	.00776	6.0199	.00135	.42713	.00209	.00115
#2	.05723	.00440	4.9352	.00510	.00268	6.0593	.00257	.42670	-.00243	.00151
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00199	.01044	-.00809	.27991	-.00184
Stddev	.00024	.01753	.00044	.00064	.00559
%RSD	11.870	167.86	5.4786	.22945	303.04
#1	-.00183	-.00195	-.00840	.28037	-.00580
#2	-.00216	.02284	-.00778	.27946	.00211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3377.0	54894.	4615.9
Stddev	9.0	194.	118.9
%RSD	.26717	.35362	2.5761
#1	3383.4	54757.	4531.8
#2	3370.6	55032.	4700.0

Sample Name: 280-19518-a-14-a Acquired: 8/26/2011 18:09:43 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83075 6010

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05090**	**6.8043**	**4.7834**	**14.661**	**.65081**	**.00175**	**.00290**	W **778.39**	F **33.914**	**.20802**
Stddev	.00029	.0084	.0115	.006	.00006	.00015	.00065	13.60	.043	.00059
%RSD	.56511	.12351	.23930	.04314	.00906	8.5831	22.344	1.7466	.12723	.28396
#1	.05070	6.8102	4.7915	14.657	.65077	.00164	.00244	788.00	33.944	.20844
#2	.05110	6.7983	4.7753	14.665	.65086	.00185	.00335	768.78	33.883	.20760
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass
High Limit								500.00	25.000	
Low Limit								-.05000	-.01000	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03279**	**.29209**	**24.446**	W **279.10**	**1.1204**	W **596.14**	**2.1640**	**.80302**	F **12844.**	**.56623**
Stddev	.00017	.00167	.069	.37	.0019	1.98	.0041	.00146	47.	.00065
%RSD	.52920	.57095	.28306	.13296	.16967	.33265	.19006	.18127	.36470	.11454
#1	.03291	.29327	24.495	279.36	1.1218	597.54	2.1669	.80405	12877.	.56668
#2	.03266	.29091	24.397	278.84	1.1191	594.74	2.1611	.80199	12811.	.56577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				100.00		500.00			10000.	
Low Limit				-.50000		-.10000			9.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**35.794**	**.37456**	**2241.5**	**1.4345**	**.53917**	W **77.794**	**.02766**	W **19.864**	F **-.13144**	**.02252**
Stddev	.020	.00302	1.7	.0059	.01409	1.660	.00017	.051	.00171	.00040
%RSD	.05571	.80721	.07401	.41069	2.6132	2.1333	.59967	.25448	1.3038	1.7931
#1	35.808	.37242	2242.7	1.4386	.54913	78.967	.02778	19.900	-.13022	.02281
#2	35.780	.37670	2240.4	1.4303	.52920	76.620	.02754	19.828	-.13265	.02224
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Fail	Chk Pass
High Limit						50.000		10.000	50.000	
Low Limit						-.10000		-.01000	-.02000	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00139**	**-.00574**	**.23455**	F **115.36**	**.01474**
Stddev	.00127	.02601	.00010	.07	.00045
%RSD	91.443	453.17	.04323	.06084	3.0339
#1	.00049	-.02413	.23448	115.31	.01443
#2	.00229	.01265	.23462	115.41	.01506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				50.000	
Low Limit				-.02000	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2712.2**	**44179.**	**4574.1**
Stddev	1.1	57.	42.5
%RSD	.03924	.12825	.92815
#1	2711.5	44219.	4544.1
#2	2713.0	44139.	4604.1

Sample Name: 280-19518-a-15-a Acquired: 8/26/2011 18:13:22 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83075 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**1.5037**	**.01271**	**.37939**	**.31848**	**-.00005**	**.00018**	**248.02**	**.11451**	**.08492**
Stddev	.00002	.0256	.00071	.00039	.00072	.00001	.00028	1.71	.00026	.00033
%RSD	7.1275	1.7005	5.5954	.10201	.22692	11.667	158.83	.69066	.22618	.38828
#1	-.00020	1.5218	.01321	.37912	.31797	-.00004	.00038	246.81	.11470	.08515
#2	-.00022	1.4856	.01221	.37967	.31899	-.00005	-.00002	249.24	.11433	.08469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00125**	**.73224**	**1.6555**	**6.1511**	**.02137**	**12.454**	**.42133**	**.00206**	W **1620.5**	**.32504**
Stddev	.00011	.00125	.0057	.0883	.00597	.023	.00051	.00022	5.0	.00061
%RSD	8.9423	.17122	.34232	1.4355	27.941	.18768	.12182	10.460	.31021	.18631
#1	.00117	.73136	1.6515	6.0886	.02559	12.438	.42097	.00190	1617.0	.32462
#2	.00133	.73313	1.6595	6.2135	.01715	12.471	.42170	.00221	1624.1	.32547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08234**	W **25.534**	**7.6010**	**.13501**	**.00288**	**21.495**	**.00134**	**.72198**	**-.00005**	**.00574**
Stddev	.00322	.033	.0055	.00051	.00170	.121	.00097	.00201	.00026	.00070
%RSD	3.9157	.12848	.07219	.37705	58.951	.56183	72.072	.27843	545.42	12.259
#1	.08462	25.511	7.6049	.13537	.00168	21.410	.00203	.72056	.00014	.00524
#2	.08006	25.557	7.5971	.13465	.00407	21.581	.00066	.72340	-.00024	.00623
Check ?	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000								
Low Limit		-.00300								

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00176**	W **-.07527**	W **-.01133**	**.33839**	**.00323**
Stddev	.00051	.00523	.00023	.00014	.00172
%RSD	28.855	6.9501	2.0627	.04101	53.051
#1	-.00140	-.07897	-.01149	.33830	.00445
#2	-.00212	-.07157	-.01116	.33849	.00202
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass
High Limit		45.000	45.000		
Low Limit		-.05000	-.01000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3370.1**	**54901.**	**4878.4**
Stddev	.6	19.	14.2
%RSD	.01716	.03514	.29043
#1	3369.7	54888.	4868.3
#2	3370.5	54915.	4888.4

Sample Name: 280-19518-a-16-a Acquired: 8/26/2011 18:16:47 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83075 6010

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09290**	**8.8654**	**4.1783**	**19.001**	**.51440**	**.00198**	**.00143**	W **864.27**	W **12.766**	**.79403**
Stddev	.00084	.0110	.0198	.036	.00025	.00002	.00100	3.99	.048	.00292
%RSD	.90177	.12366	.47308	.19157	.04832	1.0539	69.756	.46127	.37482	.36819
#1	.09350	8.8732	4.1923	19.026	.51422	.00197	.00072	867.09	12.800	.79610
#2	.09231	8.8577	4.1643	18.975	.51457	.00200	.00214	861.45	12.732	.79196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit								500.00	2.0000	
Low Limit								-.05000	-.00500	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10440**	**.45372**	**21.376**	W **298.44**	**1.6456**	W **665.75**	**2.0307**	**.26730**	F **13131.**	**.48914**
Stddev	.00086	.00028	.028	.69	.0029	1.18	.0017	.00139	79.	.00306
%RSD	.82633	.06240	.13251	.23135	.17957	.17678	.08422	.52019	.60538	.62576
#1	.10501	.45392	21.356	297.95	1.6435	664.92	2.0295	.26828	13188.	.49130
#2	.10379	.45352	21.396	298.93	1.6477	666.58	2.0319	.26632	13075.	.48697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				100.00		500.00			10000.	
Low Limit				-.50000		-.10000			9.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **53.910**	**1.3148**	**2358.4**	**1.1289**	**.42788**	W **80.030**	**.03142**	F **21.536**	W **-.01428**	**.02820**
Stddev	.246	.0086	7.3	.0034	.00473	.807	.00046	.087	.00279	.00011
%RSD	.45559	.65710	.30917	.30117	1.1055	1.0084	1.4574	.40597	19.570	.38703
#1	54.084	1.3209	2363.6	1.1313	.43123	80.601	.03174	21.598	-.01626	.02828
#2	53.736	1.3087	2353.3	1.1265	.42454	79.460	.03110	21.474	-.01230	.02812
Check ?	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Warn	Chk Pass
High Limit	50.000					50.000		20.000	45.000	
Low Limit	-2.0000					-.10000		-.02000	-.01000	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00174**	**-.01506**	**.19899**	F **99.048**	**.00640**
Stddev	.00168	.02153	.00228	.093	.00125
%RSD	96.593	142.98	1.1443	.09401	19.584
#1	-.00293	.00017	.20060	99.114	.00551
#2	-.00055	-.03029	.19738	98.982	.00728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				50.000	
Low Limit				-.02000	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2708.2**	**44539.**	**4553.4**
Stddev	10.3	70.	37.9
%RSD	.38108	.15684	.83171
#1	2700.9	44490.	4526.6
#2	2715.5	44589.	4580.2

Sample Name: CCVH-940568 Acquired: 8/26/2011 18:20:25 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02088**	**47.911**	**.00194**	**.03002**	**.00070**	**-.00017**	**1.0094**	**.01152**	**-.00149**	**.00217**	**-.00006**	**-.00085**	**47.126**
Stddev	.00118	.208	.00073	.00131	.00008	.00004	.0029	.00199	.00001	.00003	.00000	.00014	.029
%RSD	5.6742	.43491	37.670	4.3606	12.139	20.429	.28634	17.317	.87524	1.5271	3.2428	16.926	.06238
#1	-.02005	48.058	.00246	.03095	.00076	-.00020	1.0074	.01011	-.00150	.00219	-.00006	-.00095	47.106
#2	-.02172	47.764	.00142	.02910	.00064	-.00015	1.0115	.01293	-.00148	.00215	-.00006	-.00075	47.147
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0697**	**.00423**	**-.10255**	**-.00025**	**-.00228**	**267.68**	**.00116**	**.06590**	**-.00091**	**5.3915**	**-.00918**	**.00968**	**.11117**
Stddev	.0160	.00184	.00269	.00002	.00044	.06	.00013	.00401	.00304	.0020	.00061	.00360	.01438
%RSD	1.4975	43.548	2.6210	8.3777	19.164	.02373	10.899	6.0897	334.59	.03709	6.6712	37.208	12.936
#1	1.0584	.00553	-.10445	-.00024	-.00197	267.64	.00107	.06874	.00124	5.3901	-.00875	.01222	.10100
#2	1.0811	.00293	-.10065	-.00027	-.00259	267.73	.00125	.06306	-.00306	5.3929	-.00961	.00713	.12134
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00205**	**.00058**	**4.9033**	**.00098**	**.00304**	**10.519**	**-.00869**	**.00334**	**.04837**
Stddev	.00004	.00006	.0018	.00017	.00008	.053	.00070	.00009	.00293
%RSD	1.7401	10.488	.03593	17.648	2.6606	.49986	8.0515	2.7283	6.0628
#1	.00208	.00062	4.9021	.00086	.00298	10.482	-.00820	.00328	.05044
#2	.00203	.00054	4.9046	.00110	.00310	10.556	-.00918	.00341	.04630
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3516.8**	**58976.**	**4765.1**
Stddev	4.1	33.	14.0
%RSD	.11718	.05655	.29476
#1	3513.9	58953.	4755.2
#2	3519.7	59000.	4775.1

Sample Name: CCV-940591 Acquired: 8/26/2011 18:22:55 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50976**	**.48601**	**1.0129**	**.52695**	**.50669**	**.47941**	**.00411**	**4.6824**	**.51274**	**.49455**	**.49704**	**.51055**
Stddev	.00127	.00066	.0034	.00120	.00054	.00150	.00025	.0101	.00001	.00013	.00002	.00048
%RSD	.24925	.13479	.33771	.22826	.10746	.31328	5.9870	.21495	.00117	.02691	.00390	.09316
#1	.51066	.48554	1.0105	.52780	.50631	.47834	.00428	4.6753	.51274	.49446	.49703	.51089
#2	.50886	.48647	1.0153	.52610	.50708	.48047	.00394	4.6895	.51274	.49464	.49706	.51021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3143**	**49.929**	**1.0387**	**19.847**	**.50277**	**.50784**	F **8.5813**	**.50210**	**1.0006**	**1.0177**	**.36470**	**1.0136**
Stddev	.0033	.199	.0012	.034	.00084	.00178	.0182	.00016	.0064	.0013	.00270	.0003
%RSD	.14250	.39925	.11723	.17211	.16672	.35094	.21272	.03240	.64033	.12439	.74110	.02439
#1	2.3120	49.789	1.0379	19.871	.50336	.50910	8.5684	.50198	1.0051	1.0168	.36661	1.0138
#2	2.3166	50.070	1.0396	19.823	.50217	.50658	8.5942	.50221	.99602	1.0186	.36279	1.0135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0059**	**4.6955**	**1.0094**	**.50585**	**.00065**	**.48706**	**.99445**	**.02312**	**.50668**	**.49371**	**.49946**
Stddev	.0041	.0202	.0003	.00147	.00002	.00082	.00249	.02622	.00066	.00013	.00176
%RSD	.40342	.42945	.02801	.29028	3.5093	.16916	.25084	113.42	.13046	.02709	.35192
#1	1.0031	4.6813	1.0096	.50481	.00066	.48648	.99269	.04167	.50714	.49361	.50070
#2	1.0088	4.7098	1.0092	.50689	.00063	.48764	.99621	.00458	.50621	.49380	.49822
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3585.7**	**60823.**	**4775.9**
Stddev	2.2	167.	21.0
%RSD	.06163	.27509	.44030
#1	3587.2	60705.	4790.8
#2	3584.1	60941.	4761.0

Sample Name: CCB Acquired: 8/26/2011 18:25:15 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00143**	**-.00042**	W **.00655**	F **.01900**	W **.00069**	**-.00007**	**-.00206**	**.00021**	**-.00044**	**.00015**	**.00002**
Stddev	.00000	.00071	.00193	.00110	.00037	.00006	.00136	.00166	.00021	.00017	.00004
%RSD	.30106	166.49	29.459	5.8062	53.116	86.156	66.242	798.70	48.132	116.50	207.88
#1	.00144	.00008	.00519	.01978	.00095	-.00003	-.00302	-.00096	-.00059	.00003	.00004
#2	.00143	-.00092	.00792	.01822	.00043	-.00011	-.00109	.00138	-.00029	.00027	-.00001
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Fail	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093		.00440	.00312	.00058						
Low Limit	-.00093		-.00440	-.00312	-.00058						

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00072**	F **.51997**	**.00013**	**.00192**	**.00002**	**.00253**	F **3.0376**	**.00055**	F **.02480**	**-.00072**
Stddev	.00041	.00182	.07713	.00091	.00014	.00002	.00059	.0195	.00003	.00003	.00138
%RSD	559.09	253.65	14.833	698.90	7.5099	86.451	23.285	.64133	4.8123	.12146	192.65
#1	-.00022	-.00201	.57451	.00077	.00203	.00003	.00211	3.0239	.00056	.02483	-.00169
#2	.00036	.00057	.46543	-.00051	.00182	.00001	.00295	3.0514	.00053	.02478	.00026
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit			.25000					.10000		.01000	
Low Limit			-.25000					-.10000		-.01000	

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25699**	F **.01153**	**.00397**	**.04928**	**.00050**	**.00007**	**-.00172**	**.00009**	**.00227**	**.01763**	**-.00085**
Stddev	.00083	.00108	.00054	.01997	.00105	.00003	.00043	.00017	.00178	.00478	.00039
%RSD	.32416	9.3237	13.631	40.525	211.72	37.990	24.933	196.41	78.702	27.135	45.353
#1	.25758	.01077	.00436	.03516	-.00025	.00005	-.00142	-.00003	.00353	.02101	-.00058
#2	.25640	.01229	.00359	.06341	.00124	.00009	-.00202	.00020	.00101	.01425	-.00113
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00105**	**.00126**
Stddev	.00012	.00137
%RSD	11.544	108.99
#1	.00096	.00029
#2	.00113	.00223
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3631.7**	**62281.**	**4771.9**
Stddev	4.5	118.	2.8
%RSD	.12483	.18957	.05920
#1	3634.9	62364.	4769.9
#2	3628.5	62197.	4773.9

Sample Name: CCVL946273 Acquired: 8/26/2011 18:27:50 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01046**	**.10039**	W **.01816**	W **.12106**	**.01088**	**.00084**	W **.12362**	**.19645**	**.00512**	**.01028**	**.01022**
Stddev	.00034	.00048	.00007	.00097	.00020	.00007	.00074	.00207	.00044	.00005	.00005
%RSD	3.2903	.47512	.36674	.80326	1.8365	8.5427	.59925	1.0536	8.6840	.47635	.51758
#1	.01070	.10073	.01812	.12175	.01074	.00079	.12309	.19791	.00543	.01024	.01018
#2	.01022	.10006	.01821	.12038	.01102	.00090	.12414	.19498	.00480	.01031	.01026
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500	.10000			.10000				
Range			20.000%	20.000%			20.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01600**	**.09708**	**3.4714**	F **.01486**	**.21020**	**.01060**	**.02014**	F **3.4551**	**.04185**	**2.8848**	W **.00683**
Stddev	.00021	.00093	.0576	.00454	.00002	.00009	.00013	.0303	.00009	.0002	.00072
%RSD	1.3199	.95889	1.6590	30.582	.00749	.81868	.63064	.87757	.21029	.00819	10.527
#1	.01585	.09642	3.4307	.01807	.21018	.01054	.02005	3.4765	.04179	2.8847	.00734
#2	.01615	.09774	3.5122	.01165	.21021	.01066	.02023	3.4336	.04191	2.8850	.00632
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn
Value				.01000				1.0000			.00900
Range				30.000%				30.000%			-20.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34747**	F **.01498**	**.01325**	**.47596**	**.10327**	**.01029**	**.01376**	**.00961**	**.01597**	F **.08626**	**.00987**
Stddev	.00330	.00160	.00065	.02186	.00007	.00017	.00120	.00004	.00240	.00110	.00006
%RSD	.95045	10.707	4.8994	4.5919	.06310	1.6557	8.7059	.44809	15.040	1.2764	.57893
#1	.34980	.01611	.01279	.46051	.10331	.01017	.01291	.00958	.01427	.08548	.00983
#2	.34513	.01385	.01371	.49142	.10322	.01041	.01461	.00964	.01767	.08704	.00992
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value		.01000								.06000	
Range		30.000%								30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02374**	**.01791**
Stddev	.00037	.00249
%RSD	1.5739	13.895
#1	.02348	.01967
#2	.02400	.01615
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3625.1**	**61605.**	**4795.8**
Stddev	3.4	12.	8.2
%RSD	.09492	.01929	.16994
#1	3622.6	61597.	4801.5
#2	3627.5	61613.	4790.0

Sample Name: mb 280-83050/1-a Acquired: 8/26/2011 18:30:23 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83050 SOIL 6010C DOD4.1

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.01372**	W **.00535**	F **.02560**	**.00060**	**-.00003**	**-.00365**	**.06231**	**-.00035**	**-.00010**
Stddev	.00029	.00113	.00377	.00011	.00049	.00010	.00197	.00043	.00003	.00000
%RSD	179.46	8.2148	70.454	.44660	82.490	319.15	54.009	.68538	8.2872	4.4992
#1	-.00037	.01451	.00801	.02569	.00025	.00004	-.00226	.06201	-.00033	-.00010
#2	.00004	.01292	.00268	.02552	.00095	-.00010	-.00505	.06261	-.00038	-.00010
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00500	.01000						
Low Limit			-.00500	-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00205**	W **.03395**	**.47929**	**.00095**	**.01872**	**.00134**	**-.00035**	F **2.3548**	**.00087**
Stddev	.00005	.00005	.00047	.02656	.00103	.00153	.00003	.00040	.0379	.00042
%RSD	12.142	2.5293	1.3766	5.5418	109.08	8.1989	2.0964	114.01	1.6099	48.589
#1	.00048	.00201	.03362	.46050	.00022	.01980	.00136	-.00007	2.3816	.00057
#2	.00040	.00208	.03428	.49807	.00168	.01763	.00132	-.00064	2.3280	.00117
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			.03000						1.0000	
Low Limit			-.05000						-1.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.02060**	**-.00116**	**.30697**	**-.00049**	**-.00147**	W **.08419**	**.00868**	**.00009**	**-.00205**	**.00078**
Stddev	.00216	.00053	.00274	.00187	.00132	.00512	.00015	.00013	.00131	.00024
%RSD	10.506	45.436	.89347	378.09	89.568	6.0806	1.7610	141.67	63.684	31.046
#1	.01907	-.00153	.30891	-.00181	-.00054	.08057	.00879	.00018	-.00298	.00061
#2	.02213	-.00079	.30503	.00083	-.00240	.08781	.00857	.00000	-.00113	.00096
Check ?	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000					.05000				
Low Limit	-.01000					-.05000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00149**	**.01413**	**-.00097**	W **.00601**	W **.00511**
Stddev	.00006	.01271	.00018	.00053	.00229
%RSD	3.7983	89.946	18.677	8.8528	44.836
#1	.00153	.00514	-.00084	.00563	.00349
#2	.00145	.02312	-.00110	.00639	.00673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn
High Limit				.00500	.00500
Low Limit				-.00500	-.00500

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3709.5**	**63353.**	**4924.7**
Stddev	2.0	228.	3.8
%RSD	.05317	.36066	.07652
#1	3710.9	63515.	4922.0
#2	3708.1	63192.	4927.4

Sample Name: lcs 280-83050/2-a Acquired: 8/26/2011 18:32:57 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83050 SOIL 6010C DOD4.1

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04628**	**1.7784**	**.98733**	**1.0354**	**1.9775**	**.04705**	F **2.2401**	**45.256**	**.10307**	**.46987**
Stddev	.00052	.0048	.00406	.0032	.0007	.00008	.0008	.045	.00034	.00061
%RSD	1.1150	.26968	.41115	.30397	.03597	.17130	.03422	.09842	.33198	.13009
#1	.04592	1.7818	.99020	1.0376	1.9770	.04699	2.2395	45.287	.10331	.47030
#2	.04665	1.7750	.98446	1.0332	1.9780	.04711	2.2406	45.224	.10283	.46943
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19265**	**.24719**	**.92536**	**49.383**	**1.0143**	**47.259**	**.48667**	**.99540**	**52.972**	**.47671**
Stddev	.00069	.00026	.00320	.006	.0026	.034	.00019	.00272	.132	.00082
%RSD	.35783	.10332	.34602	.01302	.25954	.07277	.04004	.27319	.24840	.17282
#1	.19314	.24701	.92310	49.387	1.0162	47.283	.48681	.99732	52.879	.47729
#2	.19216	.24737	.92763	49.378	1.0125	47.235	.48653	.99348	53.065	.47612
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.5299**	**.48665**	**.30711**	**.49550**	**1.9433**	F **2.7875**	**1.9416**	**.99205**	**.93045**	**.96076**
Stddev	.0126	.00132	.00439	.00335	.0062	.0115	.0047	.00111	.00017	.00044
%RSD	.13193	.27200	1.4291	.67550	.31829	.41155	.24347	.11222	.01799	.04596
#1	9.5388	.48759	.30401	.49787	1.9477	2.7794	1.9449	.99127	.93057	.96107
#2	9.5210	.48572	.31022	.49313	1.9389	2.7956	1.9382	.99284	.93033	.96045
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500				
Low Limit						9.4000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8850**	**2.0965**	**.49026**	**.47369**	**.50715**
Stddev	.0015	.0567	.00092	.00172	.00038
%RSD	.08074	2.7027	.18809	.36347	.07542
#1	1.8840	2.1366	.48961	.47491	.50688
#2	1.8861	2.0564	.49091	.47247	.50742
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3536.9**	**60324.**	**4805.3**
Stddev	2.8	284.	9.4
%RSD	.07914	.47059	.19480
#1	3538.9	60123.	4798.7
#2	3535.0	60525.	4812.0

Sample Name: 280-19475-a-1-a Acquired: 8/26/2011 18:35:17 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83050 SOIL 6010C DOD4.1

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00225**	**413.80**	**-.00721**	**.01463**	**.65439**	**.01018**	**.04652**	**16.920**	**.00202**	**.31119**
Stddev	.00005	.17	.00202	.00099	.00094	.00002	.00233	.006	.00008	.00002
%RSD	2.4009	.04012	27.971	6.7487	.14389	.17761	5.0039	.03593	4.0713	.00697
#1	-.00229	413.68	-.00579	.01393	.65373	.01017	.04487	16.924	.00208	.31121
#2	-.00221	413.92	-.00864	.01533	.65506	.01019	.04816	16.916	.00196	.31118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2369**	**.88072**	**460.69**	**10.454**	**.05072**	**41.076**	**8.0585**	**.00112**	**3.1021**	**.97038**
Stddev	.0005	.00031	.14	.039	.00243	.011	.0106	.00106	.0475	.00116
%RSD	.04044	.03567	.02953	.37462	4.7929	.02593	.13088	94.345	1.5320	.11981
#1	1.2372	.88094	460.60	10.482	.04900	41.068	8.0510	.00037	3.1357	.97120
#2	1.2365	.88050	460.79	10.427	.05244	41.084	8.0659	.00187	3.0685	.96956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.3870**	**.00944**	**1.5533**	**-.00527**	**.00578**	**1.9985**	**-.04631**	**.48712**	**.03606**	F **34.148**
Stddev	.0026	.00084	.0013	.00505	.00120	.0534	.00237	.00038	.00095	.016
%RSD	.05876	8.8749	.08449	95.808	20.789	2.6706	5.1204	.07812	2.6267	.04555
#1	4.3852	.00885	1.5524	-.00170	.00663	2.0363	-.04799	.48738	.03539	34.159
#2	4.3888	.01003	1.5542	-.00885	.00493	1.9608	-.04463	.48685	.03673	34.137
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit										25.000
Low Limit										-.02000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01354**	**.34127**	**1.1201**	**.69178**	**.52854**
Stddev	.00079	.00985	.0070	.00089	.00148
%RSD	5.8695	2.8873	.62616	.12860	.27976
#1	.01411	.34824	1.1251	.69241	.52749
#2	.01298	.33430	1.1152	.69115	.52958
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3948.5**	**64020.**	**5495.3**
Stddev	7.5	8.	23.7
%RSD	.18964	.01178	.43193
#1	3943.2	64025.	5512.1
#2	3953.8	64014.	5478.5

Sample Name: 280-19475-a-4-a Acquired: 8/26/2011 18:38:45 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83050 SOIL 6010C DOD4.1

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00125**	**342.92**	**-.00694**	**.02122**	**.27150**	**.00706**	**.01640**	**5.7578**	**.00186**	**.43281**
Stddev	.00029	.12	.00503	.00090	.00075	.00001	.00044	.0064	.00011	.00046
%RSD	23.099	.03616	72.537	4.2618	.27588	.09321	2.6601	.11133	5.8125	.10546
#1	-.00105	343.01	-.01050	.02058	.27203	.00705	.01671	5.7623	.00193	.43313
#2	-.00146	342.83	-.00338	.02186	.27097	.00706	.01609	5.7533	.00178	.43249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4213**	**.83349**	W **594.77**	**.98228**	**.01912**	**10.370**	W **12.514**	**-.00251**	**1.7407**	**.75404**
Stddev	.0012	.00115	.53	.00430	.00108	.017	.025	.00038	.0343	.00088
%RSD	.08316	.13779	.08939	.43744	5.6426	.16410	.19581	15.072	1.9678	.11704
#1	1.4222	.83268	595.14	.98532	.01836	10.382	12.497	-.00278	1.7649	.75342
#2	1.4205	.83430	594.39	.97925	.01988	10.358	12.532	-.00224	1.7164	.75467
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00				10.000			
Low Limit			40.000				-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.3691**	**.02206**	**2.8552**	W **-.01426**	**.00170**	**2.1972**	**-.03504**	**.08401**	**.04793**	F **26.298**
Stddev	.0046	.00126	.0135	.00040	.00012	.0111	.00004	.00016	.00212	.086
%RSD	.10523	5.7243	.47244	2.7984	7.0322	.50320	.11320	.19352	4.4180	.32798
#1	4.3659	.02117	2.8648	-.01454	.00162	2.2050	-.03501	.08412	.04943	26.237
#2	4.3724	.02296	2.8457	-.01398	.00179	2.1894	-.03507	.08389	.04643	26.359
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				2.0000						25.000
Low Limit				-.01000						-.02000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01053**	**.47693**	**1.6350**	**.53469**	**.32823**
Stddev	.00121	.03121	.0029	.00169	.00043
%RSD	11.515	6.5440	.17960	.31534	.13074
#1	.01139	.49900	1.6370	.53588	.32853
#2	.00968	.45486	1.6329	.53350	.32792
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3823.2**	**62962.**	**5303.6**
Stddev	14.7	21.	2.1
%RSD	.38554	.03374	.03930
#1	3833.6	62947.	5305.1
#2	3812.7	62977.	5302.2

Sample Name: 280-19475-b-6-a Acquired: 8/26/2011 18:42:12 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83050 SOIL 6010C DOD4.1

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00240**	**466.81**	**-.00744**	**.02687**	**1.0448**	**.01267**	**.04588**	**22.624**	**.00228**	**.40580**
Stddev	.00022	.62	.00271	.00025	.0003	.00005	.00173	.001	.00008	.00060
%RSD	8.9623	.13361	36.387	.93827	.03089	.42951	3.7633	.00653	3.3580	.14698
#1	-.00225	467.25	-.00936	.02669	1.0450	.01271	.04710	22.625	.00233	.40537
#2	-.00255	466.37	-.00553	.02705	1.0445	.01263	.04465	22.623	.00223	.40622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6717**	**.97578**	W **524.54**	**7.9995**	**.05122**	**55.625**	**9.0615**	**-.00394**	**3.1543**	**2.2383**
Stddev	.0013	.00039	.03	.0217	.00310	.082	.0121	.00001	.0166	.0020
%RSD	.07619	.03993	.00488	.27169	6.0507	.14705	.13356	.29029	.52508	.09075
#1	1.6708	.97550	524.53	7.9841	.04903	55.683	9.0701	-.00393	3.1426	2.2368
#2	1.6726	.97605	524.56	8.0148	.05341	55.567	9.0530	-.00395	3.1661	2.2397
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00							
Low Limit			40.000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.2666**	**.03135**	**2.0223**	W **-.01350**	W **-.00591**	**2.3112**	**-.04066**	**.43450**	**.04469**	F **34.530**
Stddev	.0072	.00039	.0051	.00388	.00362	.0216	.00027	.00014	.00286	.223
%RSD	.13740	1.2426	.25139	28.715	61.236	.93655	.66296	.03306	6.3970	.64488
#1	5.2615	.03162	2.0259	-.01624	-.00335	2.2959	-.04086	.43461	.04672	34.687
#2	5.2717	.03107	2.0188	-.01076	-.00847	2.3265	-.04047	.43440	.04267	34.372
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				2.0000	5.0000					25.000
Low Limit				-.01000	-.00500					-.02000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01292**	**.42629**	**1.2442**	**.78709**	**.51071**
Stddev	.00105	.02111	.0019	.00127	.00051
%RSD	8.0997	4.9523	.15032	.16125	.10024
#1	.01218	.44122	1.2455	.78799	.51034
#2	.01366	.41136	1.2428	.78620	.51107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4156.7**	**67444.**	**5850.8**
Stddev	6.7	151.	1.3
%RSD	.16064	.22402	.02159
#1	4152.0	67338.	5851.6
#2	4161.5	67551.	5849.9

Sample Name: 280-19485-b-1-a Acquired: 8/26/2011 18:45:38 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83050 SOIL 6010C DOD4.1

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**149.40**	**.13884**	**.03188**	**1.7599**	**.00606**	**.00068**	**53.532**	**.00736**	**.20256**
Stddev	.00051	.42	.00295	.00012	.0077	.00007	.00195	.184	.00012	.00000
%RSD	141.21	.27938	2.1235	.37588	.43822	1.1035	285.98	.34337	1.6645	.00077
#1	.00072	149.69	.14092	.03197	1.7653	.00611	.00206	53.662	.00727	.20256
#2	.00000	149.10	.13675	.03180	1.7544	.00601	-.00070	53.402	.00744	.20256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23170**	**2.5754**	**334.72**	**29.409**	**.13236**	**55.986**	**5.9707**	**.00259**	**3.3251**	**.24216**
Stddev	.00043	.0043	1.19	.049	.00134	.034	.0331	.00003	.0136	.00081
%RSD	.18392	.16631	.35539	.16578	1.0125	.06108	.55427	1.1045	.40889	.33651
#1	.23200	2.5784	335.56	29.443	.13331	56.010	5.9941	.00257	3.3347	.24273
#2	.23140	2.5724	333.88	29.374	.13141	55.962	5.9473	.00261	3.3155	.24158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.3804**	**.22994**	**1.5717**	W **-.01085**	**.00045**	**2.3492**	**-.00406**	**.46300**	**.04494**	W **10.798**
Stddev	.0039	.00073	.0074	.00079	.00095	.0251	.00018	.00147	.00176	.016
%RSD	.07249	.31749	.47354	7.2483	210.05	1.0693	4.5179	.31825	3.9070	.14768
#1	5.3832	.23046	1.5769	-.01141	-.00022	2.3315	-.00393	.46404	.04370	10.787
#2	5.3777	.22942	1.5664	-.01029	.00112	2.3670	-.00419	.46196	.04619	10.809
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit				2.0000						10.000
Low Limit				-.01000						-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00603**	**.21266**	**1.1972**	**.68157**	**.10983**
Stddev	.00050	.01873	.0012	.00344	.00209
%RSD	8.3172	8.8053	.10345	.50442	1.9073
#1	.00639	.22590	1.1981	.68400	.11131
#2	.00568	.19942	1.1963	.67914	.10835
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4037.8**	**66913.**	**5511.2**
Stddev	.4	72.	3.8
%RSD	.01079	.10721	.06969
#1	4037.4	66862.	5514.0
#2	4038.1	66964.	5508.5

Sample Name: 280-19485-b-2-a Acquired: 8/26/2011 18:48:17 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83050 SOIL 6010C DOD4.1

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00264**	**62.297**	**.12961**	**.02163**	**.62577**	**.00500**	**-.00834**	**35.472**	**.00808**	**.05032**
Stddev	.00009	.104	.00419	.00025	.00057	.00008	.00189	.043	.00030	.00044
%RSD	3.5749	.16736	3.2331	1.1534	.09145	1.6571	22.613	.12117	3.6766	.87043
#1	.00257	62.371	.12665	.02181	.62536	.00494	-.00967	35.442	.00787	.05001
#2	.00271	62.223	.13258	.02146	.62617	.00506	-.00700	35.503	.00829	.05063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04664**	**.26031**	**168.49**	**13.666**	**.07217**	**21.590**	**3.8661**	**.00016**	**1.1425**	**.03166**
Stddev	.00003	.00074	.02	.004	.00180	.027	.0249	.00017	.0087	.00011
%RSD	.06935	.28337	.01100	.03258	2.4901	.12705	.64413	107.32	.76340	.34287
#1	.04666	.26083	168.48	13.663	.07344	21.609	3.8485	.00004	1.1364	.03174
#2	.04661	.25979	168.50	13.669	.07090	21.571	3.8837	.00028	1.1487	.03158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.078**	**.30543**	**1.0314**	**-.00621**	**-.00063**	**2.0851**	**.00120**	**.22399**	**.06063**	**2.0595**
Stddev	.009	.00108	.0097	.00029	.00113	.0015	.00096	.00032	.00146	.0003
%RSD	.07859	.35486	.93637	4.6973	179.27	.07267	80.222	.14216	2.4149	.01503
#1	12.071	.30466	1.0382	-.00642	-.00143	2.0840	.00052	.22376	.05960	2.0592
#2	12.084	.30620	1.0246	-.00600	.00017	2.0861	.00188	.22421	.06167	2.0597
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00160**	W **-.06154**	**.71113**	**.38546**	**.03733**
Stddev	.00240	.01878	.00076	.00050	.00048
%RSD	149.72	30.509	.10658	.12944	1.2777
#1	-.00009	-.04827	.71167	.38581	.03766
#2	.00330	-.07482	.71060	.38511	.03699
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3886.5**	**64715.**	**5191.6**
Stddev	.6	14.	1.0
%RSD	.01648	.02203	.01994
#1	3886.0	64725.	5190.8
#2	3887.0	64705.	5192.3

Sample Name: 280-19485-b-3-a Acquired: 8/26/2011 18:50:49 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83050 SOIL 6010C DOD4.1

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00034	157.06	.15306	.04691	1.6437	.00707	.00859	22.247	.01193	.07620
Stddev	.00038	.06	.00275	.00058	.0008	.00020	.00008	.004	.00029	.00020
%RSD	112.26	.03645	1.7948	1.2305	.04789	2.7909	.93175	.01973	2.4167	.26587
#1	.00007	157.02	.15112	.04731	1.6431	.00693	.00853	22.244	.01173	.07606
#2	.00061	157.10	.15500	.04650	1.6442	.00721	.00864	22.250	.01213	.07634
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.14512	.26647	125.10	54.265	.17252	102.30	7.1394	.00154	1.1694	.13504
Stddev	.00009	.00039	.17	.092	.00367	.02	.0150	.00049	.0027	.00016
%RSD	.05993	.14820	.13444	.16980	2.1263	.01786	.21048	31.872	.23225	.11572
#1	.14506	.26675	124.98	54.330	.17512	102.31	7.1500	.00188	1.1713	.13515
#2	.14518	.26619	125.22	54.200	.16993	102.29	7.1287	.00119	1.1675	.13492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.3929	.39556	1.5646	-.00300	W -.00717	2.5261	.00212	.13258	.07788	3.9312
Stddev	.0013	.00063	.0075	.00117	.00236	.0123	.00036	.00038	.00308	.0080
%RSD	.03962	.15894	.48006	39.041	32.982	.48506	17.144	.28583	3.9522	.20443
#1	3.3920	.39511	1.5593	-.00383	-.00550	2.5174	.00187	.13231	.08006	3.9369
#2	3.3939	.39600	1.5699	-.00217	-.00884	2.5348	.00238	.13284	.07571	3.9255
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00182	F -.11940	F -.06404	.95546	.10113
Stddev	.00120	.02019	.00088	.00061	.00114
%RSD	66.193	16.912	1.3728	.06432	1.1240
#1	.00267	-.13368	-.06342	.95503	.10032
#2	.00097	-.10512	-.06466	.95590	.10193
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit		50.000	50.000		
Low Limit		-.10000	-.02000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3888.4	64072.	5312.6
Stddev	6.9	197.	2.6
%RSD	.17864	.30674	.04952
#1	3883.4	63933.	5314.5
#2	3893.3	64210.	5310.8

Sample Name: 280-19485-b-4-a Acquired: 8/26/2011 18:53:21 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83050 SOIL 6010C DOD4.1

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**135.97**	**.06279**	**.05821**	**2.3532**	**.00668**	**-.00203**	**120.80**	**.00662**	**.05680**
Stddev	.00044	.52	.00271	.00068	.0081	.00009	.00029	.36	.00002	.00027
%RSD	495.13	.38570	4.3105	1.1735	.34651	1.2754	14.428	.30023	.23161	.47606
#1	-.00040	136.34	.06088	.05870	2.3589	.00674	-.00182	121.06	.00661	.05661
#2	.00022	135.60	.06471	.05773	2.3474	.00662	-.00224	120.55	.00663	.05699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12056**	**.26978**	**135.12**	**25.971**	**.22727**	**119.01**	**1.4444**	**.00051**	**1.6190**	**.11607**
Stddev	.00039	.00017	.70	.131	.00020	.10	.0001	.00010	.0118	.00078
%RSD	.32011	.06476	.51669	.50470	.08828	.08186	.00551	19.047	.72886	.66951
#1	.12029	.26966	135.61	26.064	.22713	119.08	1.4444	.00044	1.6273	.11662
#2	.12084	.26990	134.62	25.879	.22741	118.95	1.4445	.00058	1.6106	.11552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.3269**	**.28375**	**4.3658**	**-.00262**	**-.00222**	**2.7797**	**.00403**	**.19218**	**.05570**	**1.5785**
Stddev	.0031	.00092	.0008	.00037	.00044	.0104	.00025	.00005	.00280	.0007
%RSD	.07203	.32366	.01757	14.108	19.805	.37508	6.1059	.02701	5.0193	.04239
#1	4.3291	.28310	4.3652	-.00236	-.00191	2.7871	.00421	.19221	.05767	1.5790
#2	4.3247	.28440	4.3663	-.00289	-.00253	2.7724	.00386	.19214	.05372	1.5781
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00119**	W **-.05709**	**.15627**	**.68768**	**.07626**
Stddev	.00069	.02104	.00056	.00089	.00202
%RSD	58.094	36.846	.35536	.12976	2.6542
#1	-.00167	-.07197	.15667	.68832	.07770
#2	-.00070	-.04222	.15588	.68705	.07483
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3915.7**	**64963.**	**5382.5**
Stddev	3.3	14.	40.9
%RSD	.08388	.02078	.75972
#1	3918.0	64972.	5353.6
#2	3913.3	64953.	5411.4

Sample Name: CCVH-940568 Acquired: 8/26/2011 18:55:45 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02069**	**47.381**	**-.00157**	**.00992**	**.00114**	**-.00018**	**1.0027**	**.01221**	**-.00187**	**.00187**	**.00020**	**-.00064**	**46.574**
Stddev	.00041	.029	.00038	.00099	.00050	.00006	.0012	.00245	.00011	.00016	.00017	.00016	.152
%RSD	1.9737	.06157	23.959	9.9999	44.163	31.993	.11546	20.038	5.7296	8.3162	85.447	24.607	.32735
#1	-.02040	47.402	-.00183	.01062	.00079	-.00022	1.0018	.01048	-.00195	.00176	.00031	-.00075	46.466
#2	-.02098	47.361	-.00130	.00922	.00150	-.00014	1.0035	.01394	-.00180	.00198	.00008	-.00053	46.681
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26306**	**.00035**	**-.10366**	**-.00023**	**-.00274**	**266.26**	**.00125**	**.00853**	**-.00132**	**5.1175**	**-.01069**	**.01157**	**.02594**
Stddev	.01657	.00373	.00140	.00000	.00025	.80	.00013	.00215	.00108	.0169	.00047	.00369	.00820
%RSD	6.2984	1072.4	1.3553	.78550	9.1570	.29916	10.622	25.234	81.371	.33079	4.4240	31.856	31.624
#1	.27478	.00299	-.10266	-.00024	-.00257	266.83	.00116	.00701	-.00056	5.1295	-.01102	.00897	.02014
#2	.25135	-.00229	-.10465	-.00023	-.00292	265.70	.00135	.01005	-.00208	5.1056	-.01035	.01418	.03174
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**.00027**	**4.8592**	**.00194**	**.00237**	**10.391**	**-.00844**	**.00189**	**.04614**
Stddev	.00046	.00010	.0085	.00090	.00092	.002	.00067	.00080	.00343
%RSD	55.929	38.305	.17448	46.557	38.757	.01799	7.9443	42.685	7.4234
#1	.00050	.00019	4.8651	.00130	.00172	10.390	-.00891	.00132	.04372
#2	.00116	.00034	4.8532	.00258	.00302	10.392	-.00797	.00245	.04856
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3541.9**	**59419.**	**4696.5**
Stddev	1.8	170.	7.4
%RSD	.05048	.28605	.15732
#1	3543.2	59539.	4691.3
#2	3540.7	59299.	4701.7

Sample Name: CCV-940591 Acquired: 8/26/2011 18:58:22 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50296**	**.49395**	**1.0034**	**.50497**	**.50469**	**.47422**	**.00062**	**4.6836**	**.50564**	**.49207**	**.49397**	**.50499**
Stddev	.00032	.00121	.0016	.00009	.00088	.00069	.00177	.0130	.00145	.00063	.00081	.00094
%RSD	.06348	.24419	.15778	.01793	.17366	.14483	284.88	.27726	.28662	.12855	.16465	.18657
#1	.50318	.49310	1.0023	.50491	.50407	.47374	-.00063	4.6744	.50461	.49162	.49340	.50566
#2	.50273	.49480	1.0045	.50504	.50531	.47471	.00187	4.6927	.50666	.49251	.49455	.50433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.2887**	**49.843**	**1.0322**	**19.842**	**.49877**	**.50091**	F **5.7645**	**.49718**	**.95929**	**1.0096**	**.14381**	**.99337**
Stddev	.0019	.048	.0045	.003	.00004	.00021	.0144	.00004	.00147	.0055	.00232	.00570
%RSD	.08247	.09605	.43719	.01333	.00823	.04289	.24976	.00825	.15330	.54775	1.6115	.57352
#1	2.2873	49.809	1.0290	19.843	.49874	.50076	5.7543	.49716	.95825	1.0057	.14545	.99740
#2	2.2900	49.876	1.0354	19.840	.49880	.50106	5.7747	.49721	.96033	1.0135	.14217	.98934
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99616**	**4.5634**	**.99897**	**.50220**	**-.00342**	**.48736**	**.98823**	**.04381**	**.50295**	**.49469**	**.49748**
Stddev	.00262	.0195	.00144	.00101	.00076	.00059	.00151	.02497	.00025	.00012	.00294
%RSD	.26314	.42817	.14407	.20199	22.386	.12105	.15276	57.003	.04987	.02369	.59006
#1	.99430	4.5496	.99795	.50149	-.00287	.48778	.98717	.02615	.50278	.49461	.49956
#2	.99801	4.5772	.99998	.50292	-.00396	.48695	.98930	.06147	.50313	.49478	.49541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3606.6**	**61115.**	**4719.0**
Stddev	1.5	13.	4.8
%RSD	.04296	.02148	.10253
#1	3607.7	61124.	4722.4
#2	3605.5	61106.	4715.6

Sample Name: CCB Acquired: 8/26/2011 19:00:43 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.00020**	W **.00599**	F **.00798**	W **.00073**	**-.00004**	**-.00084**	**-.00218**	**-.00033**	**.00020**	**.00009**
Stddev	.00008	.00037	.00040	.00036	.00022	.00001	.00239	.00199	.00012	.00004	.00004
%RSD	35.566	190.35	6.6558	4.4706	30.462	33.155	284.03	91.400	35.130	21.502	47.672
#1	.00028	-.00046	.00627	.00823	.00089	-.00003	-.00253	-.00077	-.00041	.00017	.00012
#2	.00017	.00007	.00571	.00773	.00057	-.00005	.00085	-.00359	-.00025	.00023	.00006
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00440	.00312	.00058						
Low Limit			-.00440	-.00312	-.00058						

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00263**	**.17567**	**.00253**	**.00513**	**.00003**	**.00199**	F **.45392**	**.00030**	**.00268**	**-.00007**
Stddev	.00024	.00412	.07532	.00301	.00098	.00003	.00059	.00302	.00012	.00058	.00046
%RSD	3983.3	156.90	42.876	118.96	19.183	97.686	29.586	.66621	38.794	21.804	668.18
#1	.00016	.00554	.22894	.00040	.00443	.00001	.00157	.45178	.00022	.00227	.00025
#2	-.00017	-.00029	.12241	.00467	.00583	.00005	.00241	.45606	.00038	.00310	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.10000			
Low Limit								-.10000			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11643**	F **.00816**	**.00140**	**-.00399**	**.00011**	**-.00021**	**-.00177**	**.00016**	**.00007**	**.01260**	**-.00034**
Stddev	.00013	.00122	.00399	.02575	.00005	.00001	.00079	.00023	.00036	.02862	.00095
%RSD	.11558	14.928	284.61	644.97	44.916	6.0562	44.603	146.47	487.50	227.23	274.45
#1	.11653	.00730	-.00142	-.02220	.00014	-.00020	-.00121	-.00001	-.00018	-.00764	-.00101
#2	.11633	.00902	.00423	.01422	.00007	-.00022	-.00233	.00032	.00033	.03284	.00032
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00084**	W **.00466**
Stddev	.00005	.00061
%RSD	5.6583	13.130
#1	.00081	.00509
#2	.00087	.00423
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3666.7**	**62334.**	**4706.8**
Stddev	10.9	184.	7.5
%RSD	.29811	.29439	.15854
#1	3659.0	62463.	4712.1
#2	3674.5	62204.	4701.5

Sample Name: CCVL-946273 Acquired: 8/26/2011 19:03:18 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01094**	**.09953**	W **.01879**	**.10944**	**.01103**	**.00092**	W **.12247**	**.18351**	**.00471**	**.01041**	**.01011**
Stddev	.00015	.00085	.00429	.00125	.00004	.00004	.00158	.00145	.00010	.00016	.00002
%RSD	1.3839	.85729	22.811	1.1449	.35303	3.8244	1.2931	.79054	2.0201	1.5806	.17148
#1	.01084	.10014	.02182	.11032	.01100	.00089	.12359	.18248	.00465	.01030	.01010
#2	.01105	.09893	.01576	.10855	.01106	.00094	.12135	.18454	.00478	.01053	.01012
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500				.10000				
Range			20.000%				20.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01554**	**.09114**	**3.1073**	F **.01326**	**.20749**	**.01044**	**.01948**	F **1.5254**	**.04140**	**2.8252**	**.00825**
Stddev	.00022	.00159	.0111	.00555	.00103	.00004	.00007	.0078	.00022	.0046	.00118
%RSD	1.4192	1.7453	.35832	41.873	.49863	.38320	.36990	.51274	.52605	.16306	14.287
#1	.01539	.09002	3.1152	.00933	.20676	.01047	.01943	1.5199	.04125	2.8285	.00908
#2	.01570	.09227	3.0994	.01718	.20822	.01042	.01954	1.5309	.04156	2.8219	.00741
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				.01000				1.0000			
Range				30.000%				30.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13041**	F **.01528**	**.01436**	**.46930**	**.10104**	**.01012**	**.01354**	**.01016**	**.01619**	**.06200**	**.00940**
Stddev	.00346	.00156	.00023	.01446	.00097	.00001	.00084	.00038	.00122	.02734	.00008
%RSD	2.6520	10.201	1.6287	3.0804	.96294	.07885	6.2137	3.7814	7.5031	44.093	.88963
#1	.13285	.01418	.01453	.47952	.10173	.01012	.01414	.00989	.01705	.04267	.00934
#2	.12796	.01638	.01420	.45908	.10035	.01011	.01295	.01043	.01533	.08133	.00946
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.01000									
Range		30.000%									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02160**	**.01647**
Stddev	.00050	.00397
%RSD	2.3375	24.131
#1	.02124	.01366
#2	.02195	.01928
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3665.4**	**62343.**	**4708.7**
Stddev	1.0	20.	3.4
%RSD	.02636	.03284	.07305
#1	3664.7	62357.	4711.2
#2	3666.1	62328.	4706.3

Sample Name: 280-19485-b-5-a Acquired: 8/26/2011 19:05:51 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83050 SOIL 6010C DOD4.1

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**56.792**	**.09229**	**.07131**	**1.2244**	**.00328**	**.00284**	**141.23**	**.00849**	**.03801**
Stddev	.00030	.049	.00214	.00065	.0002	.00004	.00018	.05	.00019	.00002
%RSD	37.264	.08703	2.3142	.91668	.01932	1.3408	6.4241	.03863	2.2342	.04727
#1	.00059	56.827	.09380	.07085	1.2242	.00331	.00297	141.26	.00836	.03800
#2	.00100	56.757	.09078	.07177	1.2245	.00325	.00271	141.19	.00862	.03802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05068**	**.19717**	**48.544**	**18.080**	**.06917**	**44.203**	**6.7086**	**.00073**	**1.9041**	**.04131**
Stddev	.00020	.00062	.080	.008	.00418	.050	.0234	.00001	.0025	.00017
%RSD	.38695	.31418	.16558	.04329	6.0456	.11377	.34878	1.7952	.13345	.41106
#1	.05054	.19761	48.487	18.086	.06622	44.238	6.7251	.00072	1.9059	.04143
#2	.05082	.19673	48.601	18.075	.07213	44.167	6.6920	.00074	1.9023	.04119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0835**	**.22162**	**7.9719**	**.00106**	**.00399**	**1.7351**	**.00306**	**.24665**	**.01650**	**1.3528**
Stddev	.0183	.00213	.0013	.00031	.00166	.0195	.00017	.00021	.00258	.0011
%RSD	.59373	.96290	.01630	29.337	41.568	1.1257	5.6342	.08457	15.650	.08394
#1	3.0706	.22011	7.9710	.00084	.00516	1.7489	.00293	.24650	.01833	1.3536
#2	3.0965	.22313	7.9728	.00128	.00282	1.7213	.00318	.24680	.01467	1.3520
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00271**	**-.03959**	F **-.12997**	**.38177**	**.02045**
Stddev	.00047	.00741	.00092	.00159	.00020
%RSD	17.397	18.720	.70856	.41712	.98884
#1	.00238	-.03435	-.13062	.38290	.02060
#2	.00304	-.04483	-.12932	.38065	.02031
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			50.000		
Low Limit			-.02000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3765.0**	**63139.**	**5166.5**
Stddev	9.3	171.	15.3
%RSD	.24605	.27006	.29635
#1	3771.5	63019.	5177.4
#2	3758.4	63260.	5155.7

Sample Name: 280-19485-b-6-a Acquired: 8/26/2011 19:08:24 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83050 SOIL 6010C DOD4.1

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**63.578**	**.12152**	**.01696**	**.75617**	**.00464**	W **-.01441**	**51.733**	**.00456**	**.07777**
Stddev	.00021	.091	.00178	.00012	.00208	.00017	.00136	.069	.00001	.00031
%RSD	60.328	.14314	1.4657	.71139	.27511	3.7700	9.4621	.13244	.25712	.40005
#1	-.00020	63.643	.12278	.01687	.75764	.00451	-.01345	51.781	.00457	.07799
#2	-.00050	63.514	.12026	.01705	.75470	.00476	-.01538	51.684	.00455	.07755
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							3.0000			
Low Limit							-.01000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04767**	**.74853**	**296.31**	**12.729**	**.06764**	**20.740**	**6.5590**	**-.00037**	**1.6391**	**.02888**
Stddev	.00023	.00048	.42	.001	.00154	.034	.0206	.00022	.0145	.00007
%RSD	.49013	.06427	.14231	.00900	2.2755	.16466	.31393	60.643	.88606	.24815
#1	.04750	.74819	296.61	12.730	.06655	20.716	6.5444	-.00021	1.6289	.02893
#2	.04783	.74887	296.01	12.728	.06873	20.764	6.5735	-.00053	1.6494	.02883
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.540**	**.11697**	**.64111**	W **-.01041**	**-.00040**	**1.8050**	**-.00018**	**1.1708**	**.03473**	**3.0957**
Stddev	.003	.00241	.00006	.00019	.00291	.0199	.00032	.0040	.00161	.0039
%RSD	.02038	2.0634	.00946	1.8041	732.31	1.1017	173.84	.34158	4.6469	.12454
#1	15.542	.11868	.64115	-.01055	.00166	1.8191	-.00041	1.1736	.03587	3.0930
#2	15.538	.11526	.64106	-.01028	-.00246	1.7909	.00004	1.1680	.03359	3.0984
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				2.0000						
Low Limit				-.01000						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00300**	**.09591**	**1.1628**	**.40333**	**.06173**
Stddev	.00006	.00078	.0064	.00020	.00170
%RSD	1.9079	.81219	.55303	.04869	2.7506
#1	.00296	.09646	1.1583	.40319	.06053
#2	.00304	.09536	1.1674	.40347	.06293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3816.6**	**64217.**	**5109.7**
Stddev	.0	105.	17.5
%RSD	.00059	.16322	.34314
#1	3816.6	64143.	5097.3
#2	3816.7	64291.	5122.1

Sample Name: 280-19485-b-7-a Acquired: 8/26/2011 19:10:56 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83050 SOIL 6010C DOD4.1

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00030	80.330	.21816	.02077	1.3011	.00526	-.00061	48.304	.00868	.05998
Stddev	.00067	.098	.00111	.00048	.0007	.00002	.00496	.087	.00002	.00029
%RSD	225.75	.12203	.51024	2.2913	.05441	.45967	819.45	.18029	.25029	.48070
#1	-.00018	80.400	.21894	.02110	1.3016	.00528	-.00411	48.366	.00870	.05977
#2	.00077	80.261	.21737	.02043	1.3006	.00524	.00290	48.243	.00867	.06018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04349	.73698	152.58	13.844	.08405	24.303	6.1880	.00006	1.3813	.03240
Stddev	.00006	.00089	.05	.005	.00162	.051	.0038	.00033	.0050	.00041
%RSD	.14071	.12052	.03154	.03518	1.9272	.21131	.06110	517.42	.36335	1.2791
#1	.04353	.73761	152.62	13.847	.08291	24.339	6.1906	-.00017	1.3778	.03269
#2	.04345	.73635	152.55	13.841	.08520	24.267	6.1853	.00029	1.3849	.03210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.083	.27350	.96211	-.00156	-.00285	2.3769	.00006	1.2621	.03551	2.9104
Stddev	.001	.00103	.00108	.00079	.00035	.0398	.00043	.0013	.00134	.0002
%RSD	.00559	.37550	.11270	50.479	12.196	1.6764	672.68	.10461	3.7710	.00611
#1	14.083	.27278	.96134	-.00100	-.00261	2.4051	.00037	1.2630	.03456	2.9105
#2	14.084	.27423	.96288	-.00212	-.00310	2.3487	-.00024	1.2611	.03646	2.9103
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00280	-.02931	.35040	.49962	.06192
Stddev	.00012	.04041	.00024	.00135	.00175
%RSD	4.2220	137.85	.06967	.27055	2.8309
#1	.00272	-.05788	.35057	.50058	.06316
#2	.00288	-.00074	.35022	.49867	.06068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3846.3	63866.	5159.9
Stddev	4.9	141.	22.8
%RSD	.12691	.22018	.44118
#1	3842.9	63767.	5143.8
#2	3849.8	63965.	5176.0

Sample Name: 280-19485-b-8-a Acquired: 8/26/2011 19:13:28 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83050 SOIL 6010C DOD4.1

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00115**	**189.39**	**.20227**	**.03991**	**1.4409**	**.01007**	**-.00174**	**30.375**	**.00399**	**.07670**
Stddev	.00069	.25	.00199	.00054	.0039	.00008	.00140	.061	.00025	.00019
%RSD	59.686	.13437	.98232	1.3616	.27121	.77737	80.106	.20183	6.1752	.24852
#1	-.00067	189.21	.20086	.03953	1.4381	.01002	-.00273	30.332	.00417	.07683
#2	-.00164	189.57	.20367	.04029	1.4437	.01013	-.00076	30.418	.00382	.07656
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17623**	**.26868**	**187.77**	**54.229**	**.19371**	**127.75**	**5.2373**	**.00360**	**2.0935**	**.13953**
Stddev	.00004	.00003	.71	.050	.00259	.01	.0106	.00029	.0156	.00017
%RSD	.02402	.01274	.37826	.09227	1.3381	.01128	.20286	8.1646	.74681	.12187
#1	.17626	.26866	187.26	54.193	.19555	127.74	5.2298	.00381	2.0824	.13965
#2	.17620	.26871	188.27	54.264	.19188	127.76	5.2448	.00339	2.1045	.13941
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.3959**	**.32481**	**1.3496**	**-.00347**	**-.00239**	**2.8960**	**-.00115**	**.13976**	**.07822**	**5.6885**
Stddev	.0001	.00003	.0040	.00000	.00012	.0343	.00051	.00040	.00023	.0087
%RSD	.00108	.00803	.29293	.00041	5.0115	1.1848	44.602	.28729	.29240	.15345
#1	4.3959	.32479	1.3524	-.00347	-.00231	2.8717	-.00151	.13948	.07806	5.6947
#2	4.3959	.32483	1.3468	-.00347	-.00248	2.9202	-.00079	.14004	.07838	5.6823
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00229**	**-.02204**	**.20378**	**.59085**	**.12832**
Stddev	.00028	.01156	.00171	.00026	.00213
%RSD	12.391	52.457	.83874	.04472	1.6569
#1	.00209	-.01387	.20499	.59104	.12682
#2	.00250	-.03022	.20257	.59066	.12983
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4054.0**	**66940.**	**5507.9**
Stddev	1.5	56.	6.2
%RSD	.03716	.08437	.11266
#1	4055.0	66980.	5512.3
#2	4052.9	66900.	5503.5

Sample Name: 280-19485-a-9-a Acquired: 8/26/2011 19:16:02 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83050 SOIL 6010C DOD4.1

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**145.47**	**.19521**	**.03884**	**3.6151**	**.00978**	**.00014**	**15.808**	**.01409**	**.07161**
Stddev	.00028	.11	.00268	.00021	.0033	.00011	.00047	.024	.00031	.00020
%RSD	77.183	.07666	1.3720	.54988	.09175	1.1283	336.37	.15329	2.1842	.28409
#1	-.00016	145.55	.19711	.03869	3.6174	.00986	.00047	15.825	.01430	.07176
#2	-.00056	145.39	.19332	.03899	3.6128	.00970	-.00019	15.791	.01387	.07147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11679**	**1.1455**	**151.12**	**43.478**	**.23141**	**104.86**	**6.2264**	**.00184**	**.81359**	**.13094**
Stddev	.00032	.0029	.31	.026	.00270	.15	.0039	.00027	.00124	.00017
%RSD	.27497	.25584	.20791	.06083	1.1664	.13875	.06193	14.481	.15297	.12610
#1	.11656	1.1475	151.35	43.459	.22950	104.96	6.2237	.00165	.81447	.13082
#2	.11701	1.1434	150.90	43.496	.23332	104.76	6.2292	.00203	.81271	.13106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.0984**	**.45538**	**1.6645**	**-.00327**	**-.00414**	**2.4923**	**.00452**	**.08324**	**.07511**	**2.1733**
Stddev	.0058	.00123	.0037	.00001	.00535	.0203	.00037	.00024	.00082	.0017
%RSD	.14261	.26979	.22014	.31792	129.10	.81308	8.2704	.28412	1.0983	.07753
#1	4.1025	.45451	1.6671	-.00328	-.00036	2.4780	.00425	.08340	.07570	2.1745
#2	4.0942	.45625	1.6619	-.00326	-.00792	2.5066	.00478	.08307	.07453	2.1722
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	F **-.14316**	F **-.05026**	**.87343**	**.10484**
Stddev	.00066	.02592	.00191	.00311	.00068
%RSD	188.98	18.108	3.8047	.35565	.65163
#1	-.00082	-.16149	-.04890	.87124	.10436
#2	.00012	-.12483	-.05161	.87563	.10532
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit		50.000	50.000		
Low Limit		-.10000	-.02000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3970.8**	**65373.**	**5354.4**
Stddev	10.3	25.	22.4
%RSD	.25962	.03867	.41801
#1	3963.5	65355.	5338.6
#2	3978.1	65391.	5370.2

Sample Name: 280-19485-b-10-a Acquired: 8/26/2011 19:18:34 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83050 SOIL 6010C DOD4.1

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**113.84**	**.12632**	**.03336**	**1.3776**	**.00899**	**-.00704**	**56.198**	**.01249**	**.10228**
Stddev	.00001	.29	.00023	.00089	.0034	.00011	.00156	.036	.00004	.00018
%RSD	.44732	.25813	.17997	2.6537	.24325	1.2658	22.184	.06433	.34629	.17796
#1	.00113	114.05	.12648	.03273	1.3799	.00891	-.00594	56.224	.01246	.10241
#2	.00112	113.63	.12616	.03398	1.3752	.00907	-.00815	56.173	.01252	.10215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07773**	**.85499**	**310.87**	**25.241**	**.11720**	**54.594**	**8.4814**	**.00075**	**1.6693**	**.05560**
Stddev	.00002	.00155	.47	.016	.00021	.110	.0005	.00009	.0039	.00054
%RSD	.02634	.18154	.15254	.06196	.18112	.20145	.00617	12.046	.23118	.96905
#1	.07771	.85609	311.21	25.252	.11735	54.672	8.4817	.00081	1.6721	.05598
#2	.07774	.85389	310.54	25.230	.11705	54.516	8.4810	.00068	1.6666	.05522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.025**	**.61560**	**1.5839**	W **-.01013**	**.00046**	**2.6754**	**.00061**	**.43949**	**.06106**	**4.2466**
Stddev	.016	.00318	.0008	.00233	.00082	.0091	.00012	.00109	.00030	.0063
%RSD	.11073	.51673	.05321	22.958	177.44	.33958	19.207	.24851	.48884	.14805
#1	14.036	.61785	1.5833	-.00849	.00105	2.6690	.00053	.44026	.06085	4.2511
#2	14.014	.61335	1.5845	-.01178	-.00012	2.6818	.00070	.43872	.06127	4.2422
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				2.0000						
Low Limit				-.01000						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00407**	**.05919**	**.96544**	**1.1310**	**.10256**
Stddev	.00008	.01230	.00291	.0042	.00306
%RSD	2.0731	20.774	.30108	.37382	2.9805
#1	.00401	.05050	.96750	1.1340	.10040
#2	.00413	.06789	.96339	1.1280	.10472
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3961.4**	**66233.**	**5352.8**
Stddev	1.4	265.	8.8
%RSD	.03541	.39970	.16381
#1	3960.5	66046.	5346.6
#2	3962.4	66420.	5359.0

Sample Name: 280-19485-b-11-a Acquired: 8/26/2011 19:21:05 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83050 SOIL 6010C DOD4.1

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**111.78**	**.13374**	**.03098**	**1.5046**	**.00903**	W **-.01037**	**55.589**	**.01452**	**.10667**
Stddev	.00071	.40	.00283	.00032	.0023	.00005	.00141	.130	.00007	.00021
%RSD	146.45	.35788	2.1131	1.0275	.15472	.50172	13.643	.23350	.47797	.19722
#1	.00099	112.06	.13574	.03121	1.5062	.00906	-.01137	55.680	.01447	.10653
#2	-.00002	111.49	.13174	.03076	1.5029	.00900	-.00937	55.497	.01457	.10682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							3.0000			
Low Limit							-.01000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08016**	**.89419**	**331.28**	**24.945**	**.11664**	**53.652**	**8.9906**	**.00124**	**1.6225**	**.05532**
Stddev	.00012	.00117	.77	.086	.00038	.030	.0070	.00017	.0133	.00011
%RSD	.14427	.13102	.23162	.34354	.32486	.05577	.07776	13.855	.82111	.19723
#1	.08008	.89336	331.82	25.005	.11690	53.630	8.9856	.00112	1.6319	.05540
#2	.08024	.89502	330.74	24.884	.11637	53.673	8.9955	.00136	1.6130	.05525
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.078**	**.65530**	**1.5573**	**-.00848**	W **-.00825**	**2.5024**	**.00183**	**.42631**	**.08575**	**4.1508**
Stddev	.011	.00145	.0031	.00107	.00031	.0349	.00098	.00082	.00214	.0037
%RSD	.08090	.22093	.20187	12.565	3.7613	1.3947	53.470	.19331	2.4990	.09003
#1	14.086	.65632	1.5596	-.00923	-.00803	2.4778	.00252	.42690	.08424	4.1481
#2	14.070	.65428	1.5551	-.00773	-.00847	2.5271	.00114	.42573	.08727	4.1534
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00505**	**.10334**	**1.0787**	**1.1846**	**.10149**
Stddev	.00037	.01085	.0022	.0008	.00235
%RSD	7.3343	10.505	.20653	.06434	2.3143
#1	.00531	.11101	1.0771	1.1852	.10315
#2	.00479	.09566	1.0802	1.1841	.09983
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3947.0**	**65801.**	**5288.9**
Stddev	4.2	129.	15.0
%RSD	.10640	.19590	.28293
#1	3949.9	65710.	5278.4
#2	3944.0	65892.	5299.5

Sample Name: 280-19485-b-11-aSD@5 Acquired: 8/26/2011 19:23:36 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83050 SOIL 6010C DOD4.1

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00069	25.168	.03329	.01134	.33463	.00202	-.00032	12.354	.00260	.02432
Stddev	.00092	.047	.00568	.00050	.00088	.00013	.00050	.008	.00009	.00017
%RSD	132.78	.18826	17.060	4.3972	.26444	6.3373	156.32	.06246	3.6048	.68560
#1	.00134	25.201	.03731	.01169	.33526	.00193	.00003	12.359	.00254	.02420
#2	.00004	25.134	.02928	.01098	.33401	.00211	-.00067	12.348	.00267	.02444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01784	.19576	74.983	5.4729	.02973	12.200	2.0868	-.00059	.56082	.01267
Stddev	.00016	.00044	.375	.0170	.00010	.000	.0000	.00007	.00904	.00029
%RSD	.88044	.22408	.50006	.30969	.32619	.00025	.00085	11.495	1.6118	2.2670
#1	.01795	.19607	75.248	5.4609	.02966	12.200	2.0868	-.00064	.56721	.01247
#2	.01773	.19545	74.718	5.4849	.02980	12.200	2.0868	-.00055	.55443	.01288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.1573	.14975	.40279	-.00241	-.00285	.56257	.00030	.09561	.01952	.90534
Stddev	.0069	.00106	.00788	.00005	.00127	.00838	.00003	.00003	.00106	.00204
%RSD	.21899	.70658	1.9556	1.9507	44.427	1.4901	8.4339	.02740	5.4063	.22535
#1	3.1622	.14900	.39722	-.00237	-.00196	.55664	.00032	.09559	.02026	.90390
#2	3.1524	.15050	.40836	-.00244	-.00375	.56850	.00028	.09562	.01877	.90679
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00312	-.00416	.25443	.27076	.02504
Stddev	.00029	.00249	.00028	.00068	.00131
%RSD	9.3947	59.773	.11054	.25276	5.2133
#1	.00292	-.00592	.25463	.27027	.02412
#2	.00333	-.00240	.25423	.27124	.02597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3736.8	62744.	4888.7
Stddev	9.6	75.	2.0
%RSD	.25644	.12001	.04026
#1	3730.1	62691.	4890.0
#2	3743.6	62797.	4887.3

Sample Name: 280-19485-b-11-a PDS Acquired: 8/26/2011 19:26:04 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83050 SOIL 6010C DOD4.1

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04659**	**109.91**	**.31075**	**.11613**	**1.5719**	**.05005**	W **-.01536**	**70.338**	**.06058**	**.14692**
Stddev	.00050	.10	.00130	.00107	.0033	.00001	.00076	.064	.00020	.00001
%RSD	1.0723	.08777	.41850	.91711	.20797	.01065	4.9628	.09048	.33476	.00362
#1	.04623	109.84	.30983	.11538	1.5696	.05005	-.01590	70.293	.06044	.14691
#2	.04694	109.98	.31167	.11689	1.5742	.05006	-.01483	70.383	.06072	.14692
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							3.0000			
Low Limit							-.01000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12192**	**.92258**	**326.50**	**42.114**	**.20696**	**70.259**	**8.8554**	**.04370**	**22.211**	**.09682**
Stddev	.00013	.00197	.15	.100	.00262	.001	.0480	.00007	.197	.00013
%RSD	.10911	.21388	.04443	.23705	1.2648	.00195	.54255	.16621	.88840	.13862
#1	.12183	.92118	326.40	42.044	.20881	70.258	8.8893	.04375	22.072	.09673
#2	.12202	.92397	326.60	42.185	.20511	70.260	8.8214	.04365	22.351	.09692
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.574**	**.72713**	**1.5439**	**.07437**	**.17596**	**6.3619**	**.08556**	**.46643**	**.25613**	**4.1215**
Stddev	.006	.00105	.0064	.00011	.00777	.0179	.00017	.00032	.00005	.0040
%RSD	.03794	.14400	.41171	.14737	4.4178	.28134	.20133	.06913	.01894	.09751
#1	15.578	.72639	1.5395	.07429	.18145	6.3746	.08568	.46620	.25610	4.1187
#2	15.570	.72787	1.5484	.07445	.17046	6.3493	.08544	.46666	.25616	4.1244
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.17255**	**.56160**	**1.1218**	**1.3391**	**.14710**
Stddev	.00027	.00186	.0035	.0021	.00018
%RSD	.15819	.33049	.31175	.15964	.12253
#1	.17275	.56291	1.1193	1.3406	.14723
#2	.17236	.56029	1.1243	1.3376	.14697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3892.8**	**65106.**	**5324.5**
Stddev	4.8	267.	8.9
%RSD	.12305	.40967	.16670
#1	3889.4	64917.	5318.2
#2	3896.2	65295.	5330.8

Sample Name: CCVH-940568 Acquired: 8/26/2011 19:28:33 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02013**	**46.742**	**-.00032**	**.00633**	**.00079**	**-.00021**	**.99740**	**.00879**	**-.00156**	**.00213**	**.00010**	**.00004**	**46.318**
Stddev	.00003	.188	.00138	.00044	.00022	.00003	.00356	.00069	.00004	.00032	.00006	.00033	.478
%RSD	.16077	.40146	426.35	6.9719	27.677	12.835	.35722	7.7933	2.6520	14.819	66.803	887.58	1.0317
#1	-.02011	46.610	-.00130	.00601	.00094	-.00023	.99488	.00928	-.00159	.00236	.00014	-.00019	45.980
#2	-.02016	46.875	.00065	.00664	.00063	-.00019	.99992	.00831	-.00153	.00191	.00005	.00027	46.656
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14932**	**.00337**	**-.10478**	**-.00003**	**-.00260**	**265.57**	**.00155**	**.00857**	**-.00040**	**4.9921**	**-.00926**	**.01106**	**.00776**
Stddev	.01857	.00467	.00010	.00008	.00026	.74	.00049	.00029	.00020	.0101	.00046	.00114	.00839
%RSD	12.434	138.91	.09228	258.30	9.8841	.27939	31.712	3.3951	49.667	.20186	5.0191	10.337	108.10
#1	.16245	.00006	-.10485	.00003	-.00278	265.04	.00190	.00878	-.00026	4.9849	-.00958	.01025	.00183
#2	.13619	.00667	-.10471	-.00009	-.00242	266.09	.00120	.00837	-.00054	4.9992	-.00893	.01187	.01369
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00123**	**.00027**	**4.8398**	**.00280**	**.00305**	**10.363**	**-.00806**	**.00251**	**.03792**
Stddev	.00049	.00000	.0060	.00062	.00078	.004	.00049	.00011	.00286
%RSD	40.348	.65923	.12458	22.294	25.607	.03711	6.1094	4.2420	7.5322
#1	.00088	.00027	4.8441	.00236	.00250	10.365	-.00772	.00243	.03590
#2	.00157	.00027	4.8355	.00324	.00360	10.360	-.00841	.00258	.03994
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3553.5**	**59520.**	**4732.7**
Stddev	2.5	223.	30.6
%RSD	.06909	.37476	.64615
#1	3555.2	59678.	4754.4
#2	3551.7	59363.	4711.1

Sample Name: CCV-940591 Acquired: 8/26/2011 19:31:08 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50388**	**.48175**	**.99616**	**.49922**	**.50049**	**.46816**	**-.00076**	**4.6196**	**.50219**	**.48954**	**.49139**	**.50313**
Stddev	.00073	.00309	.00287	.00015	.00329	.00185	.00037	.0082	.00050	.00065	.00045	.00051
%RSD	.14406	.64215	.28780	.03050	.65797	.39414	48.427	.17782	.09924	.13273	.09211	.10105
#1	.50439	.47956	.99414	.49933	.49816	.46686	-.00102	4.6138	.50254	.49000	.49171	.50277
#2	.50337	.48394	.99819	.49911	.50282	.46947	-.00050	4.6254	.50183	.48908	.49107	.50348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.2604**	**49.568**	**1.0314**	**19.759**	**.49611**	**.49764**	F **5.5423**	**.49531**	**.94878**	**1.0003**	**.06950**	**.98598**
Stddev	.0031	.081	.0065	.003	.00006	.00060	.0355	.00050	.00020	.0011	.00019	.00392
%RSD	.13906	.16437	.63325	.01584	.01277	.12048	.64054	.10113	.02087	.11260	.27665	.39781
#1	2.2582	49.511	1.0268	19.757	.49607	.49807	5.5172	.49567	.94864	1.0011	.06937	.98876
#2	2.2627	49.626	1.0360	19.762	.49616	.49722	5.5674	.49496	.94892	.99947	.06964	.98321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98462**	F **4.4696**	**.99094**	**.49836**	**-.00192**	**.48408**	**.98584**	**.04812**	**.50120**	**.49367**	**.49281**
Stddev	.00510	.0155	.00272	.00219	.00122	.00062	.00085	.00054	.00025	.00168	.00375
%RSD	.51818	.34725	.27499	.44031	63.394	.12816	.08602	1.1269	.05043	.33983	.76034
#1	.98823	4.4586	.99287	.49681	-.00106	.48452	.98524	.04774	.50138	.49248	.49016
#2	.98101	4.4806	.98902	.49991	-.00278	.48364	.98644	.04851	.50103	.49486	.49546
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		5.0000									
Range		-10.000%									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3629.6**	**61283.**	**4702.2**
Stddev	7.8	179.	13.5
%RSD	.21372	.29193	.28706
#1	3624.1	61409.	4692.6
#2	3635.0	61156.	4711.7

Sample Name: CCB Acquired: 8/26/2011 19:33:28 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00043**	W **.00846**	F **.00484**	**.00042**	**-.00012**	**-.00267**	**-.00328**	W **-.00049**	**.00020**
Stddev	.00085	.00085	.00386	.00006	.00023	.00009	.00081	.00145	.00004	.00003
%RSD	789.25	199.40	45.666	1.2589	54.389	68.517	30.548	44.260	7.5926	16.681
#1	-.00071	-.00017	.00573	.00488	.00059	-.00006	-.00324	-.00225	-.00046	.00017
#2	.00050	.00103	.01119	.00480	.00026	-.00018	-.00209	-.00430	-.00051	.00022
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass
High Limit			.00440	.00312					.00045	
Low Limit			-.00440	-.00312					-.00045	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00012**	**.00060**	**.13796**	W **.00308**	**.00142**	**.00002**	**.00203**	F **.29066**	**.00035**
Stddev	.00033	.00045	.00024	.01271	.00383	.00085	.00000	.00095	.01733	.00003
%RSD	111.32	364.00	39.732	9.2094	124.23	59.595	1.2862	46.982	5.9622	9.1924
#1	.00006	.00045	.00077	.14694	.00579	.00202	.00002	.00136	.30291	.00033
#2	.00053	-.00020	.00043	.12898	.00037	.00082	.00002	.00270	.27841	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					.00261				.10000	
Low Limit					-.00261				-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**-.00010**	**.06335**	F **.00783**	**.00483**	**.01439**	**.00043**	**-.00004**	**-.00140**	**.00051**
Stddev	.00015	.00099	.00254	.00027	.00099	.01676	.00075	.00007	.00114	.00174
%RSD	69.380	1022.4	4.0152	3.4629	20.426	116.47	172.87	185.73	81.356	338.73
#1	-.00011	-.00079	.06515	.00764	.00553	.00254	-.00010	-.00008	-.00220	.00174
#2	-.00033	.00060	.06155	.00802	.00413	.02624	.00096	.00001	-.00059	-.00071
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00628						
Low Limit				-.00628						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00176**	F **.05096**	**-.00051**	**.00136**	**.00193**
Stddev	.00032	.02080	.00102	.00027	.00357
%RSD	18.435	40.812	198.02	19.981	185.39
#1	.00153	.06566	-.00123	.00155	.00445
#2	.00199	.03625	.00021	.00117	-.00060
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.05000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3680.7**	**62660.**	**4714.1**
Stddev	2.1	12.	8.4
%RSD	.05590	.01851	.17923
#1	3682.2	62652.	4708.1
#2	3679.3	62668.	4720.1

Sample Name: CCVL-946273 Acquired: 8/26/2011 19:36:03 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01040**	**.09902**	**.01763**	**.10613**	**.01027**	**.00095**	W **.12107**	**.18267**	**.00482**	**.00993**	**.00996**
Stddev	.00058	.00378	.00059	.00051	.00000	.00001	.00391	.00417	.00012	.00044	.00010
%RSD	5.5670	3.8139	3.3269	.48376	.00407	1.3695	3.2329	2.2821	2.5130	4.3923	1.0541
#1	.00999	.10169	.01722	.10649	.01027	.00096	.12384	.18562	.00473	.00962	.01004
#2	.01081	.09635	.01805	.10577	.01027	.00094	.11830	.17972	.00490	.01024	.00989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							20.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01538**	**.09116**	**3.0760**	**.01105**	**.20739**	**.01026**	**.01917**	F **1.3743**	**.04077**	**2.7896**	**.00796**
Stddev	.00005	.00212	.0370	.00021	.00096	.00001	.00026	.0240	.00016	.0022	.00165
%RSD	.31911	2.3261	1.2017	1.9373	.46092	.08292	1.3738	1.7485	.40129	.07763	20.763
#1	.01534	.08966	3.1022	.01120	.20671	.01026	.01936	1.3913	.04088	2.7880	.00679
#2	.01541	.09266	3.0499	.01090	.20807	.01027	.01898	1.3574	.04065	2.7911	.00912
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value								1.0000			
Range								30.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07599**	F **.01426**	**.01492**	**.45681**	**.09979**	**.01006**	**.01328**	**.00961**	**.01546**	**.06541**	**.00903**
Stddev	.00099	.00009	.00136	.00941	.00012	.00012	.00224	.00005	.00022	.02532	.00103
%RSD	1.3030	.63329	9.1092	2.0610	.11624	1.1732	16.896	.49365	1.4374	38.712	11.425
#1	.07669	.01420	.01396	.46347	.09971	.01014	.01486	.00964	.01562	.04751	.00830
#2	.07529	.01433	.01588	.45015	.09987	.00997	.01169	.00958	.01530	.08332	.00976
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.01000									
Range		30.000%									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02166**	W **.01870**
Stddev	.00009	.00171
%RSD	.41674	9.1203
#1	.02172	.01749
#2	.02160	.01991
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3689.7**	**62726.**	**4743.5**
Stddev	8.4	26.	12.5
%RSD	.22859	.04092	.26426
#1	3683.7	62708.	4752.3
#2	3695.6	62744.	4734.6

Sample Name: mb 280-83043/1-a Acquired: 8/26/2011 19:38:42 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83043 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00031	.00394	.00445	.00500	.00042	.00018	-.00171	.05054	-.00013	.00015
Stddev	.00014	.00074	.00542	.00025	.00056	.00005	.00267	.00330	.00003	.00055
%RSD	44.239	18.713	121.74	5.0561	131.12	26.315	156.00	6.5253	25.217	368.89
#1	.00021	.00342	.00062	.00517	.00003	.00015	-.00359	.05288	-.00011	.00054
#2	.00041	.00446	.00828	.00482	.00082	.00022	.00018	.04821	-.00016	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00026	.00027	.00887	.11063	.00323	.02221	.00046	-.00024	.26611	.00063
Stddev	.00013	.00012	.00208	.03139	.00539	.00179	.00003	.00022	.00184	.00043
%RSD	51.798	43.950	23.401	28.370	167.10	8.0696	6.7838	92.583	.69123	69.067
#1	.00016	.00035	.01033	.08844	.00704	.02348	.00048	-.00040	.26741	.00093
#2	.00035	.00019	.00740	.13282	-.00059	.02094	.00044	-.00008	.26481	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00451	.00006	.06386	.00106	-.00199	-.00944	.00054	.00019	-.00126	.00029
Stddev	.00132	.00066	.00579	.00039	.00069	.00714	.00047	.00004	.00201	.00036
%RSD	29.204	1037.3	9.0679	36.216	34.502	75.609	87.075	19.752	159.84	123.88
#1	.00544	.00053	.05977	.00079	-.00248	-.00440	.00087	.00022	-.00268	.00054
#2	.00358	-.00040	.06796	.00134	-.00150	-.01449	.00021	.00017	.00016	.00004
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00221	.02210	-.00023	.00473	.00374
Stddev	.00225	.00518	.00036	.00003	.00213
%RSD	102.05	23.460	154.97	.63076	57.125
#1	.00061	.01843	.00002	.00475	.00223
#2	.00380	.02576	-.00049	.00471	.00525
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3741.6	63873.	4769.4
Stddev	1.4	174.	4.8
%RSD	.03776	.27281	.10090
#1	3742.6	63996.	4772.8
#2	3740.6	63749.	4766.0

Sample Name: lcs 280-83043/2-a Acquired: 8/26/2011 19:41:18 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83043 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04942**	**1.8417**	**1.0317**	**1.0217**	**2.0740**	**.04839**	F **2.3409**	**47.222**	**.10751**	**.49290**
Stddev	.00004	.0183	.0016	.0008	.0034	.00012	.0008	.010	.00023	.00012
%RSD	.08610	.99600	.15194	.07769	.16636	.24642	.03412	.02024	.21490	.02462
#1	.04939	1.8547	1.0306	1.0212	2.0764	.04847	2.3403	47.228	.10767	.49298
#2	.04945	1.8287	1.0328	1.0223	2.0716	.04830	2.3415	47.215	.10735	.49281
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20209**	**.25774**	F **1.1694**	**51.613**	**1.0548**	**50.618**	**.50589**	**1.0286**	**54.966**	**.49599**
Stddev	.00018	.00148	.0016	.030	.0009	.154	.00180	.0011	.109	.00016
%RSD	.09006	.57609	.13453	.05754	.08916	.30506	.35508	.10342	.19741	.03266
#1	.20196	.25879	1.1683	51.592	1.0554	50.727	.50716	1.0279	54.889	.49587
#2	.20222	.25669	1.1705	51.634	1.0541	50.509	.50462	1.0294	55.043	.49610
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			1.1400							
Low Limit			.88000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.027**	**.50629**	**.05779**	**.52297**	**2.0750**	F **9.1916**	**2.0243**	**1.0333**	**.98885**	**1.0160**
Stddev	.004	.00290	.00070	.00221	.0036	.0097	.0005	.0024	.00010	.0036
%RSD	.03730	.57349	1.2194	.42320	.17485	.10550	.02355	.22785	.01057	.35650
#1	10.024	.50423	.05729	.52454	2.0776	9.1985	2.0239	1.0350	.98892	1.0186
#2	10.030	.50834	.05829	.52141	2.0725	9.1848	2.0246	1.0317	.98877	1.0134
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500				
Low Limit						9.4000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9933**	**2.1620**	**.51884**	**.50380**	**.52008**
Stddev	.0004	.0003	.00223	.00056	.00603
%RSD	.01946	.01345	.42996	.11117	1.1599
#1	1.9930	2.1622	.52042	.50420	.51581
#2	1.9935	2.1618	.51726	.50340	.52434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3577.7**	**60200.**	**4751.9**
Stddev	4.9	27.	11.1
%RSD	.13802	.04473	.23443
#1	3574.2	60219.	4759.8
#2	3581.2	60181.	4744.0

Sample Name: 280-19479-j-1-a Acquired: 8/26/2011 19:43:37 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83043 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00097**	**.00535**	k **.00583**	**5.2653**	k **.02921**	k **-.00061**	k **.00817**	W **1047.7**	k **-.00153**	k **.01543**
Stddev	.00017	.00477	.00538	.0271	.00035	.00009	.00711	6.6	.00044	.00182
%RSD	17.670	89.095	92.300	.51454	1.1956	14.470	87.065	.63428	28.679	11.823
#1	k .00084	.00198	k .00202	5.2845	k .02897	k -.00055	k .00314	1052.4	k -.00185	k .01414
#2	k .00109	.00872	k .00963	5.2461	.02946	k -.00067	k .01320	1043.0	k -.00122	k .01672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00102**	k **.00155**	**.20479**	**29.403**	**.15739**	W **1602.3**	W **14.208**	**.01186**	W **6239.4**	**.05716**
Stddev	.00112	.00031	.00229	.440	.00095	10.2	.038	.00498	5.6	.00102
%RSD	109.47	20.158	1.1171	1.4970	.60426	.63696	.26722	41.999	.09010	1.7869
#1	k .00023	k .00133	.20641	29.092	.15806	1595.1	14.235	.00834	6235.4	.05644
#2	k .00182	k .00178	.20318	29.714	.15672	1609.5	14.182	.01539	6243.4	.05789
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit						500.00	10.000		500.00	
Low Limit						-.10000	-.01000		10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34413**	kW **-.00762**	**1175.4**	k **.00714**	k **.02075**	**6.3163**	k **.00711**	W **19.337**	k **-.00410**	k **-.00723**
Stddev	.01794	.00176	7.9	.00103	.00611	.0160	.00727	.032	.00158	.00015
%RSD	5.2118	23.079	.67095	14.395	29.448	.25317	102.22	.16373	38.472	2.1217
#1	.33145	k -.00887	1181.0	k .00787	k .01643	6.3276	k .00197	19.359	k -.00521	k -.00733
#2	.35682	k -.00638	1169.8	k .00641	k .02507	6.3050	k .01225	19.315	k -.00298	k -.00712
Check ?	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit		10.000						10.000		
Low Limit		-.00300						-.01000		

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **.01039**	kW **-.09377**	^ *****	k **.02138**	k **.00235**
Stddev	.00838	.00914	-----	.00062	.00125
%RSD	80.675	9.7496	-----	2.8824	53.096
#1	k .00446	k -.08730	^ -----	.02182	k .00324
#2	k .01632	k -.10023	^ -----	k .02095	k .00147
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2747.4**	**44763.**	**4363.5**
Stddev	13.9	84.	12.0
%RSD	.50609	.18761	.27451
#1	2737.5	44704.	4355.0
#2	2757.2	44823.	4372.0

Sample Name: 280-19479-j-2-d Acquired: 8/26/2011 19:47:23 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83043 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**-.00589**	**.00296**	**5.2122**	**.02632**	**-.00065**	**.00071**	W **954.96**	**-.00162**	**.01344**
Stddev	.00059	.00165	.00332	.0005	.00010	.00001	.00186	5.13	.00027	.00042
%RSD	93.856	27.956	112.20	.00940	.37485	1.8718	260.73	.53731	16.533	3.1601
#1	.00104	-.00473	.00531	5.2126	.02625	-.00064	.00202	958.59	-.00143	.01314
#2	.00021	-.00706	.00061	5.2119	.02639	-.00066	-.00060	951.33	-.00181	.01374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00206**	**.19829**	**24.906**	**.13509**	W **1511.6**	W **11.980**	**.00233**	W **6000.2**	**.05578**
Stddev	.00012	.00023	.00087	.403	.00007	2.4	.043	.00048	.1	.00028
%RSD	306.12	11.286	.43686	1.6192	.04873	.15806	.35546	20.592	.00207	.49305
#1	.00012	.00189	.19890	24.621	.13513	1509.9	11.950	.00267	6000.1	.05558
#2	-.00005	.00222	.19768	25.191	.13504	1513.3	12.010	.00199	6000.3	.05597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit						500.00	10.000		500.00	
Low Limit						-.10000	-.01000		10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30373**	W **-.00672**	**1120.2**	**.00321**	**.00250**	**6.2038**	**-.00196**	W **18.079**	**-.00783**	**-.00729**
Stddev	.00190	.00063	1.8	.00016	.00395	.0199	.00110	.253	.00071	.00005
%RSD	.62396	9.3435	.15838	5.0027	157.74	.32145	56.064	1.4021	9.0377	.73151
#1	.30239	-.00716	1121.4	.00310	.00529	6.2179	-.00118	17.900	-.00733	-.00733
#2	.30507	-.00627	1118.9	.00333	-.00029	6.1897	-.00273	18.258	-.00833	-.00725
Check ?	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit		10.000						10.000		
Low Limit		-.00300						-.01000		

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00408**	F **-.10979**	F **-.43271**	**.01299**	**.00719**
Stddev	.00181	.01168	.00276	.00080	.00204
%RSD	44.351	10.637	.63716	6.1818	28.424
#1	.00280	-.11804	-.43466	.01242	.00863
#2	.00536	-.10153	-.43077	.01356	.00574
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit		50.000	50.000		
Low Limit		-.10000	-.02000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2779.5**	**45696.**	**4422.1**
Stddev	5.2	29.	.5
%RSD	.18715	.06419	.01223
#1	2775.9	45717.	4421.8
#2	2783.2	45676.	4422.5

Sample Name: 280-19479-j-2-d SD@5 Acquired: 8/26/2011 19:51:10 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83043 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00299**	**.00662**	**1.1696**	**.00619**	**-.00019**	**.00308**	**228.37**	**-.00112**	**.00331**
Stddev	.00039	.00030	.00398	.0012	.00040	.00002	.00146	.31	.00037	.00010
%RSD	662.31	10.020	60.080	.10336	6.4505	11.123	47.564	.13405	33.270	2.9180
#1	.00034	-.00320	.00381	1.1705	.00591	-.00018	.00411	228.15	-.00138	.00338
#2	-.00022	-.00277	.00943	1.1687	.00647	-.00021	.00204	228.59	-.00086	.00325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00171**	**.04755**	**4.2328**	**.03278**	**354.50**	**2.7425**	**-.00014**	W **1273.0**	**.01286**
Stddev	.00001	.00000	.00123	.0219	.00111	1.80	.0012	.00058	1.5	.00042
%RSD	11.116	.23862	2.5832	.51755	3.3746	.50753	.04231	410.94	.11520	3.2766
#1	.00012	.00172	.04668	4.2483	.03356	353.23	2.7416	-.00055	1272.0	.01316
#2	.00010	.00171	.04842	4.2173	.03200	355.78	2.7433	.00027	1274.1	.01257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06875**	W **-.00334**	**254.69**	**.00095**	**-.00183**	**1.3439**	**-.00217**	**3.9948**	**-.00256**	**-.00293**
Stddev	.00083	.00264	.17	.00007	.00433	.0040	.00089	.0060	.00218	.00049
%RSD	1.2142	79.091	.06835	7.0569	236.48	.29950	40.763	.15107	85.075	16.763
#1	.06934	-.00147	254.57	.00100	.00123	1.3468	-.00280	3.9905	-.00102	-.00258
#2	.06816	-.00521	254.81	.00091	-.00490	1.3411	-.00155	3.9991	-.00410	-.00327
Check ?	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000								
Low Limit		-.00300								

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00343**	**.01805**	F **-.07326**	**.00727**	**.00175**
Stddev	.00077	.03170	.00038	.00022	.00229
%RSD	22.359	175.68	.52452	2.9750	130.55
#1	.00289	-.00437	-.07299	.00711	.00013
#2	.00398	.04047	-.07353	.00742	.00337
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			50.000		
Low Limit			-.02000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3228.9**	**53588.**	**4541.8**
Stddev	3.1	4.	.5
%RSD	.09754	.00764	.01167
#1	3226.6	53591.	4542.2
#2	3231.1	53585.	4541.5

Sample Name: 280-19479-j-2-e ms Acquired: 8/26/2011 19:54:41 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83043 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.06020**	**1.4820**	k **1.0977**	**6.2823**	k **2.0520**	k **.04308**	k **2.3406**	W **1027.8**	k **.11831**	k **.45605**
Stddev	.00207	.0142	.0038	.0127	.0006	.00016	.0198	3.9	.00801	.00058
%RSD	3.4431	.95919	.34893	.20276	.03079	.37712	.84698	.37872	6.7664	.12614
#1	.05874	1.4920	1.0950	6.2913	2.0525	.04320	2.3547	1025.1	.11265	.45646
#2	k .06167	1.4719	k 1.1004	6.2733	k 2.0516	k .04297	k 2.3266	1030.6	k .12397	k .45565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.18764**	k **.26278**	**1.0236**	**82.205**	**1.3142**	W **1570.7**	W **12.630**	**.97516**	W **6267.3**	**.49889**
Stddev	.00093	.00138	.0004	.201	.0060	4.0	.008	.00199	5.7	.00256
%RSD	.49514	.52530	.03664	.24438	.45504	.25535	.06529	.20400	.09120	.51267
#1	.18829	.26181	1.0233	82.063	1.3185	1567.8	12.624	.97657	6271.3	.50070
#2	k .18698	k .26376	1.0239	82.347	1.3100	1573.5	12.636	.97376	6263.2	.49708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit						500.00	10.000		500.00	
Low Limit						-.10000	-.01000		10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.798**	k **.42792**	**1143.6**	k **.53676**	k **2.1596**	k **15.052**	k **1.7472**	W **19.584**	k **.98161**	k **.95941**
Stddev	.017	.00013	2.8	.00301	.0153	.023	.0060	.024	.03699	.00279
%RSD	.15736	.03104	.24054	.56129	.70602	.15369	.34638	.12067	3.7681	.29116
#1	10.810	.42783	1145.6	.53463	2.1704	15.035	1.7515	19.601	.95545	.95744
#2	10.786	k .42801	1141.7	k .53889	k 2.1488	k 15.068	k 1.7430	19.567	k 1.0078	k .96139
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								10.000		
Low Limit								-.01000		

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **1.5654**	k **1.9863**	^ *****	k **.46105**	k **.51657**
Stddev	.0069	.0708	-----	.00105	.04369
%RSD	.43911	3.5629	-----	.22768	8.4568
#1	1.5703	2.0363	.07045	.46031	.48568
#2	k 1.5606	k 1.9362	^ -----	k .46179	k .54746
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2778.7**	**45668.**	**4441.5**
Stddev	3.0	84.	10.4
%RSD	.10827	.18454	.23340
#1	2776.6	45608.	4448.9
#2	2780.9	45727.	4434.2

Sample Name: 280-19479-j-2-f msd Acquired: 8/26/2011 19:58:16 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83043 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.05989**	**1.4967**	k **1.1065**	**6.3171**	k **2.0808**	k **.04346**	k **2.3660**	W **1036.5**	k **.11936**	k **.46031**
Stddev	.00219	.0032	.0055	.0036	.0046	.00035	.0051	9.3	.00883	.00079
%RSD	3.6626	.21287	.49443	.05656	.21951	.79705	.21473	.89661	7.4018	.17054
#1	.05834	1.4990	1.1026	6.3146	2.0840	.04371	2.3696	1029.9	.11311	.45975
#2	k .06144	1.4945	k 1.1103	6.3196	k 2.0775	k .04322	k 2.3624	1043.1	k .12561	k .46086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.18975**	k **.26525**	**1.0396**	**82.883**	**1.3316**	W **1583.6**	W **12.755**	**.99070**	W **6334.6**	**.50327**
Stddev	.00096	.00030	.0004	.002	.0021	5.4	.019	.00349	11.1	.00014
%RSD	.50760	.11485	.03477	.00262	.15850	.34299	.15175	.35221	.17468	.02703
#1	.18907	.26503	1.0393	82.885	1.3331	1587.5	12.741	.99316	6342.4	.50336
#2	k .19043	k .26546	1.0398	82.882	1.3301	1579.8	12.769	.98823	6326.8	.50317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit						500.00	10.000		500.00	
Low Limit						-.10000	-.01000		10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.921**	k **.43244**	**1146.8**	k **.54607**	k **2.1803**	k **15.212**	k **1.7728**	W **19.807**	k **.99255**	k **.97850**
Stddev	.019	.00290	.9	.00013	.0039	.047	.0030	.122	.03623	.00559
%RSD	.17787	.67057	.07763	.02403	.17719	.30605	.17015	.61586	3.6503	.57140
#1	10.907	.43039	1147.4	.54597	2.1830	15.245	1.7749	19.893	.96693	.97455
#2	10.934	k .43449	1146.2	k .54616	k 2.1776	k 15.179	k 1.7707	19.721	k 1.0182	k .98245
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								10.000		
Low Limit								-.01000		

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **1.5795**	k **1.9625**	^ *****	k **.46526**	k **.52762**
Stddev	.0023	.0069	-----	.00106	.04185
%RSD	.14625	.35203	-----	.22699	7.9311
#1	1.5779	1.9576	.07374	.46601	.49803
#2	k 1.5812	k 1.9674	^ -----	k .46452	k .55721
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**2765.8**	**45605.**	**4417.3**
Stddev	3.2	53.	6.2
%RSD	.11745	.11589	.14119
#1	2768.1	45567.	4412.9
#2	2763.5	45642.	4421.7

Sample Name: CCVH-940568 Acquired: 8/26/2011 20:01:51 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02009**	**46.280**	**.00018**	**.01475**	**.00091**	**-.00019**	**.99497**	**.01884**	**-.00170**	**.00194**	**.00017**	**-.00010**	**45.326**
Stddev	.00068	.025	.00147	.00033	.00014	.00015	.00414	.00187	.00020	.00028	.00016	.00025	.047
%RSD	3.3907	.05324	798.05	2.2058	15.242	78.426	.41622	9.9425	12.074	14.553	91.642	248.44	.10426
#1	-.02058	46.298	-.00085	.01498	.00081	-.00029	.99790	.02017	-.00155	.00214	.00006	.00008	45.359
#2	-.01961	46.263	.00122	.01452	.00101	-.00008	.99205	.01752	-.00184	.00174	.00028	-.00027	45.292
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41853**	**.00399**	**-.09185**	**-.00020**	**-.00128**	**268.85**	**.00110**	**.01220**	**-.00175**	**5.0694**	**-.01185**	**.01053**	**.00534**
Stddev	.04586	.00043	.00098	.00011	.00055	.91	.00064	.00133	.00112	.0210	.00017	.00238	.01710
%RSD	10.958	10.857	1.0620	57.601	42.934	.33716	58.476	10.894	63.838	.41386	1.3983	22.606	320.19
#1	.45096	.00369	-.09254	-.00012	-.00167	269.49	.00065	.01126	-.00096	5.0843	-.01197	.00884	-.00675
#2	.38609	.00430	-.09116	-.00028	-.00089	268.21	.00156	.01314	-.00254	5.0546	-.01173	.01221	.01743
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00139**	**.00049**	**4.8276**	**.00062**	**.00401**	**10.302**	**-.00910**	**.00229**	**.04375**
Stddev	.00091	.00010	.0032	.00041	.00112	.004	.00036	.00061	.00059
%RSD	64.965	19.469	.06732	66.152	27.871	.03864	3.9302	26.392	1.3412
#1	.00075	.00056	4.8253	.00033	.00322	10.299	-.00936	.00272	.04416
#2	.00204	.00042	4.8299	.00091	.00480	10.305	-.00885	.00187	.04333
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3576.2**	**60204.**	**4699.7**
Stddev	.5	176.	10.9
%RSD	.01522	.29163	.23291
#1	3575.8	60328.	4707.4
#2	3576.6	60080.	4691.9

Sample Name: CCV-940591 Acquired: 8/26/2011 20:04:21 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49773**	**.47300**	**.98996**	**.50456**	**.50245**	**.46137**	**.00255**	**4.5827**	**.50005**	**.48747**	**.49017**	**.50021**
Stddev	.00119	.00550	.00546	.00097	.00039	.00073	.00164	.0190	.00007	.00113	.00040	.00088
%RSD	.23957	1.1621	.55182	.19291	.07849	.15754	64.436	.41526	.01460	.23188	.08260	.17512
#1	.49857	.46912	.99382	.50524	.50273	.46188	.00371	4.5962	.50000	.48667	.49045	.50083
#2	.49689	.47689	.98610	.50387	.50218	.46086	.00139	4.5692	.50010	.48827	.48988	.49959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.2029**	**50.022**	**1.0263**	**19.468**	**.49114**	**.49615**	F **6.5854**	**.49332**	**.94645**	**.99493**	**.12843**	**.98664**
Stddev	.0027	.109	.0039	.017	.00074	.00013	.0218	.00047	.00342	.00170	.00570	.00649
%RSD	.12171	.21754	.37736	.08716	.15096	.02542	.33077	.09545	.36126	.17136	4.4365	.65771
#1	2.2010	50.099	1.0236	19.480	.49166	.49606	6.6009	.49365	.94403	.99614	.13246	.99123
#2	2.2048	49.945	1.0290	19.456	.49061	.49624	6.5700	.49299	.94887	.99373	.12441	.98205
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value	2.5000						5.0000					
Range	-10.000%						10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98182**	F **4.4222**	**.98627**	**.49728**	**-.00121**	**.48119**	**.98002**	**.03548**	**.49490**	**.48530**	**.48694**
Stddev	.00359	.0414	.00123	.00035	.00110	.00108	.00386	.00801	.00078	.00110	.00136
%RSD	.36605	.93636	.12439	.06978	91.167	.22388	.39391	22.574	.15760	.22635	.27998
#1	.98436	4.3929	.98713	.49752	-.00043	.48195	.97729	.04114	.49545	.48607	.48597
#2	.97928	4.4514	.98540	.49703	-.00198	.48043	.98275	.02982	.49435	.48452	.48790
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		5.0000									
Range		-10.000%									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3642.8**	**61851.**	**4725.1**
Stddev	11.0	100.	3.1
%RSD	.30166	.16176	.06583
#1	3650.5	61781.	4722.9
#2	3635.0	61922.	4727.3

Sample Name: CCB Acquired: 8/26/2011 20:06:42 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.00067**	W **.00645**	F **.01014**	W **.00076**	**-.00009**	**-.00238**	**-.00458**	**-.00043**	**.00026**	**.00014**
Stddev	.00014	.00040	.00127	.00003	.00010	.00008	.00117	.00050	.00002	.00026	.00002
%RSD	61.779	59.998	19.634	.24702	12.583	89.768	49.329	10.890	3.5376	97.279	14.062
#1	-.00033	.00039	.00555	.01016	.00070	-.00003	-.00321	-.00423	-.00044	.00008	.00012
#2	-.00013	.00095	.00734	.01012	.00083	-.00015	-.00155	-.00493	-.00042	.00045	.00015
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00440	.00312	.00058						
Low Limit			-.00440	-.00312	-.00058						

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**-.00296**	**.21764**	F **.00586**	**.00353**	**.00001**	**.00251**	F **1.3407**	**.00004**	**.00434**	**-.00134**
Stddev	.00004	.00124	.02456	.00448	.00232	.00001	.00111	.0059	.00009	.00079	.00096
%RSD	15.200	41.696	11.283	76.555	65.820	172.71	44.213	.43970	231.20	18.282	71.715
#1	.00026	-.00384	.23500	.00269	.00189	.00000	.00173	1.3366	-.00002	.00490	-.00202
#2	.00032	-.00209	.20027	.00903	.00517	.00002	.00330	1.3449	.00010	.00378	-.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.00522				.10000			
Low Limit				-.00522				-.10000			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10044**	F **.00938**	**.00332**	**-.01950**	**.00020**	**.00000**	**.00030**	**-.00009**	**.00002**	**-.00200**	**-.00041**
Stddev	.00655	.00175	.00532	.01095	.00084	.00000	.00016	.00031	.00072	.02123	.00031
%RSD	6.5189	18.651	160.08	56.170	427.07	56.819	55.305	335.31	3521.6	1063.6	75.696
#1	.10506	.00814	-.00044	-.01176	-.00040	.00000	.00041	-.00031	.00053	.01302	-.00019
#2	.09581	.01061	.00709	-.02725	.00079	.00001	.00018	.00013	-.00049	-.01701	-.00064
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00129**	W **.00252**
Stddev	.00018	.00343
%RSD	13.575	136.25
#1	.00117	.00009
#2	.00141	.00494
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3692.3**	**63108.**	**4704.9**
Stddev	3.0	20.	7.0
%RSD	.08177	.03186	.14776
#1	3694.4	63094.	4709.8
#2	3690.1	63122.	4700.0

Sample Name: CCVL946273 Acquired: 8/26/2011 20:09:18 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00977**	**.09572**	**.01669**	**.11059**	**.01054**	**.00101**	W **.12192**	**.18722**	**.00507**	**.01004**	**.01013**
Stddev	.00032	.00148	.00156	.00051	.00008	.00002	.00076	.00184	.00001	.00002	.00004
%RSD	3.3237	1.5461	9.3643	.46524	.80134	1.9828	.62679	.98067	.14068	.22743	.43927
#1	.00954	.09677	.01559	.11095	.01048	.00100	.12138	.18592	.00507	.01002	.01010
#2	.01000	.09467	.01780	.11023	.01060	.00102	.12246	.18852	.00508	.01005	.01016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							20.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01581**	**.08609**	**3.2095**	F **.01361**	**.20647**	**.01026**	**.01940**	F **2.3715**	**.04069**	**2.7917**	**.01007**
Stddev	.00028	.00136	.0173	.00118	.00298	.00007	.00020	.0088	.00015	.0091	.00009
%RSD	1.7960	1.5783	.53798	8.6688	1.4411	.63694	1.0371	.36922	.36309	.32440	.86894
#1	.01561	.08513	3.1973	.01278	.20436	.01021	.01926	2.3653	.04080	2.7982	.01013
#2	.01601	.08705	3.2217	.01445	.20857	.01030	.01954	2.3777	.04059	2.7853	.01000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				.01000				1.0000			
Range				30.000%				30.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10734**	F **.01349**	**.01342**	**.41647**	**.09963**	**.01002**	**.01240**	**.00966**	**.01551**	F **.03746**	**.00919**
Stddev	.00098	.00003	.00114	.00884	.00018	.00001	.00008	.00004	.00077	.00592	.00025
%RSD	.90987	.22888	8.4664	2.1226	.17688	.08713	.65064	.36932	4.9694	15.798	2.6940
#1	.10803	.01351	.01422	.42272	.09975	.01003	.01234	.00963	.01606	.04164	.00902
#2	.10665	.01347	.01261	.41022	.09950	.01001	.01245	.00968	.01497	.03327	.00937
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value		.01000								.06000	
Range		30.000%								-30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02133**	**.01725**
Stddev	.00057	.00075
%RSD	2.6654	4.3745
#1	.02093	.01778
#2	.02174	.01671
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3690.1**	**63304.**	**4750.8**
Stddev	4.8	182.	24.0
%RSD	.12947	.28706	.50435
#1	3686.7	63175.	4733.8
#2	3693.5	63432.	4767.7

Sample Name: 280-19479-j-3-a Acquired: 8/26/2011 20:11:50 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83043 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00117**	**.01676**	**1.0240**	**.05246**	**-.00013**	**-.00127**	**160.53**	**-.00076**	**.00056**
Stddev	.00006	.00076	.00071	.0029	.00020	.00005	.00388	.02	.00009	.00002
%RSD	61.844	65.292	4.2084	.28397	.37906	41.444	306.47	.01245	11.410	3.2404
#1	.00015	.00063	.01726	1.0219	.05260	-.00017	-.00401	160.55	-.00082	.00057
#2	.00006	.00171	.01626	1.0260	.05232	-.00009	.00148	160.52	-.00070	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00444**	**.00262**	**2.3926**	**6.3951**	**.05848**	**167.88**	**.50667**	**.00630**	W **1831.2**	**.01461**
Stddev	.00008	.00015	.0042	.1374	.00191	1.96	.00050	.00008	.2	.00019
%RSD	1.8083	5.6808	.17678	2.1477	3.2581	1.1671	.09837	1.1957	.01323	1.3041
#1	.00438	.00273	2.3956	6.2980	.05982	166.49	.50702	.00635	1831.4	.01448
#2	.00450	.00252	2.3896	6.4923	.05713	169.26	.50632	.00625	1831.1	.01475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06221**	**-.00241**	**173.15**	**.00161**	**-.00120**	**8.2669**	**-.00074**	**1.8353**	**-.00171**	**-.00117**
Stddev	.00167	.00155	.10	.00119	.00096	.0123	.00078	.0026	.00383	.00009
%RSD	2.6768	64.250	.05955	74.314	79.859	.14854	104.79	.14356	223.98	7.6142
#1	.06103	-.00351	173.22	.00076	-.00188	8.2583	-.00129	1.8334	.00100	-.00123
#2	.06339	-.00132	173.08	.00245	-.00052	8.2756	-.00019	1.8372	-.00442	-.00111
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**.02061**	W **-.01200**	**.00459**	**.00452**
Stddev	.00143	.05085	.00005	.00042	.00204
%RSD	92.495	246.73	.38227	9.2016	44.999
#1	.00054	-.01535	-.01204	.00429	.00596
#2	.00256	.05656	-.01197	.00489	.00308
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit			45.000		
Low Limit			-.01000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3263.0**	**53736.**	**4590.3**
Stddev	5.8	.	13.8
%RSD	.17675	.00011	.30064
#1	3258.9	53736.	4600.0
#2	3267.0	53736.	4580.5

Sample Name: 280-19479-j-4-a Acquired: 8/26/2011 20:15:21 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83043 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00017	.00943	.00603	1.0027	.05563	-.00019	-.00140	232.78	-.00086	.00024
Stddev	.00024	.00114	.00199	.0023	.00012	.00010	.00175	.39	.00040	.00019
%RSD	147.66	12.139	32.952	.22811	.21986	52.217	124.37	.16634	46.426	79.937
#1	-.00001	.00862	.00462	1.0043	.05572	-.00026	-.00264	233.06	-.00058	.00038
#2	.00034	.01024	.00743	1.0011	.05554	-.00012	-.00017	232.51	-.00115	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.00213	1.6178	5.8270	.04689	150.56	.26343	.00463	W 1459.2	.00055
Stddev	.00007	.00022	.0102	.0154	.00225	.28	.00051	.00017	5.5	.00010
%RSD	262.47	10.398	.63018	.26384	4.7911	.18422	.19436	3.6672	.37896	18.365
#1	-.00002	.00197	1.6250	5.8161	.04530	150.36	.26307	.00451	1463.1	.00063
#2	.00007	.00229	1.6105	5.8379	.04847	150.76	.26379	.00475	1455.3	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06044	-.00282	154.00	.00107	-.00084	9.4708	-.00153	2.4460	-.00238	-.00049
Stddev	.00056	.00053	.44	.00206	.00098	.0187	.00020	.0070	.00089	.00028
%RSD	.92553	18.882	.28357	193.36	116.46	.19776	12.789	.28713	37.590	57.497
#1	.06084	-.00319	154.31	-.00039	-.00015	9.4841	-.00139	2.4510	-.00174	-.00029
#2	.06005	-.00244	153.69	.00252	-.00154	9.4576	-.00166	2.4410	-.00301	-.00069
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00278	-.00986	-.00473	.00155	.00600
Stddev	.00073	.01139	.00055	.00055	.00091
%RSD	26.114	115.43	11.679	35.175	15.195
#1	.00329	-.00181	-.00513	.00117	.00664
#2	.00227	-.01792	-.00434	.00194	.00535
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3251.2	53526.	4611.9
Stddev	10.1	349.	3.0
%RSD	.31095	.65291	.06503
#1	3244.0	53773.	4614.1
#2	3258.3	53279.	4609.8

Sample Name: 280-19479-j-6-a Acquired: 8/26/2011 20:18:46 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83043 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**-.00042**	**.00608**	**.69770**	**.05715**	**-.00014**	**.00117**	**185.12**	**-.00068**	**.00013**
Stddev	.00066	.00048	.00043	.00056	.00004	.00014	.00002	.31	.00022	.00003
%RSD	331.10	114.80	7.0683	.08076	.06943	101.62	1.8768	.16775	32.599	21.846
#1	.00027	-.00008	.00577	.69731	.05712	-.00004	.00119	184.90	-.00084	.00011
#2	-.00067	-.00076	.00638	.69810	.05717	-.00024	.00116	185.34	-.00053	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00180**	**.84071**	**5.6839**	**.03772**	**118.79**	**.09795**	**.00850**	W **687.92**	**.00050**
Stddev	.00001	.00006	.00337	.0645	.00155	.10	.00003	.00054	.21	.00007
%RSD	2.8332	3.1939	.40129	1.1348	4.1156	.08725	.03520	6.3524	.03116	13.914
#1	.00019	.00184	.84310	5.6382	.03663	118.86	.09792	.00812	687.77	.00045
#2	.00020	.00176	.83832	5.7295	.03882	118.72	.09797	.00888	688.07	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05261**	**-.00212**	**101.93**	**-.00010**	**-.00003**	**9.8224**	**-.00039**	**1.9642**	**-.00265**	**-.00093**
Stddev	.00256	.00083	.07	.00057	.00260	.0691	.00132	.0031	.00304	.00002
%RSD	4.8592	39.340	.07271	589.65	7849.8	.70311	341.99	.15549	114.84	1.7378
#1	.05442	-.00271	101.87	-.00050	-.00187	9.7736	-.00132	1.9620	-.00480	-.00094
#2	.05080	-.00153	101.98	.00031	.00181	9.8713	.00055	1.9663	-.00050	-.00092
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00237**	**.01217**	**-.00145**	**.00322**	**.00324**
Stddev	.00047	.02901	.00017	.00066	.00171
%RSD	19.754	238.33	11.895	20.640	52.832
#1	.00270	.03269	-.00133	.00369	.00446
#2	.00204	-.00834	-.00158	.00275	.00203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3335.0**	**56428.**	**4659.5**
Stddev	2.1	332.	12.0
%RSD	.06235	.58773	.25728
#1	3333.5	56662.	4668.0
#2	3336.5	56193.	4651.0

Sample Name: 280-19500-a-1-b Acquired: 8/26/2011 20:22:11 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00017	.00009	.00186	.44992	.01709	-.00026	-.00016	290.74	-.00079	.00243
Stddev	.00060	.00023	.00511	.00048	.00037	.00003	.00094	.51	.00013	.00003
%RSD	352.82	250.76	274.07	.10568	2.1578	13.059	571.23	.17693	16.988	1.1945
#1	-.00025	.00025	.00548	.44959	.01735	-.00023	-.00083	290.38	-.00089	.00241
#2	.00059	-.00007	-.00175	.45026	.01683	-.00028	.00050	291.11	-.00070	.00245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00046	.00240	.02462	2.5865	.07262	29.629	.00606	.00049	446.51	.00111
Stddev	.00001	.00032	.00106	.0390	.00653	.032	.00014	.00003	.88	.00019
%RSD	1.5143	13.350	4.3044	1.5092	8.9972	.10830	2.3038	5.4160	.19639	17.241
#1	.00046	.00218	.02537	2.5589	.06800	29.651	.00596	.00047	447.13	.00097
#2	.00047	.00263	.02387	2.6141	.07724	29.606	.00616	.00051	445.89	.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02420	-.00125	362.58	.00053	.01052	9.9171	-.00119	1.8818	-.00217	.00048
Stddev	.00237	.00021	.15	.00053	.00055	.0236	.00129	.0042	.00264	.00065
%RSD	9.8122	16.943	.04199	100.44	5.2337	.23769	108.09	.22288	121.41	135.95
#1	.02588	-.00140	362.47	.00015	.01091	9.9004	-.00028	1.8848	-.00404	.00002
#2	.02252	-.00110	362.68	.00091	.01013	9.9338	-.00211	1.8789	-.00031	.00094
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00306	.09959	.00133	.00530	.00132
Stddev	.00062	.05169	.00018	.00028	.00044
%RSD	20.411	51.902	13.370	5.3070	33.035
#1	.00350	.13614	.00120	.00510	.00163
#2	.00262	.06304	.00145	.00549	.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3394.9	57186.	4604.3
Stddev	4.5	145.	11.0
%RSD	.13303	.25400	.23783
#1	3391.8	57083.	4596.6
#2	3398.1	57288.	4612.1

Sample Name: CCVH-940568 Acquired: 8/26/2011 20:24:55 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00555**	**46.515**	k **-.00157**	**.00840**	k **.00058**	k **-.00018**	k **.97882**	k **.00922**	k **-.00168**	k **.00201**	k **.00042**
Stddev	.00008	.061	.00004	.00100	.00006	.00003	.00101	.00568	.00003	.00033	.00007
%RSD	1.4558	.13198	2.8582	11.913	11.224	16.090	.10346	61.619	1.7968	16.414	17.029
#1	k -.00560	46.471	k -.00154	.00769	k .00053	k -.00016	k .97954	k .01324	k -.00170	k .00224	k .00037
#2	k -.00549	46.558	k -.00160	.00910	k .00062	k -.00020	k .97811	k .00520	k -.00166	k .00177	k .00047
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None
Value											
Range											

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01421**	kF **44.939**	**.36455**	k **.00415**	k **-.34891**	**-.00030**	**-.00266**	**269.84**	**.00120**	**.00445**	k **.00549**
Stddev	.00043	.063	.01115	.00308	.00192	.00003	.00027	.07	.00015	.00045	.00077
%RSD	2.9908	.14022	3.0588	74.163	.55093	9.7195	9.9990	.02511	12.673	10.172	14.000
#1	k .01451	k 44.894	.35667	k .00197	k -.34755	-.00028	-.00285	269.89	.00130	.00477	k .00603
#2	k .01391	k 44.983	.37244	k .00632	k -.35027	-.00032	-.00247	269.79	.00109	.00413	k .00494
Check ?	None	Chk Fail	None	None	None	None	None	Chk Pass	None	None	None
Value		50.000									
Range		-10.000%									

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0001**	k **-.02127**	k **-.00769**	k **.01323**	k **.00172**	**.00025**	k **5.1163**	k **.03483**	k **-.00434**	k **10.252**	k **-.00677**
Stddev	.0276	.00238	.00251	.01219	.00002	.00002	.0018	.00076	.00107	.042	.00086
%RSD	.55156	11.183	32.603	92.176	1.0035	9.8549	.03429	2.1809	24.677	.41127	12.749
#1	4.9806	k -.01959	k -.00592	k .02185	k .00174	.00024	k 5.1175	k .03536	k -.00510	k 10.222	k -.00738
#2	5.0196	k -.02296	k -.00946	k .00461	k .00171	.00027	k 5.1151	k .03429	k -.00359	k 10.282	k -.00616
Check ?	None	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None
Value											
Range											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	k **.00196**	k **.35952**
Stddev	.00013	.00014
%RSD	6.7481	.03844
#1	k .00186	k .35962
#2	k .00205	k .35942
Check ?	None	None
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3506.6**	**59384.**	**4578.0**
Stddev	3.6	77.	8.9
%RSD	.10405	.13038	.19415
#1	3504.0	59330.	4571.7
#2	3509.2	59439.	4584.3

Sample Name: CCV-940591 Acquired: 8/26/2011 20:27:27 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50061**	**.48780**	**.98057**	**.49717**	**.50614**	**.45948**	**-.00080**	**4.5848**	**.49899**	**.49065**	**.49315**	**.50227**
Stddev	.00115	.00543	.00024	.00054	.00038	.00086	.00102	.0157	.00013	.00049	.00008	.00081
%RSD	.22925	1.1124	.02414	.10929	.07439	.18791	127.15	.34205	.02611	.10038	.01621	.16105
#1	.49980	.49163	.98074	.49678	.50641	.46009	-.00008	4.5959	.49908	.49031	.49309	.50170
#2	.50142	.48396	.98041	.49755	.50588	.45887	-.00152	4.5737	.49889	.49100	.49321	.50284
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.1788**	**50.545**	**1.0332**	**19.493**	**.49115**	**.49408**	F **6.3852**	**.49312**	**.95316**	**.98985**	**.08873**	**.98539**
Stddev	.0067	.076	.0007	.010	.00005	.00134	.0519	.00040	.00033	.00287	.00306	.00890
%RSD	.30615	.15102	.06762	.05168	.01096	.27073	.81224	.08180	.03494	.28972	3.4487	.90309
#1	2.1835	50.599	1.0327	19.486	.49118	.49503	6.4219	.49283	.95292	.99188	.08656	.99168
#2	2.1741	50.491	1.0337	19.500	.49111	.49314	6.3485	.49340	.95339	.98783	.09089	.97910
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value	2.5000						5.0000					
Range	-10.000%						10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98203**	F **4.3639**	**.98306**	**.49851**	**-.00280**	**.48665**	**.99048**	**.03595**	**.49785**	**.48533**	**.48608**
Stddev	.01027	.0288	.00002	.00100	.00076	.00034	.00324	.03724	.00055	.00140	.00087
%RSD	1.0459	.65960	.00233	.20139	27.265	.07025	.32666	103.60	.11067	.28748	.17989
#1	.98929	4.3843	.98308	.49922	-.00226	.48641	.99276	.06228	.49824	.48631	.48546
#2	.97477	4.3436	.98305	.49780	-.00334	.48690	.98819	.00961	.49746	.48434	.48670
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		5.0000									
Range		-10.000%									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3573.1**	**60719.**	**4561.7**
Stddev	1.0	112.	18.5
%RSD	.02687	.18429	.40492
#1	3573.8	60639.	4548.7
#2	3572.4	60798.	4574.8

Sample Name: CCB Acquired: 8/26/2011 20:29:49 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00106**	W **.00603**	F **.00661**	**.00054**	**.00002**	**.00029**	**-.00483**	**-.00045**	**.00031**	**.00004**
Stddev	.00067	.00013	.00190	.00040	.00030	.00004	.00118	.00289	.00001	.00001	.00011
%RSD	510.02	12.179	31.544	6.0609	54.378	210.45	400.83	59.737	1.8976	3.2421	290.55
#1	.00060	.00115	.00738	.00689	.00033	.00004	-.00054	-.00279	-.00044	.00032	-.00004
#2	-.00034	.00097	.00469	.00633	.00075	-.00001	.00113	-.00687	-.00045	.00031	.00011
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00440	.00312							
Low Limit			-.00440	-.00312							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00074**	**-.00229**	**.21099**	F **.00561**	**.00252**	**.00002**	**.00219**	F **1.3616**	**.00000**	**.00108**	**-.00222**
Stddev	.00007	.00145	.07861	.00139	.00237	.00004	.00100	.0056	.00030	.00304	.00079
%RSD	9.2972	63.446	37.258	24.806	93.736	218.70	45.827	.41375	13599.	282.51	35.480
#1	.00069	-.00126	.15541	.00462	.00420	.00005	.00148	1.3576	.00022	-.00107	-.00166
#2	.00079	-.00332	.26658	.00659	.00085	-.00001	.00290	1.3656	-.00021	.00323	-.00278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.00522				.10000			
Low Limit				-.00522				-.10000			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07818**	F **.00894**	**.00433**	**-.00746**	**.00008**	**-.00007**	**-.00135**	**-.00049**	**.00051**	**.00498**	**-.00064**
Stddev	.00173	.00253	.00093	.00271	.00043	.00005	.00192	.00054	.00026	.05744	.00022
%RSD	2.2087	28.319	21.411	36.385	533.90	68.818	142.48	110.03	50.484	1154.2	34.814
#1	.07940	.00715	.00499	-.00937	-.00022	-.00004	-.00271	-.00011	.00069	.04559	-.00080
#2	.07696	.01073	.00368	-.00554	.00038	-.00011	.00001	-.00086	.00033	-.03564	-.00049
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00156**	W **.00361**
Stddev	.00040	.00156
%RSD	25.535	43.092
#1	.00184	.00471
#2	.00127	.00251
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3612.7**	**61864.**	**4564.7**
Stddev	4.6	62.	.3
%RSD	.12700	.10012	.00578
#1	3615.9	61820.	4564.9
#2	3609.4	61908.	4564.5

Sample Name: CCVL946273 Acquired: 8/26/2011 20:32:25 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00985**	**.10004**	F **.02092**	**.10704**	**.01052**	**.00081**	W **.12015**	**.18385**	**.00479**	**.01014**	**.00994**
Stddev	.00008	.00166	.00138	.00002	.00002	.00008	.00149	.00060	.00015	.00006	.00012
%RSD	.77615	1.6578	6.5964	.02215	.17965	9.8033	1.2440	.32904	3.1475	.55549	1.2538
#1	.00990	.09887	.01994	.10705	.01051	.00087	.11909	.18343	.00489	.01010	.00985
#2	.00980	.10122	.02190	.10702	.01053	.00075	.12121	.18428	.00468	.01018	.01003
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500				.10000				
Range			30.000%				20.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01623**	**.08598**	**3.1954**	**.01066**	**.20517**	**.01024**	**.01912**	F **2.2296**	**.04099**	**2.8067**	**.00791**
Stddev	.00035	.00177	.0150	.00235	.00163	.00000	.00055	.0016	.00020	.0016	.00092
%RSD	2.1692	2.0600	.47024	22.052	.79679	.04254	2.8705	.07275	.49876	.05851	11.638
#1	.01648	.08473	3.1848	.01232	.20633	.01023	.01873	2.2285	.04114	2.8055	.00726
#2	.01598	.08724	3.2060	.00899	.20401	.01024	.01951	2.2308	.04085	2.8078	.00856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value								1.0000			
Range								30.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08094**	F **.01545**	W **.01082**	**.41265**	**.09879**	**.01008**	**.01268**	**.00964**	**.01730**	F **.08101**	**.00934**
Stddev	.00076	.00158	.00461	.00668	.00017	.00033	.00011	.00031	.00144	.03029	.00021
%RSD	.93526	10.239	42.564	1.6196	.17316	3.2574	.84852	3.2108	8.3145	37.392	2.2189
#1	.08147	.01433	.01408	.41738	.09867	.01031	.01276	.00942	.01832	.05959	.00919
#2	.08040	.01656	.00757	.40792	.09891	.00985	.01261	.00985	.01629	.10243	.00949
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value		.01000	.01500							.06000	
Range		30.000%	-20.000%							30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02145**	**.01712**
Stddev	.00039	.00044
%RSD	1.8057	2.5644
#1	.02172	.01743
#2	.02117	.01681
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3608.5**	**61846.**	**4576.1**
Stddev	.6	122.	6.8
%RSD	.01531	.19678	.14934
#1	3608.9	61760.	4581.0
#2	3608.1	61932.	4571.3

Sample Name: mb 280-82954/1-a Acquired: 8/26/2011 20:34:59 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82954 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00253**	**.00358**	F **.00635**	W **.00062**	**.00006**	**-.00024**	**.00041**	**-.00044**	**.00026**
Stddev	.00029	.00051	.00084	.00026	.00038	.00000	.00199	.00060	.00011	.00001
%RSD	441.50	19.996	23.593	4.0847	60.866	.17675	844.63	148.06	25.749	4.6158
#1	-.00014	.00289	.00298	.00653	.00035	.00006	-.00164	-.00002	-.00052	.00027
#2	.00027	.00217	.00417	.00616	.00089	.00006	.00117	.00083	-.00036	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00343	.00058					
Low Limit				-.00343	-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00018**	**.00347**	**.16201**	**.00200**	**.00223**	**.00016**	**-.00039**	F **1.1865**	**.00014**
Stddev	.00010	.00024	.00007	.02226	.00022	.00049	.00003	.00034	.0248	.00005
%RSD	777.01	131.00	2.1063	13.737	11.150	21.984	16.171	87.115	2.0872	36.001
#1	-.00008	.00001	.00342	.17774	.00216	.00188	.00014	-.00063	1.1690	.00011
#2	.00006	.00035	.00352	.14627	.00184	.00257	.00018	-.00015	1.2041	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									.20152	
Low Limit									-.20152	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00207**	**-.00209**	**.07685**	**.00111**	**-.00247**	**-.00139**	**-.00010**	**-.00005**	**-.00082**	**-.00024**
Stddev	.00044	.00042	.00521	.00181	.00309	.00288	.00044	.00011	.00015	.00010
%RSD	21.319	19.887	6.7771	162.38	124.91	207.90	432.16	225.38	18.570	41.424
#1	.00176	-.00179	.07317	.00239	-.00029	.00065	-.00041	-.00012	-.00093	-.00031
#2	.00239	-.00238	.08053	-.00016	-.00465	-.00343	.00021	.00003	-.00071	-.00017
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00098**	**.00781**	**-.00049**	**.00147**	**.00160**
Stddev	.00099	.00222	.00026	.00016	.00182
%RSD	100.36	28.362	54.571	10.724	113.77
#1	-.00168	.00625	-.00067	.00136	.00289
#2	-.00029	.00938	-.00030	.00158	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3641.8**	**62719.**	**4597.7**
Stddev	3.4	112.	26.9
%RSD	.09473	.17819	.58448
#1	3639.3	62798.	4616.7
#2	3644.2	62640.	4578.7

Sample Name: lcs 280-82954/2-a Acquired: 8/26/2011 20:37:35 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82954 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04817**	**1.8266**	**1.0051**	**.99356**	**2.0597**	**.04681**	F **2.3059**	**46.016**	**.10575**	**.48696**
Stddev	.00088	.0130	.0002	.00041	.0008	.00013	.0001	.016	.00014	.00022
%RSD	1.8239	.71233	.02283	.04149	.04066	.28612	.00643	.03570	.13491	.04585
#1	.04755	1.8358	1.0053	.99386	2.0603	.04690	2.3060	46.005	.10564	.48712
#2	.04879	1.8174	1.0050	.99327	2.0591	.04671	2.3058	46.028	.10585	.48680
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20004**	**.25122**	F **.87412**	**51.918**	**1.0536**	**49.066**	**.49395**	**1.0053**	**55.548**	**.48752**
Stddev	.00006	.00047	.00335	.037	.0048	.022	.00025	.0017	.474	.00018
%RSD	.02960	.18807	.38372	.07217	.45773	.04492	.04986	.16478	.85246	.03660
#1	.20008	.25089	.87175	51.892	1.0502	49.082	.49413	1.0065	55.214	.48739
#2	.20000	.25155	.87649	51.945	1.0570	49.051	.49378	1.0041	55.883	.48765
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			1.1400							
Low Limit			.88000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8441**	**.49382**	**.05788**	**.51049**	**2.0087**	F **8.7555**	**1.9776**	**1.0178**	**.97673**	**.99728**
Stddev	.0150	.00102	.00292	.00173	.0004	.0636	.0049	.0001	.00188	.00015
%RSD	.15235	.20689	5.0416	.33805	.02117	.72686	.24669	.00446	.19282	.01519
#1	9.8547	.49454	.05995	.51171	2.0090	8.7105	1.9810	1.0177	.97806	.99739
#2	9.8335	.49310	.05582	.50927	2.0084	8.8005	1.9741	1.0178	.97540	.99717
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500				
Low Limit						9.4000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9594**	**2.1070**	**.50709**	**.48857**	**.50553**
Stddev	.0009	.0285	.00114	.00185	.00452
%RSD	.04399	1.3542	.22476	.37885	.89432
#1	1.9588	2.0868	.50628	.48988	.50233
#2	1.9600	2.1272	.50789	.48727	.50872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3506.7**	**59124.**	**4564.3**
Stddev	2.1	265.	32.8
%RSD	.05907	.44789	.71930
#1	3505.2	58937.	4587.5
#2	3508.1	59312.	4541.1

Sample Name: 280-19416-b-1-d Acquired: 8/26/2011 20:39:55 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82954 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**42.262**	**.00949**	**.03387**	**.57628**	**.00231**	**.00119**	**16.734**	**.00095**	**.01399**
Stddev	.00004	.162	.00124	.00079	.00259	.00008	.00201	.073	.00011	.00006
%RSD	13.767	.38387	13.069	2.3350	.44887	3.6561	169.06	.43847	11.332	.43536
#1	.00030	42.377	.00862	.03443	.57811	.00237	.00260	16.786	.00103	.01395
#2	.00025	42.147	.01037	.03332	.57445	.00225	-.00023	16.682	.00087	.01403
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03223**	**.05552**	**33.425**	**15.581**	**.02724**	**9.9416**	**.41365**	**.00477**	**4.7973**	**.02447**
Stddev	.00018	.00022	.194	.074	.00306	.0220	.00078	.00141	.0528	.00032
%RSD	.55636	.40090	.58177	.47671	11.248	.22133	.18925	29.521	1.1013	1.3266
#1	.03236	.05568	33.563	15.634	.02507	9.9260	.41310	.00377	4.8347	.02424
#2	.03210	.05536	33.288	15.529	.02941	9.9572	.41420	.00576	4.7600	.02470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.56750**	**.03417**	**3.8949**	**-.00204**	**.00867**	**47.816**	**.00273**	**.31143**	**.01751**	**.14339**
Stddev	.00100	.00036	.0105	.00041	.00114	.331	.00093	.00166	.00045	.00090
%RSD	.17635	1.0535	.27017	20.313	13.194	.69275	33.839	.53442	2.5677	.62748
#1	.56679	.03443	3.8875	-.00175	.00786	48.050	.00208	.31261	.01719	.14275
#2	.56820	.03392	3.9024	-.00233	.00948	47.582	.00339	.31025	.01783	.14403
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.01859**	**.06117**	**.16824**	**.00638**
Stddev	.00221	.01845	.00006	.00005	.00130
%RSD	2586.7	99.253	.09844	.03108	20.296
#1	-.00148	.03163	.06121	.16820	.00547
#2	.00165	.00554	.06113	.16828	.00730
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3682.4**	**61813.**	**4766.8**
Stddev	1.3	225.	13.6
%RSD	.03530	.36375	.28482
#1	3683.3	61972.	4757.2
#2	3681.5	61654.	4776.4

Sample Name: 280-19416-b-2-b Acquired: 8/26/2011 20:42:23 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82954 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**27.484**	**.00336**	**.02843**	**.34832**	**.00153**	**-.00155**	**7.1418**	**.00052**	**.01063**
Stddev	.00025	.005	.00067	.00066	.00069	.00004	.00104	.0058	.00017	.00015
%RSD	363.47	.01800	20.014	2.3382	.19876	2.7079	67.299	.08118	33.141	1.3844
#1	.00011	27.487	.00384	.02796	.34783	.00150	-.00228	7.1459	.00040	.01053
#2	-.00024	27.480	.00289	.02890	.34881	.00156	-.00081	7.1377	.00065	.01073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02022**	**.03051**	**22.126**	**14.861**	**.01985**	**4.9057**	**.47739**	**.00050**	**1.0247**	**.01464**
Stddev	.00011	.00012	.019	.032	.00163	.0029	.00017	.00020	.0217	.00028
%RSD	.54775	.38120	.08713	.21275	8.2104	.05808	.03479	40.785	2.1215	1.9292
#1	.02030	.03042	22.113	14.883	.02100	4.9077	.47750	.00035	1.0401	.01444
#2	.02014	.03059	22.140	14.839	.01870	4.9037	.47727	.00064	1.0093	.01484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.92456**	**.02376**	**.61869**	**-.00261**	**-.00124**	**35.733**	**.00083**	**.10154**	**.00686**	**.15674**
Stddev	.00161	.00068	.00922	.00168	.00114	.101	.00014	.00010	.00061	.00010
%RSD	.17428	2.8648	1.4909	64.501	92.322	.28244	17.179	.09670	8.9276	.06589
#1	.92342	.02328	.61216	-.00142	-.00205	35.661	.00073	.10147	.00642	.15682
#2	.92570	.02424	.62521	-.00380	-.00043	35.804	.00093	.10161	.00729	.15667
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.03482**	**.03522**	**.11419**	**.00634**
Stddev	.00240	.03276	.00042	.00050	.00020
%RSD	761.98	94.086	1.2035	.43604	3.2174
#1	.00201	.05799	.03552	.11383	.00619
#2	-.00138	.01166	.03492	.11454	.00648
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3675.4**	**61736.**	**4744.8**
Stddev	1.8	53.	38.3
%RSD	.04843	.08593	.80688
#1	3674.1	61699.	4771.9
#2	3676.7	61774.	4717.7

Sample Name: 280-19416-b-2-bSD@5 Acquired: 8/26/2011 20:44:54 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82954 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**5.8324**	**.00344**	**.01012**	**.07153**	**.00024**	**-.00169**	**1.4713**	**-.00022**	**.00250**
Stddev	.00006	.0121	.00317	.00017	.00001	.00007	.00050	.0014	.00001	.00008
%RSD	33.102	.20687	92.344	1.6717	.01607	30.368	29.276	.09841	4.1883	3.2146
#1	-.00024	5.8409	.00568	.01000	.07153	.00030	-.00134	1.4724	-.00021	.00256
#2	-.00015	5.8238	.00119	.01024	.07154	.00019	-.00204	1.4703	-.00022	.00245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00395**	**.00688**	**4.5663**	**3.1446**	**.00408**	**1.0182**	**.09751**	**-.00043**	**.79867**	**.00318**
Stddev	.00015	.00017	.0222	.0331	.00273	.0021	.00023	.00025	.00460	.00032
%RSD	3.9092	2.4687	.48690	1.0541	66.957	.20856	.23346	57.699	.57604	10.168
#1	.00406	.00676	4.5820	3.1211	.00215	1.0167	.09735	-.00060	.79542	.00341
#2	.00384	.00700	4.5506	3.1680	.00601	1.0197	.09767	-.00025	.80193	.00295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18638**	**.00537**	**.15774**	**-.00057**	**-.00173**	**7.3974**	**-.00049**	**.02053**	**.00017**	**.03302**
Stddev	.00346	.00065	.00067	.00093	.00400	.0409	.00043	.00001	.00055	.00034
%RSD	1.8578	12.067	.42637	162.41	231.39	.55246	87.718	.06423	316.03	1.0356
#1	.18393	.00583	.15822	-.00123	-.00456	7.4263	-.00079	.02054	.00056	.03278
#2	.18883	.00491	.15727	.00008	.00110	7.3685	-.00019	.02052	-.00022	.03326
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00181**	**.01726**	**.00653**	**.02703**	**.00251**
Stddev	.00010	.03740	.00001	.00029	.00135
%RSD	5.6582	216.73	.17705	1.0783	53.637
#1	.00173	-.00919	.00654	.02683	.00156
#2	.00188	.04370	.00652	.02724	.00347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3693.5**	**62280.**	**4624.8**
Stddev	4.3	156.	2.9
%RSD	.11671	.25123	.06278
#1	3690.4	62170.	4622.7
#2	3696.5	62391.	4626.8

Sample Name: 280-19416-b-2-c ms Acquired: 8/26/2011 20:47:43 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82954 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04881**	**61.607**	**1.0008**	**1.0037**	**2.4547**	**.04769**	**2.3067**	**53.259**	**.10646**	**.49517**
Stddev	.00023	.093	.0042	.0006	.0086	.00005	.0021	.129	.00002	.00039
%RSD	.47173	.15081	.42218	.06166	.35182	.10578	.08947	.24223	.01590	.07884
#1	.04897	61.541	.99780	1.0032	2.4486	.04765	2.3052	53.167	.10645	.49490
#2	.04865	61.673	1.0038	1.0041	2.4608	.04772	2.3082	53.350	.10648	.49545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23264**	**.28634**	**26.196**	**71.995**	**1.0841**	**55.784**	**.97136**	**.97783**	**56.091**	**.50176**
Stddev	.00008	.00024	.082	.189	.0076	.026	.00012	.00093	.568	.00016
%RSD	.03614	.08483	.31461	.26239	.70291	.04744	.01271	.09497	1.0130	.03234
#1	.23270	.28617	26.138	71.861	1.0787	55.765	.97145	.97718	55.689	.50188
#2	.23258	.28651	26.254	72.128	1.0895	55.802	.97127	.97849	56.493	.50165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.497**	**.51541**	**.61334**	**.43029**	**2.0044**	W **66.227**	**1.8911**	**1.1314**	**.95466**	**1.2088**
Stddev	.014	.00143	.00939	.00208	.0064	.164	.0076	.0029	.00075	.0004
%RSD	.12966	.27808	1.5310	.48305	.32085	.24692	.40261	.25572	.07908	.03473
#1	10.507	.51643	.60670	.42882	1.9999	66.342	1.8857	1.1293	.95519	1.2085
#2	10.488	.51440	.61998	.43176	2.0090	66.111	1.8965	1.1334	.95413	1.2091
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						50.000				
Low Limit						-.10000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9140**	**2.1474**	**.57554**	**.60525**	**.46023**
Stddev	.0018	.0362	.00033	.00097	.00145
%RSD	.09335	1.6832	.05679	.16079	.31421
#1	1.9127	2.1218	.57531	.60593	.45921
#2	1.9153	2.1730	.57577	.60456	.46126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3560.3**	**59910.**	**4641.7**
Stddev	2.2	88.	21.0
%RSD	.06140	.14750	.45327
#1	3558.7	59972.	4656.6
#2	3561.8	59847.	4626.8

Sample Name: 280-19416-b-2-d msd Acquired: 8/26/2011 20:50:00 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82954 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04889**	**62.049**	**1.0117**	**1.0090**	**2.4741**	**.04840**	**2.3128**	**53.623**	**.10721**	**.49646**
Stddev	.00001	.225	.0003	.0001	.0101	.00035	.0006	.236	.00042	.00075
%RSD	.02027	.36290	.03372	.00837	.40969	.72525	.02594	.44058	.38815	.15143
#1	.04889	61.890	1.0115	1.0090	2.4669	.04815	2.3132	53.456	.10692	.49699
#2	.04890	62.208	1.0120	1.0091	2.4812	.04865	2.3124	53.790	.10750	.49593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23442**	**.28919**	**26.330**	**72.437**	**1.1000**	**56.262**	**.98026**	**.99006**	**56.355**	**.50620**
Stddev	.00031	.00039	.113	.288	.0005	.083	.00062	.00091	.288	.00006
%RSD	.13196	.13584	.43087	.39737	.04255	.14772	.06335	.09241	.51112	.01099
#1	.23420	.28947	26.249	72.234	1.1003	56.321	.98070	.98942	56.151	.50624
#2	.23464	.28891	26.410	72.641	1.0997	56.204	.97982	.99071	56.559	.50616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.550**	**.51989**	**.60350**	**.43429**	**2.0187**	W **70.131**	**1.9141**	**1.1420**	**.96202**	**1.2392**
Stddev	.014	.00162	.00417	.00132	.0125	.119	.0014	.0046	.00196	.0007
%RSD	.13446	.31230	.69020	.30473	.62027	.16902	.07429	.40637	.20361	.05547
#1	10.560	.51875	.60645	.43335	2.0276	70.047	1.9131	1.1387	.96064	1.2397
#2	10.540	.52104	.60056	.43522	2.0099	70.215	1.9151	1.1453	.96341	1.2387
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						50.000				
Low Limit						-.10000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9239**	**2.1303**	**.58087**	**.60917**	**.47386**
Stddev	.0019	.0369	.00080	.00123	.00115
%RSD	.09892	1.7299	.13855	.20241	.24221
#1	1.9253	2.1563	.58030	.61004	.47305
#2	1.9226	2.1042	.58144	.60829	.47468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3570.2**	**59935.**	**4650.3**
Stddev	.5	136.	15.9
%RSD	.01536	.22661	.34268
#1	3569.8	59839.	4661.6
#2	3570.6	60031.	4639.1

Sample Name: 280-19465-c-1-d Acquired: 8/26/2011 20:52:18 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82954 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.58633**	**.00558**	**.54630**	**1.0631**	**.00007**	**-.00148**	**6.5941**	**-.00014**	**.00125**
Stddev	.00010	.04103	.00169	.00056	.0039	.00001	.00369	.0207	.00000	.00005
%RSD	66.823	6.9973	30.272	.10237	.36869	8.5184	249.37	.31330	1.7219	4.1709
#1	.00008	.55732	.00678	.54670	1.0659	.00007	-.00409	6.6087	-.00015	.00121
#2	.00022	.61534	.00439	.54591	1.0604	.00008	.00113	6.5795	-.00014	.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00137**	**.00357**	**.57824**	**5.2744**	**.64532**	**2.0383**	**.01047**	**.00503**	W **1190.4**	**.00076**
Stddev	.00031	.00072	.00081	.0376	.00128	.0058	.00001	.00187	4.1	.00012
%RSD	22.902	20.194	.13934	.71192	.19901	.28465	.08680	37.092	.34068	15.341
#1	.00114	.00306	.57767	5.2478	.64441	2.0424	.01048	.00371	1193.3	.00068
#2	.00159	.00408	.57881	5.3009	.64623	2.0342	.01046	.00636	1187.6	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07155**	**-.00086**	**.12448**	**-.00088**	**.00902**	**8.1923**	**.00123**	**1.7085**	**-.00159**	**.00945**
Stddev	.00390	.00088	.00168	.00059	.00404	.0647	.00129	.0045	.00012	.00010
%RSD	5.4494	102.32	1.3483	67.615	44.792	.78967	104.79	.26362	7.7631	1.0059
#1	.06880	-.00024	.12329	-.00130	.00617	8.1466	.00032	1.7116	-.00150	.00938
#2	.07431	-.00148	.12566	-.00046	.01188	8.2381	.00214	1.7053	-.00168	.00952
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00278**	**.05729**	**.00142**	**.00430**	**.00482**
Stddev	.00017	.01271	.00024	.00052	.00009
%RSD	6.0120	22.192	16.846	12.151	1.8047
#1	.00266	.04830	.00159	.00393	.00476
#2	.00290	.06628	.00125	.00467	.00489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3356.2**	**55208.**	**4469.4**
Stddev	1.1	108.	8.0
%RSD	.03387	.19587	.18003
#1	3357.0	55132.	4463.7
#2	3355.4	55285.	4475.1

Sample Name: CCVH-940568 Acquired: 8/26/2011 20:55:44 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00581**	**46.284**	k **-.00210**	**.00748**	k **.00084**	k **-.00006**	k **.97822**	k **-.00397**	k **-.00164**	k **.00199**	k **.00039**
Stddev	.00039	.123	.00072	.00029	.00037	.00001	.00098	.00131	.00024	.00011	.00007
%RSD	6.6972	.26629	34.292	3.8925	43.472	13.509	.09974	33.013	14.442	5.5971	18.076
#1	k -.00608	46.197	k -.00159	.00769	k .00110	k -.00006	k .97891	k -.00304	k -.00147	k .00192	k .00034
#2	k -.00553	46.371	k -.00261	.00728	k .00058	k -.00007	k .97753	k -.00490	k -.00181	k .00207	k .00044
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None
Value											
Range											

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01429**	kF **44.845**	**.22166**	k **.00311**	k **-.34859**	**-.00031**	**-.00230**	**271.92**	**.00143**	**.00276**	k **.00510**
Stddev	.00052	.153	.02773	.00027	.00092	.00004	.00013	.03	.00015	.00150	.00003
%RSD	3.6312	.34224	12.509	8.5788	.26472	11.669	5.6389	.01214	10.420	54.400	.55873
#1	k .01393	k 44.737	.20205	k .00292	k -.34794	-.00033	-.00239	271.90	.00132	.00382	k .00512
#2	k .01466	k 44.954	.24126	k .00330	k -.34925	-.00028	-.00221	271.94	.00154	.00170	k .00508
Check ?	None	Chk Fail	None	None	None	None	None	Chk Pass	None	None	None
Value		50.000									
Range		-10.000%									

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9141**	k **-.02065**	k **-.00535**	k **.03465**	k **.00071**	**.00022**	k **5.1184**	k **.03477**	k **-.00417**	k **10.332**	k **-.00716**
Stddev	.0114	.00008	.00301	.02546	.00087	.00001	.0150	.00020	.00255	.013	.00022
%RSD	.23278	.37844	56.352	73.474	122.19	5.9571	.29326	.58838	61.100	.12557	3.0482
#1	4.9222	k -.02059	k -.00747	k .01665	k .00133	.00023	k 5.1078	k .03462	k -.00237	k 10.323	k -.00732
#2	4.9060	k -.02070	k -.00322	k .05265	k .00010	.00021	k 5.1290	k .03491	k -.00598	k 10.341	k -.00701
Check ?	None	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None
Value											
Range											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	k **.00289**	k **.35864**
Stddev	.00025	.00031
%RSD	8.5887	.08760
#1	k .00307	k .35886
#2	k .00272	k .35841
Check ?	None	None
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3516.4**	**59082.**	**4542.9**
Stddev	3.6	56.	7.7
%RSD	.10188	.09517	.16957
#1	3513.8	59043.	4537.5
#2	3518.9	59122.	4548.4

Sample Name: CCV-940591 Acquired: 8/26/2011 20:58:20 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48847**	F **1.1175**	F **.55739**	**.52949**	**.51238**	**.46502**	**-.09264**	**4.6478**	**.50741**	**.48851**	**.47474**	**.49533**
Stddev	.00143	.2833	.13266	.01691	.00119	.00055	.04907	.0026	.00109	.00356	.00454	.00002
%RSD	.29196	25.353	23.800	3.1941	.23195	.11805	52.961	.05677	.21523	.72837	.95729	.00479
#1	.48746	.91720	.65120	.51754	.51322	.46540	-.05795	4.6496	.50663	.48599	.47795	.49535
#2	.48948	1.3179	.46359	.54145	.51154	.46463	-.12734	4.6459	.50818	.49102	.47152	.49531
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000	1.0000									
Range		10.000%	-10.000%									

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.2068**	F **58.151**	F **1.1024**	**19.357**	**.48850**	**.49776**	F **6.3268**	**.48098**	F **.85705**	**.95497**	**1.5595**	F **.84593**
Stddev	.0055	1.684	.0035	.018	.00036	.00260	.0646	.00206	.03533	.00242	.5932	.04974
%RSD	.24781	2.8966	.31491	.09066	.07324	.52142	1.0205	.42863	4.1221	.25345	38.037	5.8797
#1	2.2106	56.960	1.0999	19.344	.48824	.49592	6.2812	.48244	.88203	.95326	1.1400	.88110
#2	2.2029	59.342	1.1048	19.369	.48875	.49960	6.3725	.47952	.83207	.95669	1.9789	.81076
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	None	Chk Fail
Value	2.5000	50.000	1.0000				5.0000		1.0000			1.0000
Range	-10.000%	10.000%	10.000%				10.000%		-10.000%			-10.000%

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95260**	**4.5695**	**1.0322**	**.50179**	**-.00772**	**.48284**	**1.0646**	**.01004**	**.48664**	**.48711**	**.49429**
Stddev	.00511	.0352	.0334	.00098	.00078	.00036	.0426	.00300	.00055	.00348	.00140
%RSD	.53654	.77018	3.2375	.19590	10.061	.07423	4.0008	29.876	.11225	.71398	.28236
#1	.95622	4.5446	1.0086	.50248	-.00826	.48309	1.0345	.01216	.48703	.48465	.49330
#2	.94899	4.5944	1.0559	.50109	-.00717	.48259	1.0948	.00792	.48626	.48957	.49528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3155.5**	**56314.**	**4242.8**
Stddev	32.9	374.	46.6
%RSD	1.0415	.66430	1.0990
#1	3178.7	56578.	4275.7
#2	3132.3	56049.	4209.8

Sample Name: CCB Acquired: 8/26/2011 21:00:39 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00081**	**.00043**	W **.00803**	F **.00515**	**.00043**	**-.00002**	**-.00204**	**-.00064**	**-.00043**	**.00016**	**.00001**
Stddev	.00005	.00150	.00166	.00069	.00043	.00008	.00219	.00027	.00020	.00011	.00028
%RSD	6.3775	353.14	20.614	13.368	101.36	410.79	107.38	43.005	45.742	68.829	2775.7
#1	-.00084	.00149	.00686	.00563	.00074	.00004	-.00358	-.00044	-.00029	.00024	-.00019
#2	-.00077	-.00064	.00920	.00466	.00012	-.00007	-.00049	-.00083	-.00057	.00008	.00021
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00440	.00312							
Low Limit			-.00440	-.00312							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**-.00207**	**.08411**	**.00031**	**.00257**	**.00000**	**.00263**	F **.60584**	**.00045**	**.00167**	**-.00061**
Stddev	.00047	.00324	.01324	.00141	.00011	.00005	.00110	.00915	.00022	.00204	.00023
%RSD	376.68	156.73	15.736	452.42	4.1771	5745.5	41.975	1.5099	47.777	122.35	37.407
#1	.00046	-.00435	.07475	-.00069	.00249	.00004	.00185	.59937	.00061	.00022	-.00077
#2	-.00021	.00022	.09347	.00131	.00265	-.00003	.00341	.61231	.00030	.00311	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.10000			
Low Limit								-.10000			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02997**	F **.00968**	W **.00556**	**.03224**	**.00029**	**.00007**	**.00017**	**-.00002**	**.00145**	**-.01740**	**-.00053**
Stddev	.00145	.00206	.00376	.00358	.00008	.00017	.00142	.00023	.00117	.02561	.00020
%RSD	4.8541	21.328	67.707	11.093	27.734	239.86	836.77	1033.7	81.135	147.17	38.024
#1	.03099	.00822	.00821	.03477	.00035	.00019	-.00083	-.00018	.00062	.00071	-.00067
#2	.02894	.01114	.00290	.02971	.00024	-.00005	.00117	.00014	.00228	-.03551	-.00039
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00121**	W **.00310**
Stddev	.00004	.00083
%RSD	2.8988	26.745
#1	.00124	.00369
#2	.00119	.00252
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3660.4**	**62444.**	**4575.1**
Stddev	1.2	171.	8.9
%RSD	.03228	.27322	.19351
#1	3659.6	62565.	4581.4
#2	3661.3	62324.	4568.9

Sample Name: CCVL946273 Acquired: 8/26/2011 21:03:17 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01019**	**.10001**	F **.02113**	**.10629**	**.01087**	**.00096**	**.11965**	**.17594**	**.00488**	**.01029**	**.00986**
Stddev	.00026	.00069	.00013	.00049	.00041	.00007	.00269	.00082	.00000	.00018	.00010
%RSD	2.5286	.69410	.63248	.46516	3.7767	7.2536	2.2480	.46443	.04499	1.7671	1.0428
#1	.01037	.10050	.02103	.10664	.01057	.00101	.11775	.17652	.00488	.01016	.00979
#2	.01000	.09952	.02122	.10594	.01116	.00091	.12155	.17537	.00488	.01041	.00993
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500								
Range			30.000%								

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01588**	**.08907**	**3.1051**	F **.01309**	**.20726**	**.01032**	**.01928**	F **1.6948**	**.04070**	**2.8263**	**.00801**
Stddev	.00030	.00123	.0039	.00051	.00124	.00001	.00011	.0274	.00028	.0029	.00015
%RSD	1.8804	1.3853	.12583	3.9224	.59853	.06192	.58942	1.6169	.69852	.10113	1.9298
#1	.01566	.08820	3.1023	.01273	.20638	.01033	.01936	1.7141	.04050	2.8243	.00790
#2	.01609	.08994	3.1078	.01346	.20814	.01032	.01920	1.6754	.04090	2.8283	.00812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				.01000				1.0000			
Range				30.000%				30.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03632**	F **.01488**	W **.01166**	**.44168**	**.10030**	**.01033**	**.01327**	**.00943**	**.01511**	W **.07586**	**.00952**
Stddev	.00091	.00087	.00299	.00341	.00000	.00005	.00003	.00013	.00090	.01952	.00025
%RSD	2.4977	5.8480	25.618	.77242	.00411	.51944	.25355	1.4151	5.9722	25.728	2.5963
#1	.03696	.01549	.01377	.44409	.10030	.01030	.01325	.00953	.01447	.06206	.00935
#2	.03568	.01426	.00955	.43926	.10030	.01037	.01330	.00934	.01574	.08966	.00969
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value		.01000	.01500							.06000	
Range		30.000%	-20.000%							20.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02168**	W **.01882**
Stddev	.00010	.00081
%RSD	.48076	4.2834
#1	.02175	.01939
#2	.02161	.01825
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3671.1**	**62017.**	**4593.2**
Stddev	10.0	169.	14.1
%RSD	.27243	.27181	.30596
#1	3664.0	61898.	4603.1
#2	3678.2	62136.	4583.2

Sample Name: 280-19465-c-2-b Acquired: 8/26/2011 21:05:51 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82954 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00085	.08393	.00681	.67985	2.1625	.00009	-.00046	12.882	-.00070	.00221
Stddev	.00047	.00089	.00227	.00009	.0017	.00002	.00249	.018	.00057	.00002
%RSD	56.119	1.0559	33.317	.01269	.08013	27.134	544.13	.14327	81.507	.82317
#1	-.00118	.08455	.00841	.67979	2.1613	.00007	.00131	12.895	-.00110	.00222
#2	-.00051	.08330	.00520	.67991	2.1637	.00011	-.00222	12.869	-.00029	.00220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01719	.03694	2.4768	6.2722	.77365	3.5355	.08637	.00194	W 1396.9	.01501
Stddev	.00029	.00017	.0083	.0947	.00216	.0274	.00073	.00026	1.5	.00051
%RSD	1.7138	.46416	.33490	1.5105	.27982	.77399	.83992	13.624	.10471	3.4169
#1	.01740	.03707	2.4827	6.2052	.77212	3.5549	.08689	.00176	1398.0	.01537
#2	.01698	.03682	2.4709	6.3392	.77518	3.5162	.08586	.00213	1395.9	.01465
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05972	-.00004	.14287	.00209	-.00310	7.3902	-.00010	2.9428	.00003	.00403
Stddev	.00115	.00193	.00051	.00056	.00357	.0358	.00052	.0012	.00106	.00063
%RSD	1.9201	5142.1	.36000	26.854	115.24	.48426	526.52	.04083	4127.3	15.761
#1	.05891	.00133	.14251	.00169	-.00057	7.3649	-.00047	2.9436	-.00073	.00358
#2	.06053	-.00140	.14324	.00248	-.00562	7.4155	.00027	2.9419	.00078	.00447
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00322	.04159	.00292	.16425	.00346
Stddev	.00280	.00066	.00019	.00057	.00384
%RSD	86.856	1.5889	6.3442	.34641	110.82
#1	.00124	.04206	.00305	.16466	.00075
#2	.00520	.04113	.00279	.16385	.00618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3361.7	54726.	4483.4
Stddev	7.3	318.	11.1
%RSD	.21584	.58079	.24788
#1	3356.6	54501.	4491.3
#2	3366.8	54951.	4475.5

Sample Name: 280-19465-c-2-c ms Acquired: 8/26/2011 21:09:16 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82954 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05159**	**1.8575**	**1.0532**	**1.6318**	**4.2349**	**.04696**	**2.2739**	**59.121**	**.10841**	**.48287**
Stddev	.00000	.0184	.0021	.0024	.0087	.00002	.0049	.207	.00036	.00026
%RSD	.00407	.99287	.20024	.14472	.20619	.03912	.21630	.35054	.33250	.05460
#1	.05159	1.8705	1.0518	1.6335	4.2411	.04697	2.2774	59.268	.10866	.48269
#2	.05159	1.8444	1.0547	1.6301	4.2287	.04694	2.2704	58.975	.10815	.48306
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21453**	**.28489**	**3.3130**	**62.812**	**1.8680**	**51.518**	**.58696**	**1.0125**	W **1441.5**	**.49963**
Stddev	.00040	.00071	.0084	.164	.0009	.078	.00063	.0025	2.0	.00082
%RSD	.18647	.24833	.25250	.26142	.05010	.15094	.10807	.25014	.14173	.16355
#1	.21481	.28439	3.3189	62.928	1.8686	51.463	.58651	1.0143	1443.0	.50021
#2	.21425	.28539	3.3071	62.695	1.8673	51.573	.58741	1.0107	1440.1	.49905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.391**	**.48520**	**.11484**	**.50820**	**2.0703**	**16.279**	**1.9463**	**3.9545**	**.99454**	**1.0131**
Stddev	.014	.00166	.00888	.00327	.0162	.060	.0047	.0076	.00315	.0016
%RSD	.13709	.34281	7.7357	.64441	.78190	.36735	.24419	.19112	.31716	.16026
#1	10.401	.48637	.12112	.50588	2.0817	16.321	1.9497	3.9599	.99231	1.0119
#2	10.381	.48402	.10856	.51051	2.0589	16.237	1.9430	3.9492	.99677	1.0142
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.7842**	**2.0858**	**.52387**	**.63273**	**.50924**
Stddev	.0019	.0033	.00023	.00025	.00348
%RSD	.10360	.15624	.04455	.03956	.68283
#1	1.7829	2.0835	.52371	.63255	.51170
#2	1.7855	2.0881	.52404	.63290	.50678
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3324.4**	**54385.**	**4481.0**
Stddev	2.2	60.	21.1
%RSD	.06627	.11040	.47110
#1	3326.0	54427.	4466.0
#2	3322.9	54342.	4495.9

Sample Name: 280-19465-c-2-d msd Acquired: 8/26/2011 21:12:29 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82954 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05038**	**1.8080**	**1.0343**	**1.6064**	**4.1814**	**.04612**	**2.2295**	**57.786**	**.10672**	**.47383**
Stddev	.00120	.0133	.0054	.0031	.0050	.00015	.0003	.141	.00064	.00005
%RSD	2.3734	.73261	.52600	.18985	.12065	.31839	.01449	.24470	.60295	.01154
#1	.05122	1.8174	1.0305	1.6042	4.1850	.04622	2.2297	57.886	.10717	.47387
#2	.04953	1.7987	1.0382	1.6085	4.1779	.04602	2.2293	57.686	.10626	.47380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21127**	**.28195**	**3.2314**	**61.496**	**1.8562**	**50.724**	**.57720**	**.99601**	W **1426.1**	**.49175**
Stddev	.00017	.00147	.0111	.071	.0031	.068	.00077	.00055	.0	.00046
%RSD	.08064	.52029	.34450	.11502	.16796	.13322	.13348	.05525	.00008	.09259
#1	.21139	.28298	3.2235	61.546	1.8540	50.772	.57775	.99562	1426.1	.49207
#2	.21115	.28091	3.2393	61.446	1.8584	50.676	.57666	.99640	1426.1	.49142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.165**	**.47507**	**.11670**	**.50244**	**2.0362**	**15.917**	**1.9019**	**3.9017**	**.97858**	**.99823**
Stddev	.003	.00037	.00626	.00224	.0018	.002	.0029	.0017	.00061	.00085
%RSD	.02460	.07771	5.3627	.44614	.08969	.01111	.15000	.04376	.06187	.08469
#1	10.163	.47533	.11228	.50085	2.0349	15.919	1.8999	3.9029	.97901	.99883
#2	10.167	.47481	.12113	.50402	2.0375	15.916	1.9039	3.9005	.97815	.99763
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.7449**	**2.0822**	**.51752**	**.61812**	**.49297**
Stddev	.0046	.0318	.00146	.00127	.00254
%RSD	.26338	1.5284	.28116	.20597	.51602
#1	1.7417	2.0597	.51855	.61722	.49117
#2	1.7482	2.1047	.51650	.61902	.49477
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3341.6**	**54428.**	**4497.8**
Stddev	2.9	26.	.0
%RSD	.08634	.04803	.00025
#1	3343.7	54446.	4497.8
#2	3339.6	54409.	4497.8

Sample Name: 280-19465-c-3-b Acquired: 8/26/2011 21:15:42 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82954 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.05996**	**.00397**	**.74967**	**2.4941**	**.00006**	**-.00144**	**11.580**	**-.00054**	**.00115**
Stddev	.00061	.00010	.00402	.00180	.0037	.00000	.00257	.003	.00026	.00001
%RSD	1148.5	.16489	101.31	.24034	.14767	3.9931	177.93	.02191	47.696	1.2404
#1	.00049	.06003	.00681	.75094	2.4915	.00005	.00037	11.582	-.00072	.00114
#2	-.00038	.05989	.00113	.74839	2.4968	.00006	-.00326	11.578	-.00036	.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00224**	**1.1397**	**7.5082**	**.88358**	**3.7198**	**.02064**	**.00130**	W **1533.4**	**.00108**
Stddev	.00018	.00004	.0036	.0329	.00291	.0146	.00008	.00025	2.1	.00002
%RSD	36.814	1.9277	.31249	.43858	.32928	.39220	.38120	19.161	.13399	2.2376
#1	.00037	.00227	1.1372	7.4849	.88152	3.7301	.02070	.00112	1531.9	.00110
#2	.00063	.00221	1.1422	7.5314	.88564	3.7095	.02059	.00147	1534.8	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05300**	**-.00166**	**.09733**	**-.00031**	**-.00144**	**7.8713**	**-.00053**	**3.4550**	**-.00310**	**-.00003**
Stddev	.00124	.00048	.00161	.00169	.00024	.0046	.00037	.0078	.00096	.00073
%RSD	2.3409	29.060	1.6509	545.25	16.372	.05792	68.574	.22527	31.071	2178.3
#1	.05213	-.00201	.09847	-.00150	-.00161	7.8680	-.00079	3.4495	-.00379	-.00055
#2	.05388	-.00132	.09620	.00088	-.00127	7.8745	-.00027	3.4605	-.00242	.00048
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00189**	**.02828**	**-.00017**	**.00574**	**.00459**
Stddev	.00038	.02528	.00074	.00011	.00020
%RSD	20.182	89.409	435.40	1.9949	4.3043
#1	.00216	.04615	.00035	.00582	.00445
#2	.00162	.01040	-.00069	.00566	.00473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3398.1**	**55092.**	**4562.6**
Stddev	5.2	269.	30.5
%RSD	.15249	.48853	.66935
#1	3394.4	54902.	4541.1
#2	3401.7	55282.	4584.2

Sample Name: 280-19465-c-4-b Acquired: 8/26/2011 21:19:08 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82954 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00016	.01627	.00053	.47651	1.2558	.00008	-.00179	6.5844	-.00028	.00108
Stddev	.00065	.00068	.00238	.00072	.0024	.00007	.00030	.0022	.00047	.00031
%RSD	402.18	4.2005	449.85	.15175	.19160	87.101	16.651	.03288	167.79	28.779
#1	.00030	.01675	-.00115	.47702	1.2541	.00013	-.00200	6.5829	.00005	.00086
#2	-.00063	.01578	.00221	.47599	1.2575	.00003	-.00158	6.5859	-.00061	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00309	.01116	3.2413	5.2154	.49513	1.3862	.03625	.00044	W 992.14	.00452
Stddev	.00021	.00040	.0230	.0139	.00377	.0032	.00007	.00009	.92	.00030
%RSD	6.7207	3.5830	.70911	.26714	.76045	.23107	.20239	21.511	.09231	6.7464
#1	.00295	.01088	3.2250	5.2055	.49779	1.3839	.03620	.00050	991.50	.00473
#2	.00324	.01144	3.2576	5.2252	.49247	1.3885	.03630	.00037	992.79	.00430
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03128	-.00059	.11229	-.00196	-.00146	8.7724	.00010	1.2747	-.00122	.00022
Stddev	.00242	.00008	.00597	.00010	.00246	.0311	.00031	.0024	.00204	.00014
%RSD	7.7387	12.717	5.3180	4.8812	168.31	.35478	313.31	.19213	166.88	61.297
#1	.03299	-.00054	.10806	-.00189	.00028	8.7504	-.00012	1.2730	.00022	.00013
#2	.02957	-.00065	.11651	-.00202	-.00320	8.7944	.00032	1.2765	-.00266	.00032
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00234	.01218	-.00121	.00620	.00370
Stddev	.00081	.00538	.00052	.00019	.00007
%RSD	34.447	44.174	43.247	3.0823	1.9304
#1	.00291	.00837	-.00158	.00606	.00375
#2	.00177	.01598	-.00084	.00634	.00365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3418.8	56364.	4652.2
Stddev	10.1	64.	5.4
%RSD	.29426	.11326	.11566
#1	3411.6	56410.	4656.0
#2	3425.9	56319.	4648.4

Sample Name: 280-19465-c-5-b Acquired: 8/26/2011 21:22:34 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82954 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**.20047**	**.00287**	**.09267**	**.35213**	**.00001**	**-.00124**	**2.0063**	**-.00035**	**.00029**
Stddev	.00045	.00446	.00014	.00009	.00011	.00001	.00140	.0013	.00016	.00044
%RSD	124.09	2.2238	4.9081	.09439	.03025	95.778	112.84	.06388	46.087	151.42
#1	-.00004	.20363	.00277	.09261	.35220	.00002	-.00222	2.0072	-.00023	-.00002
#2	-.00068	.19732	.00297	.09273	.35205	.00000	-.00025	2.0054	-.00046	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.00231**	**.29696**	**2.7879**	**.07562**	**.72607**	**.00805**	**-.00058**	W **564.25**	**.00086**
Stddev	.00008	.00029	.00139	.0289	.00180	.00107	.00007	.00005	.33	.00002
%RSD	10.508	12.470	.46712	1.0370	2.3855	.14748	.85503	7.9885	.05769	2.9091
#1	.00068	.00210	.29794	2.8084	.07435	.72531	.00810	-.00054	564.48	.00087
#2	.00079	.00251	.29598	2.7675	.07690	.72682	.00800	-.00061	564.02	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08975**	**-.00038**	**.21929**	**-.00240**	**-.00188**	**5.5684**	**-.00071**	**.37163**	**-.00232**	**.00419**
Stddev	.00058	.00110	.00219	.00085	.00204	.0394	.00046	.00037	.00095	.00027
%RSD	.64093	290.47	.99910	35.182	108.41	.70774	63.937	.09976	41.037	6.5170
#1	.08934	-.00116	.22084	-.00180	-.00044	5.5963	-.00104	.37189	-.00165	.00439
#2	.09015	.00040	.21774	-.00300	-.00333	5.5405	-.00039	.37137	-.00300	.00400
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00140**	**.01530**	**-.00026**	**.00268**	**.00652**
Stddev	.00175	.02731	.00058	.00031	.00055
%RSD	125.10	178.46	225.60	11.395	8.4929
#1	.00263	-.00401	.00015	.00247	.00691
#2	.00016	.03462	-.00066	.00290	.00613
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3461.6**	**57221.**	**4560.8**
Stddev	2.2	83.	19.7
%RSD	.06267	.14473	.43279
#1	3460.0	57280.	4546.9
#2	3463.1	57163.	4574.8

Sample Name: 280-19465-c-6-b Acquired: 8/26/2011 21:26:02 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82954 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.08215**	**.00266**	**.31209**	**.45313**	**.00001**	**-.00293**	**3.0607**	**-.00048**	**.00013**
Stddev	.00037	.00036	.00161	.00066	.00049	.00007	.00173	.0110	.00002	.00035
%RSD	426.54	.43846	60.564	.21208	.10780	648.11	58.877	.36048	4.5775	263.69
#1	-.00017	.08240	.00379	.31256	.45347	-.00004	-.00171	3.0685	-.00050	-.00012
#2	.00035	.08190	.00152	.31162	.45278	.00006	-.00415	3.0529	-.00047	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00147**	**.00248**	**.68650**	**3.2348**	**.22189**	**.73891**	**.01265**	**-.00033**	W **743.88**	**.00097**
Stddev	.00019	.00008	.00351	.0977	.00217	.00342	.00005	.00001	.71	.00040
%RSD	12.632	3.1686	.51158	3.0211	.97700	.46314	.36819	3.9707	.09517	40.663
#1	.00160	.00242	.68898	3.1657	.22342	.74133	.01268	-.00034	744.38	.00125
#2	.00134	.00253	.68401	3.3039	.22036	.73649	.01262	-.00032	743.38	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03137**	**.00116**	**.11391**	**-.00181**	**-.00274**	**8.6599**	**-.00106**	**.76568**	**-.00126**	**.00200**
Stddev	.00241	.00084	.00093	.00023	.00216	.0037	.00032	.00012	.00103	.00012
%RSD	7.6730	72.036	.81251	12.908	78.695	.04294	30.316	.01586	81.504	6.1408
#1	.03307	.00057	.11326	-.00165	-.00122	8.6625	-.00128	.76577	-.00199	.00208
#2	.02967	.00175	.11457	-.00198	-.00427	8.6572	-.00083	.76560	-.00054	.00191
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**-.00966**	**-.00046**	**.00160**	**.00414**
Stddev	.00150	.02845	.00025	.00000	.00036
%RSD	163.22	294.56	55.187	.10132	8.7369
#1	.00198	.01046	-.00064	.00160	.00440
#2	-.00014	-.02978	-.00028	.00160	.00389
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3433.5**	**56537.**	**4511.9**
Stddev	3.7	227.	5.0
%RSD	.10912	.40092	.11101
#1	3430.8	56376.	4508.3
#2	3436.1	56697.	4515.4

Sample Name: CCVH-940568 Acquired: 8/26/2011 21:29:28 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00588**	**46.384**	k **-.00083**	**.00590**	k **.00085**	k **-.00024**	k **.97872**	k **-.00201**	k **-.00175**	k **.00203**	k **.00052**
Stddev	.00053	.161	.00172	.00005	.00000	.00009	.00210	.00187	.00028	.00020	.00001
%RSD	9.0705	.34604	206.24	.90975	.51900	35.355	.21444	93.257	16.119	9.9700	1.4200
#1	k -.00550	46.498	k .00038	.00594	k .00084	k -.00030	k .98021	k -.00333	k -.00195	k .00188	k .00051
#2	k -.00625	46.271	k -.00205	.00586	k .00085	k -.00018	k .97724	k -.00068	k -.00155	k .00217	k .00052
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None
Value											
Range											

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01420**	kF **44.527**	**.32993**	k **.00376**	k **-.35424**	**-.00022**	**-.00270**	F **275.09**	**.00086**	**.00437**	k **.00573**
Stddev	.00009	.350	.06162	.00032	.00052	.00002	.00050	1.41	.00015	.00225	.00107
%RSD	.61205	.78511	18.677	8.4198	.14672	8.8555	18.649	.51096	17.044	51.370	18.642
#1	k .01426	k 44.775	.37350	k .00354	k -.35387	-.00020	-.00235	276.09	.00096	.00278	k .00648
#2	k .01414	k 44.280	.28636	k .00399	k -.35461	-.00023	-.00306	274.10	.00076	.00596	k .00497
Check ?	None	Chk Fail	None	None	None	None	None	Chk Fail	None	None	None
Value		50.000						250.00			
Range		-10.000%						10.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9364**	k **-.02133**	k **-.01300**	k **.01637**	k **.00107**	**.00043**	k **5.1573**	k **.03494**	k **-.00362**	k **10.328**	k **-.00751**
Stddev	.0233	.00185	.00014	.00710	.00061	.00011	.0047	.00031	.00153	.013	.00041
%RSD	.47113	8.6743	1.0806	43.366	56.796	26.504	.09199	.87901	42.396	.12286	5.4070
#1	4.9529	k -.02264	k -.01290	k .01135	k .00064	.00051	k 5.1606	k .03473	k -.00471	k 10.337	k -.00722
#2	4.9200	k -.02002	k -.01310	k .02139	k .00150	.00035	k 5.1539	k .03516	k -.00254	k 10.319	k -.00779
Check ?	None	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None
Value											
Range											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	k **.00206**	k **.36063**
Stddev	.00032	.00563
%RSD	15.491	1.5602
#1	k .00183	k .36461
#2	k .00228	k .35665
Check ?	None	None
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3569.0**	**59921.**	**4539.4**
Stddev	1.7	126.	12.3
%RSD	.04839	.20963	.27038
#1	3570.2	59832.	4548.1
#2	3567.8	60010.	4530.7

Sample Name: CCV-940591 Acquired: 8/26/2011 21:32:03 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49938**	**.49458**	**.99274**	**.49848**	**.51039**	**.45883**	**.00025**	**4.5968**	**.50240**	**.49242**	**.49460**	**.50217**
Stddev	.00061	.00088	.00287	.00113	.00016	.00016	.00301	.0067	.00050	.00081	.00037	.00098
%RSD	.12180	.17762	.28922	.22649	.03192	.03575	1179.9	.14682	.09868	.16363	.07526	.19600
#1	.49982	.49396	.99477	.49927	.51027	.45871	-.00187	4.6016	.50275	.49299	.49486	.50287
#2	.49895	.49520	.99071	.49768	.51050	.45895	.00238	4.5920	.50205	.49185	.49433	.50147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.1557**	**51.537**	**1.0443**	**19.574**	**.49396**	**.49795**	F **6.2320**	**.49683**	**.95897**	**.99791**	**.02568**	**.99064**
Stddev	.0035	.042	.0029	.035	.00029	.00152	.0277	.00005	.00191	.00092	.00898	.00017
%RSD	.16205	.08200	.27659	.17954	.05933	.30532	.44410	.00946	.19928	.09261	34.978	.01672
#1	2.1581	51.507	1.0422	19.599	.49417	.49903	6.2515	.49679	.95762	.99725	.01933	.99076
#2	2.1532	51.566	1.0463	19.550	.49375	.49688	6.2124	.49686	.96032	.99856	.03204	.99052
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value	2.5000						5.0000					
Range	-10.000%						10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98366**	F **4.3825**	**.99137**	**.50220**	**-.00020**	**.48772**	**.98883**	**.00413**	**.49790**	**.49038**	**.48687**
Stddev	.00472	.0423	.00092	.00009	.00064	.00038	.00134	.03836	.00111	.00045	.00004
%RSD	.47963	.96589	.09291	.01845	315.75	.07714	.13558	929.00	.22282	.09122	.00862
#1	.98700	4.3526	.99202	.50214	.00025	.48799	.98978	.03126	.49869	.49069	.48684
#2	.98033	4.4124	.99072	.50227	-.00065	.48746	.98788	-.02300	.49712	.49006	.48690
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		5.0000									
Range		-10.000%									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3609.4**	**61343.**	**4540.8**
Stddev	6.5	60.	3.9
%RSD	.18144	.09816	.08568
#1	3604.8	61300.	4543.6
#2	3614.1	61385.	4538.1

Sample Name: CCB Acquired: 8/26/2011 21:34:26 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00008**	**.00386**	F **.00415**	W **.00079**	**.00003**	**-.00276**	**-.00005**	**-.00038**	**.00018**	**.00001**
Stddev	.00064	.00051	.00063	.00027	.00004	.00005	.00100	.00031	.00007	.00008	.00042
%RSD	258.62	656.31	16.381	6.4125	5.5356	173.40	36.419	631.59	18.529	41.087	3075.7
#1	.00070	-.00029	.00430	.00396	.00082	.00006	-.00205	-.00027	-.00033	.00013	-.00029
#2	-.00020	.00044	.00341	.00434	.00076	-.00001	-.00347	.00017	-.00043	.00024	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00312	.00058						
Low Limit				-.00312	-.00058						

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00086**	**.21916**	W **.00345**	**.00505**	**.00008**	**.00197**	F **1.0156**	**.00017**	**-.00102**	**.00174**
Stddev	.00001	.00225	.08920	.00012	.00386	.00003	.00053	.0059	.00028	.00077	.00003
%RSD	8.9342	262.71	40.701	3.3933	76.357	36.921	26.837	.57587	167.33	75.177	2.0039
#1	.00006	.00073	.28224	.00337	.00778	.00006	.00160	1.0197	.00036	-.00048	.00176
#2	.00007	-.00244	.15609	.00353	.00232	.00010	.00235	1.0114	-.00003	-.00157	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.10000			
Low Limit				-.00261				-.10000			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02662**	F **.00958**	**.00201**	**.00816**	**.00094**	**-.00003**	**-.00270**	**.00001**	**.00038**	**.03170**	**-.00011**
Stddev	.00302	.00338	.00040	.00574	.00008	.00017	.00124	.00022	.00068	.01449	.00049
%RSD	11.336	35.299	20.133	70.360	8.4070	557.30	45.899	3894.5	177.44	45.702	451.60
#1	.02875	.00719	.00172	.00410	.00088	-.00015	-.00183	-.00015	-.00010	.02145	.00024
#2	.02449	.01197	.00230	.01222	.00100	.00009	-.00358	.00016	.00087	.04194	-.00046
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00123**	**.00157**
Stddev	.00039	.00145
%RSD	31.689	92.276
#1	.00096	.00259
#2	.00151	.00054
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3670.0**	**62521.**	**4527.8**
Stddev	4.5	302.	19.1
%RSD	.12223	.48272	.42157
#1	3666.8	62735.	4514.3
#2	3673.2	62308.	4541.3

Sample Name: CCVL946273 Acquired: 8/26/2011 21:37:01 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01028**	**.09896**	**.01606**	**.10550**	**.01097**	**.00084**	**.11985**	**.21862**	**.00489**	**.01050**	**.00999**
Stddev	.00050	.00128	.00190	.00005	.00007	.00003	.00167	.00285	.00002	.00038	.00004
%RSD	4.8502	1.2970	11.828	.04489	.66742	3.0503	1.3964	1.3035	.39821	3.6480	.40206
#1	.01063	.09987	.01472	.10554	.01103	.00086	.12103	.22063	.00487	.01077	.01002
#2	.00993	.09805	.01741	.10547	.01092	.00082	.11866	.21660	.00490	.01022	.00996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01571**	**.08922**	**3.2571**	W **.01209**	**.20702**	**.01029**	**.01948**	F **1.9585**	**.04072**	**2.8173**	**.00961**
Stddev	.00013	.00317	.0099	.00218	.00018	.00002	.00012	.0121	.00053	.0025	.00038
%RSD	.80393	3.5534	.30313	18.012	.08560	.17814	.61138	.61877	1.3079	.08890	3.9108
#1	.01580	.09146	3.2501	.01055	.20715	.01028	.01939	1.9671	.04035	2.8191	.00934
#2	.01562	.08698	3.2641	.01363	.20690	.01030	.01956	1.9499	.04110	2.8155	.00987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				.01000				1.0000			
Range				20.000%				30.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02976**	W **.01294**	**.01389**	**.42441**	**.10038**	**.01031**	W **.01180**	**.00977**	**.01568**	F **.07963**	**.00914**
Stddev	.00074	.00094	.00119	.00949	.00055	.00002	.00036	.00031	.00028	.02542	.00002
%RSD	2.4778	7.2320	8.5758	2.2365	.54991	.15690	3.0131	3.2048	1.8157	31.922	.17839
#1	.03028	.01227	.01305	.41770	.10077	.01032	.01205	.00999	.01548	.06166	.00915
#2	.02924	.01360	.01473	.43113	.09999	.01030	.01155	.00955	.01588	.09760	.00913
Check ?	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value		.01000					.01500			.06000	
Range		20.000%					-20.000%			30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	F **.02956**	W **.01830**
Stddev	.00010	.00086
%RSD	.35119	4.7138
#1	.02963	.01891
#2	.02949	.01769
Check ?	Chk Fail	Chk Warn
Value	.02000	.01500
Range	30.000%	20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3683.6**	**62715.**	**4546.5**
Stddev	17.4	100.	18.0
%RSD	.47150	.15892	.39691
#1	3671.3	62644.	4559.2
#2	3695.9	62785.	4533.7

Sample Name: 280-19465-c-7-b Acquired: 8/26/2011 21:39:34 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82954 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.05147**	**.00118**	**.46645**	**.55247**	**-.00003**	**-.00183**	**5.7939**	**-.00036**	**.00047**
Stddev	.00010	.00320	.00043	.00096	.00102	.00009	.00259	.0095	.00019	.00003
%RSD	40.147	6.2141	36.645	.20516	.18440	355.17	142.03	.16451	51.308	6.3709
#1	-.00031	.04921	.00088	.46577	.55320	-.00009	-.00366	5.8006	-.00049	.00050
#2	-.00017	.05374	.00149	.46713	.55175	.00004	.00001	5.7871	-.00023	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00232**	**.00367**	**1.8532**	**4.5262**	**.29740**	**.83638**	**.03361**	**-.00004**	W **751.06**	**.00131**
Stddev	.00005	.00020	.0001	.0251	.00517	.00045	.00009	.00043	2.15	.00008
%RSD	2.2562	5.3528	.00553	.55437	1.7390	.05370	.27309	951.30	.28601	5.8443
#1	.00228	.00353	1.8533	4.5440	.29374	.83669	.03355	-.00035	752.58	.00125
#2	.00236	.00381	1.8532	4.5085	.30105	.83606	.03368	.00026	749.54	.00136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36578**	**-.00025**	**.15423**	**-.00019**	**.00015**	**9.5068**	**.00005**	**.99545**	**-.00229**	**.00111**
Stddev	.00069	.00088	.00048	.00341	.00041	.0203	.00000	.00219	.00002	.00025
%RSD	.18933	349.82	.30856	1764.1	266.37	.21371	.46890	.22050	.96272	22.507
#1	.36627	.00037	.15389	-.00260	-.00014	9.5212	.00005	.99700	-.00231	.00093
#2	.36529	-.00088	.15456	.00222	.00044	9.4924	.00005	.99389	-.00228	.00128
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00277**	**.00593**	**-.00079**	**.00309**	**.00484**
Stddev	.00116	.02262	.00014	.00029	.00050
%RSD	42.085	381.58	17.914	9.3694	10.253
#1	.00359	-.01007	-.00069	.00289	.00519
#2	.00194	.02192	-.00089	.00330	.00448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3428.6**	**56799.**	**4487.6**
Stddev	1.2	86.	7.9
%RSD	.03363	.15161	.17612
#1	3429.4	56860.	4482.0
#2	3427.8	56738.	4493.2

Sample Name: 280-19465-c-8-b Acquired: 8/26/2011 21:43:01 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82954 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.24831**	**.00028**	**.12737**	**.51368**	**-.00006**	**-.00285**	**2.3608**	**-.00038**	**.00021**
Stddev	.00096	.00316	.00344	.00036	.00266	.00010	.00006	.0167	.00002	.00019
%RSD	1343.9	1.2727	1247.0	.28385	.51787	172.58	2.2512	.70552	4.7086	87.308
#1	.00075	.25054	-.00216	.12763	.51556	-.00013	-.00289	2.3726	-.00040	.00008
#2	-.00061	.24608	.00271	.12712	.51180	.00001	-.00280	2.3490	-.00037	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00293**	**.00318**	**.73651**	**2.9885**	**.08807**	**.64249**	**.01920**	**.00049**	W **618.09**	**.00114**
Stddev	.00004	.00016	.00966	.0086	.00400	.00031	.00002	.00002	2.64	.00011
%RSD	1.2939	5.0708	1.3122	.28863	4.5382	.04895	.09069	3.6906	.42788	9.9720
#1	.00290	.00329	.74335	2.9946	.09090	.64272	.01919	.00048	619.96	.00106
#2	.00296	.00306	.72968	2.9824	.08524	.64227	.01922	.00050	616.22	.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10919**	**-.00113**	**.20304**	**-.00171**	**-.00044**	**6.9891**	**-.00041**	**.37655**	**-.00001**	**.00614**
Stddev	.00363	.00239	.00206	.00095	.00051	.0233	.00035	.00106	.00184	.00018
%RSD	3.3203	210.53	1.0149	55.886	115.78	.33396	87.023	.28135	17583.	2.8912
#1	.10662	.00055	.20159	-.00103	-.00008	7.0056	-.00066	.37730	.00129	.00627
#2	.11175	-.00282	.20450	-.00238	-.00080	6.9726	-.00016	.37581	-.00131	.00602
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00168**	**.02885**	**-.00042**	**.00232**	**.00401**
Stddev	.00044	.04712	.00022	.00023	.00009
%RSD	25.994	163.32	53.451	10.037	2.3201
#1	.00137	-.00447	-.00057	.00216	.00408
#2	.00199	.06217	-.00026	.00249	.00395
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3458.3**	**57316.**	**4540.8**
Stddev	4.2	73.	25.3
%RSD	.12215	.12757	.55812
#1	3461.3	57368.	4522.9
#2	3455.3	57265.	4558.8

Sample Name: 280-19465-c-9-b Acquired: 8/26/2011 21:46:31 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82954 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.02819**	**.00088**	**.14375**	**.42756**	**.00005**	**-.00124**	**2.1618**	**-.00047**	**.00008**
Stddev	.00062	.00000	.00421	.00041	.00161	.00003	.00196	.0118	.00038	.00002
%RSD	739.21	.00477	481.12	.28263	.37765	56.128	158.33	.54726	79.739	19.963
#1	.00052	.02819	.00385	.14347	.42870	.00007	-.00263	2.1701	-.00021	.00009
#2	-.00035	.02819	-.00210	.14404	.42642	.00003	.00015	2.1534	-.00074	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00132**	**.00324**	**.86313**	**2.7845**	**.09065**	**.46590**	**.01881**	**.00024**	W **510.08**	**.00138**
Stddev	.00011	.00037	.00637	.0538	.00096	.00034	.00007	.00005	1.93	.00026
%RSD	8.2686	11.326	.73847	1.9319	1.0619	.07271	.38776	19.227	.37857	19.067
#1	.00124	.00350	.86764	2.8225	.09133	.46614	.01876	.00027	511.44	.00156
#2	.00140	.00298	.85862	2.7464	.08997	.46566	.01887	.00021	508.71	.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02329**	**-.00232**	**.17303**	**-.00079**	**.00017**	**7.2737**	**-.00031**	**.36801**	**-.00215**	**.00021**
Stddev	.00206	.00275	.00635	.00091	.00135	.0132	.00011	.00086	.00201	.00010
%RSD	8.8372	118.38	3.6695	115.85	775.07	.18159	34.110	.23324	93.271	47.439
#1	.02475	-.00427	.16854	-.00143	-.00078	7.2644	-.00038	.36862	-.00358	.00014
#2	.02184	-.00038	.17752	-.00014	.00113	7.2830	-.00023	.36741	-.00073	.00028
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00158**	**.04317**	**-.00056**	**.00276**	**.00573**
Stddev	.00271	.01602	.00085	.00035	.00331
%RSD	171.76	37.110	152.31	12.624	57.806
#1	-.00034	.03184	.00004	.00300	.00807
#2	.00350	.05450	-.00116	.00251	.00339
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3468.4**	**57539.**	**4490.2**
Stddev	1.8	140.	24.7
%RSD	.05067	.24323	.55013
#1	3469.6	57638.	4472.7
#2	3467.2	57440.	4507.7

Sample Name: 280-19465-c-10-b Acquired: 8/26/2011 21:49:58 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82954 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00019	.02195	.00068	.11663	.33155	-.00001	-.00363	2.3691	.00000	.00043
Stddev	.00022	.00048	.00230	.00029	.00004	.00001	.00301	.0053	.00004	.00011
%RSD	114.80	2.1987	338.19	.25088	.01129	98.435	83.103	.22312	1016.1	24.772
#1	.00035	.02161	-.00095	.11684	.33153	-.00001	-.00576	2.3728	-.00003	.00035
#2	.00004	.02230	.00231	.11643	.33158	.00000	-.00150	2.3653	.00003	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00101	.00220	1.1491	2.5730	.07096	.57475	.02071	.00071	425.03	.01419
Stddev	.00017	.00000	.0036	.0370	.00062	.00113	.00007	.00006	.45	.00014
%RSD	16.592	.02125	.31218	1.4394	.87358	.19668	.33016	8.2256	.10480	.99453
#1	.00113	.00220	1.1516	2.5992	.07140	.57395	.02076	.00067	424.71	.01409
#2	.00089	.00220	1.1465	2.5469	.07052	.57555	.02066	.00075	425.34	.01429
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03595	-.00101	.74845	.00269	W -.00503	7.2323	-.00028	.35929	-.00098	.00024
Stddev	.00146	.00018	.00219	.00170	.00157	.0397	.00008	.00015	.00141	.00014
%RSD	4.0690	17.723	.29243	62.992	31.294	.54838	27.930	.04271	144.59	56.766
#1	.03699	-.00114	.74999	.00389	-.00391	7.2042	-.00023	.35918	-.00197	.00034
#2	.03492	-.00089	.74690	.00149	-.00614	7.2603	-.00034	.35939	.00002	.00015
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00157	.04115	-.00076	.00763	.00264
Stddev	.00045	.00241	.00088	.00020	.00401
%RSD	28.324	5.8685	116.02	2.6433	151.84
#1	.00189	.04285	-.00138	.00777	.00547
#2	.00126	.03944	-.00014	.00749	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3495.9	58469.	4503.9
Stddev	10.5	123.	14.7
%RSD	.30084	.21099	.32576
#1	3488.4	58556.	4493.6
#2	3503.3	58382.	4514.3

Sample Name: 280-19465-c-11-b Acquired: 8/26/2011 21:52:38 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82954 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00031	.04521	.00007	.05133	.37601	.00005	-.00243	1.8796	-.00034	.00023
Stddev	.00027	.00070	.00205	.00073	.00102	.00006	.00037	.0066	.00003	.00001
%RSD	85.956	1.5513	2875.9	1.4295	.26998	135.81	15.142	.34973	7.8983	5.3404
#1	-.00050	.04471	-.00138	.05081	.37529	.00000	-.00217	1.8842	-.00032	.00022
#2	-.00012	.04570	.00152	.05185	.37673	.00009	-.00269	1.8749	-.00036	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00085	.00227	.73492	2.3883	.03747	.51095	.01256	-.00030	432.68	.00064
Stddev	.00005	.00006	.00081	.0443	.00032	.00151	.00001	.00041	.45	.00012
%RSD	5.5873	2.4309	.11034	1.8563	.85770	.29472	.07120	136.35	.10404	18.649
#1	.00082	.00231	.73549	2.3570	.03770	.51201	.01257	-.00001	433.00	.00073
#2	.00089	.00223	.73434	2.4197	.03725	.50989	.01255	-.00059	432.36	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05241	.00060	2.9903	.00048	-.00362	5.5277	-.00079	.27472	-.00259	.00086
Stddev	.00002	.00129	.0132	.00002	.00047	.0160	.00014	.00060	.00003	.00037
%RSD	.03410	213.17	.44112	3.7653	13.090	.29015	17.488	.21827	1.0947	43.334
#1	.05239	-.00031	2.9810	.00050	-.00328	5.5164	-.00069	.27514	-.00257	.00060
#2	.05242	.00151	2.9996	.00047	-.00395	5.5391	-.00088	.27429	-.00261	.00112
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00177	.04555	-.00044	.00199	.00348
Stddev	.00097	.01237	.00043	.00026	.00132
%RSD	54.784	27.157	97.534	12.950	38.095
#1	.00246	.05430	-.00014	.00217	.00441
#2	.00109	.03681	-.00075	.00181	.00254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3484.0	58230.	4517.0
Stddev	.6	261.	17.6
%RSD	.01793	.44795	.38878
#1	3483.5	58046.	4529.4
#2	3484.4	58415.	4504.6

Sample Name: 280-19465-c-12-b Acquired: 8/26/2011 21:55:18 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82954 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00045**	**.05291**	**.00639**	**.06525**	**.62049**	**.00002**	**-.00353**	**2.2339**	**-.00035**	**.00009**
Stddev	.00020	.00015	.00036	.00019	.00158	.00015	.00069	.0112	.00007	.00011
%RSD	44.471	.29019	5.6582	.28814	.25385	735.51	19.524	.50135	19.414	128.88
#1	-.00031	.05302	.00614	.06511	.62161	-.00008	-.00305	2.2418	-.00030	.00001
#2	-.00059	.05280	.00665	.06538	.61938	.00012	-.00402	2.2260	-.00040	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**.00222**	**.45363**	**3.1393**	**.07457**	**.65699**	**.00825**	**-.00002**	W **563.81**	**.00066**
Stddev	.00008	.00015	.00478	.0919	.00092	.00415	.00011	.00021	1.41	.00037
%RSD	12.522	6.7959	1.0527	2.9264	1.2278	.63218	1.3112	990.60	.24928	55.913
#1	.00062	.00233	.45700	3.0744	.07522	.65406	.00817	.00012	564.80	.00092
#2	.00074	.00211	.45025	3.2043	.07392	.65993	.00833	-.00017	562.81	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02922**	**-.00099**	**.09794**	**.00014**	**-.00278**	**6.6777**	**-.00056**	**.33333**	**-.00212**	**.00110**
Stddev	.00267	.00026	.00393	.00101	.00207	.0291	.00030	.00146	.00026	.00008
%RSD	9.1236	26.555	4.0086	742.44	74.215	.43511	52.929	.43654	12.056	7.0859
#1	.03111	-.00117	.10072	.00085	-.00132	6.6982	-.00035	.33435	-.00230	.00104
#2	.02734	-.00080	.09517	-.00058	-.00424	6.6571	-.00077	.33230	-.00194	.00115
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00213**	**.02905**	**.00011**	**.00373**	**.00221**
Stddev	.00077	.00558	.00062	.00035	.00054
%RSD	35.997	19.205	571.53	9.4919	24.399
#1	.00267	.02510	-.00033	.00348	.00259
#2	.00159	.03299	.00054	.00398	.00183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3442.7**	**57101.**	**4475.6**
Stddev	4.7	118.	15.2
%RSD	.13533	.20722	.33951
#1	3439.4	57017.	4464.9
#2	3446.0	57184.	4486.4

Sample Name: 280-19465-c-13-b Acquired: 8/26/2011 21:58:46 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82954 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.02881**	**.00464**	**.12930**	**.49178**	**-.00002**	**.00098**	**2.8181**	**-.00042**	**.00030**
Stddev	.00010	.00046	.00245	.00102	.00073	.00008	.00212	.0046	.00005	.00000
%RSD	77.456	1.6026	52.679	.79146	.14840	407.89	217.27	.16220	12.842	1.4310
#1	-.00020	.02848	.00291	.12858	.49230	.00004	.00248	2.8214	-.00045	.00031
#2	-.00006	.02914	.00637	.13002	.49127	-.00008	-.00052	2.8149	-.00038	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00101**	**.00193**	**.83174**	**2.9606**	**.07835**	**.61760**	**.01612**	**.00026**	W **518.82**	**.00057**
Stddev	.00028	.00024	.00585	.0382	.00040	.00313	.00009	.00017	.34	.00017
%RSD	27.744	12.507	.70373	1.2900	.50452	.50600	.58735	63.893	.06559	29.556
#1	.00121	.00210	.83588	2.9336	.07807	.61980	.01619	.00038	518.58	.00068
#2	.00081	.00176	.82760	2.9876	.07863	.61539	.01606	.00014	519.06	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03528**	**-.00019**	**.25689**	**.00259**	**-.00327**	**7.4356**	**-.00074**	**.39874**	**-.00100**	**-.00036**
Stddev	.00083	.00043	.00417	.00364	.00145	.0182	.00007	.00004	.00003	.00027
%RSD	2.3393	221.75	1.6246	140.16	44.419	.24451	8.8326	.01002	3.0644	75.488
#1	.03469	-.00050	.25984	.00517	-.00224	7.4485	-.00070	.39871	-.00102	-.00017
#2	.03586	.00011	.25394	.00002	-.00430	7.4228	-.00079	.39876	-.00098	-.00055
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00172**	**.03378**	**-.00014**	**.00226**	**.00289**
Stddev	.00105	.01586	.00086	.00014	.00138
%RSD	61.256	46.936	613.10	6.0573	47.790
#1	.00246	.04499	-.00074	.00235	.00387
#2	.00097	.02257	.00047	.00216	.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3458.8**	**57547.**	**4477.4**
Stddev	11.9	34.	22.9
%RSD	.34265	.05992	.51048
#1	3467.2	57523.	4461.3
#2	3450.4	57572.	4493.6

Sample Name: CCVH-940568 Acquired: 8/26/2011 22:02:14 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00551**	**46.607**	k **-.00095**	**.00415**	k **.00097**	k **-.00018**	k **.99374**	k **.03487**	k **-.00180**	k **.00216**	k **.00049**
Stddev	.00066	.001	.00330	.00032	.00012	.00005	.00609	.00235	.00005	.00017	.00017
%RSD	11.932	.00220	347.75	7.7652	12.884	26.791	.61319	6.7307	2.9950	8.0465	35.707
#1	k -.00504	46.606	k -.00328	.00392	k .00105	k -.00021	k .99805	k .03321	k -.00184	k .00229	k .00036
#2	k -.00597	46.608	k .00138	.00438	k .00088	k -.00014	k .98943	k .03653	k -.00176	k .00204	k .00061
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None
Value											
Range											

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01544**	kF **44.921**	**.25969**	k **.00498**	k **-.35957**	**.00347**	**-.00276**	F **281.36**	**.00253**	**.00198**	k **.00631**
Stddev	.00037	.035	.04712	.00419	.00137	.00006	.00004	.69	.00008	.00067	.00276
%RSD	2.4279	.07847	18.146	84.176	.38003	1.7721	1.4256	.24359	3.3285	33.604	43.828
#1	k .01517	k 44.896	.29302	k .00795	k -.35860	.00351	-.00274	281.85	.00247	.00151	k .00826
#2	k .01570	k 44.946	.22637	k .00202	k -.36054	.00342	-.00279	280.88	.00259	.00246	k .00435
Check ?	None	Chk Fail	None	None	None	None	None	Chk Fail	None	None	None
Value		50.000						250.00			
Range		-10.000%						10.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0145**	k **-.02245**	k **-.01159**	k **.02209**	k **.00249**	**.00059**	k **5.2245**	k **.03536**	k **-.00536**	k **10.461**	k **-.00764**
Stddev	.0019	.00102	.00238	.02053	.00023	.00008	.0014	.00032	.00018	.073	.00063
%RSD	.03876	4.5564	20.572	92.957	9.3139	13.244	.02599	.89577	3.3638	.70177	8.2912
#1	5.0159	k -.02173	k -.01328	k .00757	k .00265	.00053	k 5.2235	k .03558	k -.00523	k 10.410	k -.00719
#2	5.0131	k -.02318	k -.00990	k .03661	k .00232	.00064	k 5.2254	k .03514	k -.00548	k 10.513	k -.00809
Check ?	None	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None
Value											
Range											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	k **.00953**	k **.36549**
Stddev	.00070	.00348
%RSD	7.3046	.95087
#1	.01002	k .36303
#2	k .00904	k .36794
Check ?	None	None
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3534.7**	**59352.**	**4491.0**
Stddev	7.6	19.	35.1
%RSD	.21573	.03118	.78195
#1	3540.1	59339.	4466.1
#2	3529.3	59365.	4515.8

Sample Name: CCV-940591 Acquired: 8/26/2011 22:04:51 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50285**	**.49358**	**.99174**	**.49916**	**.51308**	**.45518**	**.00177**	**4.5387**	**.50376**	**.49129**	**.49331**	**.50216**
Stddev	.00218	.00241	.00172	.00018	.00071	.00009	.00243	.0087	.00039	.00006	.00020	.00356
%RSD	.43383	.48894	.17376	.03690	.13914	.01984	136.81	.19254	.07730	.01275	.04011	.70844
#1	.50439	.49187	.99296	.49929	.51359	.45524	.00006	4.5449	.50403	.49133	.49345	.50467
#2	.50131	.49529	.99052	.49903	.51258	.45511	.00349	4.5325	.50348	.49124	.49317	.49964
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.1179**	**51.473**	**1.0634**	**19.612**	**.49455**	**.49724**	F **6.1540**	**.49630**	**.96022**	**.99815**	**.01676**	**.99108**
Stddev	.0038	.067	.0002	.110	.00197	.00138	.0623	.00013	.00090	.00040	.00325	.00005
%RSD	.17917	.12936	.01780	.55925	.39736	.27716	1.0123	.02546	.09353	.04008	19.367	.00551
#1	2.1152	51.426	1.0635	19.690	.49594	.49821	6.1981	.49638	.96086	.99786	.01906	.99112
#2	2.1206	51.521	1.0633	19.535	.49316	.49627	6.1100	.49621	.95959	.99843	.01447	.99104
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value	2.5000						5.0000					
Range	-10.000%						10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98303**	F **4.3185**	**.99283**	**.50437**	**-.00129**	**.48507**	**.98517**	**.02538**	**.50034**	**.49073**	**.48061**
Stddev	.00226	.0412	.00145	.00030	.00081	.00247	.00422	.02484	.00151	.00106	.00216
%RSD	.22971	.95420	.14590	.06032	62.833	.50856	.42874	97.876	.30231	.21677	.44890
#1	.98463	4.2894	.99181	.50458	-.00187	.48681	.98816	.00782	.50141	.49148	.48213
#2	.98144	4.3476	.99386	.50415	-.00072	.48332	.98218	.04295	.49927	.48997	.47908
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		5.0000									
Range		-10.000%									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3607.4**	**61004.**	**4476.2**
Stddev	3.1	256.	3.8
%RSD	.08470	.41921	.08500
#1	3605.3	60823.	4473.5
#2	3609.6	61185.	4478.9

Sample Name: CCB Acquired: 8/26/2011 22:07:14 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.00114**	**.00421**	W **.00276**	W **.00085**	**-.00001**	**-.00327**	**.00185**	W **-.00053**	**.00011**
Stddev	.00010	.00060	.00001	.00024	.00009	.00001	.00383	.00379	.00019	.00021
%RSD	37.779	52.483	.30068	8.7513	10.870	94.030	117.32	205.01	35.356	193.55
#1	-.00032	.00156	.00422	.00293	.00092	.00000	-.00598	.00453	-.00067	-.00004
#2	-.00019	.00071	.00420	.00259	.00079	-.00002	-.00056	-.00083	-.00040	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass
High Limit				.00156	.00058				.00045	
Low Limit				-.00156	-.00058				-.00045	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00012**	**.00247**	**.13415**	**.00129**	**.00462**	**.00019**	**.00228**	F **.77108**	**.00046**
Stddev	.00026	.00008	.00186	.00071	.00116	.00000	.00006	.00081	.00025	.00012
%RSD	187.28	66.180	75.049	.52739	90.012	.09990	30.018	35.713	.03280	26.062
#1	-.00004	-.00018	.00116	.13465	.00211	.00463	.00015	.00170	.77090	.00037
#2	.00032	-.00007	.00378	.13365	.00047	.00462	.00023	.00286	.77126	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									.10000	
Low Limit									-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00111**	**-.00166**	**.01456**	F **.00733**	**.00473**	**.00902**	**.00034**	**-.00003**	**.00000**	**.00006**
Stddev	.00247	.00064	.00231	.00175	.00113	.01073	.00048	.00002	.00037	.00026
%RSD	222.16	38.662	15.890	23.894	23.822	118.92	141.71	69.055	16141.	444.57
#1	.00063	-.00120	.01292	.00609	.00393	.00143	.00067	-.00001	.00026	-.00012
#2	-.00286	-.00211	.01619	.00857	.00552	.01660	.00000	-.00004	-.00026	.00024
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00628						
Low Limit				-.00628						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**.00428**	**-.00027**	**.00147**	**.00136**
Stddev	.00162	.02195	.00028	.00008	.00275
%RSD	190.08	513.09	102.32	5.4669	201.81
#1	-.00029	-.01124	-.00047	.00141	.00330
#2	.00200	.01980	-.00008	.00153	-.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3651.1**	**62440.**	**4457.0**
Stddev	1.7	32.	5.0
%RSD	.04550	.05080	.11319
#1	3652.3	62418.	4453.4
#2	3649.9	62463.	4460.6

Sample Name: CCVL946273 Acquired: 8/26/2011 22:09:49 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01050**	**.10044**	**.01726**	**.10427**	**.01096**	**.00087**	W **.12050**	**.18097**	**.00467**	**.01040**	**.00997**
Stddev	.00056	.00098	.00189	.00002	.00010	.00007	.00105	.00465	.00002	.00017	.00006
%RSD	5.2998	.97953	10.925	.01838	.91460	7.8064	.86923	2.5720	.52176	1.6057	.56011
#1	.01089	.10114	.01859	.10429	.01103	.00091	.12124	.18426	.00469	.01052	.00993
#2	.01010	.09975	.01593	.10426	.01089	.00082	.11976	.17767	.00465	.01028	.01000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							20.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01531**	**.08705**	**3.2530**	**.01094**	**.20481**	**.01024**	**.01926**	F **1.8001**	**.04073**	**2.8316**	**.00822**
Stddev	.00000	.00108	.0804	.00372	.00090	.00003	.00004	.0331	.00035	.0055	.00141
%RSD	.02108	1.2443	2.4712	34.037	.43885	.29135	.19963	1.8378	.84744	.19528	17.151
#1	.01532	.08781	3.1962	.01357	.20544	.01027	.01929	1.7767	.04048	2.8356	.00922
#2	.01531	.08628	3.3099	.00831	.20417	.01022	.01923	1.8235	.04097	2.8277	.00722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value								1.0000			
Range								30.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02306**	W **.01260**	**.01458**	**.42929**	**.10005**	**.01025**	**.01232**	**.00946**	**.01518**	F **.08971**	**.00944**
Stddev	.00093	.00073	.00227	.00851	.00038	.00002	.00048	.00004	.00047	.00208	.00016
%RSD	4.0228	5.7842	15.594	1.9817	.38453	.22442	3.9263	.41225	3.1052	2.3130	1.6734
#1	.02372	.01311	.01297	.42328	.10032	.01026	.01198	.00949	.01484	.09118	.00955
#2	.02241	.01208	.01619	.43531	.09978	.01023	.01267	.00943	.01551	.08824	.00933
Check ?	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value		.01000								.06000	
Range		20.000%								30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02180**	**.01763**
Stddev	.00008	.00188
%RSD	.38952	10.689
#1	.02174	.01897
#2	.02186	.01630
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3663.8**	**62879.**	**4504.4**
Stddev	3.0	5.	.0
%RSD	.08104	.00764	.00030
#1	3661.7	62883.	4504.4
#2	3665.9	62876.	4504.4

Sample Name: mb 280-82960/1-a Acquired: 8/26/2011 22:12:22 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82960 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00318**	W **.00666**	**.00332**	**.00249**	**.00007**	**-.00287**	**.00599**	**-.00019**	**.00011**
Stddev	.00073	.00049	.00009	.00030	.00002	.00012	.00413	.00059	.00004	.00048
%RSD	179.50	15.389	1.3894	8.9830	.78829	180.29	143.75	9.8322	18.832	460.89
#1	-.00011	.00283	.00659	.00311	.00248	-.00002	-.00579	.00640	-.00022	.00045
#2	.00092	.00352	.00672	.00353	.00251	.00015	.00005	.00557	-.00016	-.00024
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00500							
Low Limit			-.00500							

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00009**	**.01195**	**.15072**	W **.00585**	**.00208**	**.00015**	**-.00035**	W **.68991**	**.00025**
Stddev	.00009	.00013	.00299	.00398	.00709	.00126	.00003	.00025	.01286	.00023
%RSD	1221.2	150.98	25.043	2.6377	121.36	60.715	21.793	70.371	1.8644	89.234
#1	.00006	-.00001	.01406	.15353	.01086	.00297	.00013	-.00053	.68081	.00041
#2	-.00007	.00018	.00983	.14791	.00083	.00119	.00018	-.00018	.69900	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00500				.50000	
Low Limit					-.00500				-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**-.00111**	**.01976**	**.00178**	**-.00058**	**.01100**	**.00000**	**.00007**	**.00043**	**-.00037**
Stddev	.00524	.00040	.00162	.00123	.00605	.00751	.0002	.00012	.00163	.00036
%RSD	936.03	36.005	8.1892	69.202	1047.3	68.247	8058.3	165.01	380.07	97.888
#1	-.00314	-.00083	.01862	.00264	.00370	.01631	.00012	-.00001	-.00073	-.00063
#2	.00426	-.00140	.02091	.00091	-.00486	.00569	-.00013	.00016	.00159	-.00011
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00436**	**-.00057**	**.00170**	**.00440**
Stddev	.00044	.02100	.00003	.00005	.00260
%RSD	342.25	481.68	5.0066	2.9508	59.135
#1	.00044	.01921	-.00055	.00174	.00624
#2	-.00018	-.01049	-.00059	.00167	.00256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3707.1**	**63555.**	**4543.6**
Stddev	9.9	7.	12.9
%RSD	.26774	.01046	.28417
#1	3700.0	63550.	4552.7
#2	3714.1	63560.	4534.5

Sample Name: lcs 280-82960/2-a Acquired: 8/26/2011 22:14:58 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82960 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04845**	**1.8219**	**1.0109**	**1.0069**	**2.0739**	**.04610**	F **2.3121**	**45.484**	**.10632**	**.48507**
Stddev	.00039	.0220	.0067	.0022	.0038	.00005	.0005	.006	.00026	.00028
%RSD	.81334	1.2063	.66228	.22160	.18422	.11810	.01981	.01239	.24289	.05722
#1	.04873	1.8374	1.0061	1.0085	2.0766	.04613	2.3118	45.488	.10614	.48488
#2	.04817	1.8063	1.0156	1.0053	2.0712	.04606	2.3125	45.480	.10651	.48527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19866**	**.25070**	F **.85433**	**52.918**	**1.0686**	**49.086**	**.49257**	**1.0082**	F **56.409**	**.48703**
Stddev	.00005	.00080	.00101	.007	.0053	.091	.00039	.0012	.227	.00039
%RSD	.02644	.31980	.11845	.01411	.49378	.18571	.08007	.11434	.40176	.07921
#1	.19862	.25013	.85362	52.913	1.0723	49.022	.49229	1.0090	56.249	.48730
#2	.19870	.25127	.85505	52.923	1.0649	49.150	.49285	1.0073	56.570	.48676
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			1.1400						56.000	
Low Limit			.88000						45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8658**	**.49309**	**.01059**	**.51367**	**2.0277**	F **8.6582**	**1.9848**	**1.0221**	**.96948**	**.99629**
Stddev	.0149	.00309	.00738	.00157	.0087	.0126	.0038	.0016	.00245	.00000
%RSD	.15088	.62731	69.732	.30528	.42897	.14594	.19263	.15217	.25236	.00041
#1	9.8764	.49090	.00537	.51477	2.0338	8.6672	1.9875	1.0232	.96775	.99628
#2	9.8553	.49528	.01581	.51256	2.0215	8.6493	1.9821	1.0210	.97121	.99629
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500				
Low Limit						9.4000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9589**	**2.0867**	**.50467**	**.48777**	**.50785**
Stddev	.0006	.0029	.00146	.00103	.00348
%RSD	.02971	.13994	.29027	.21120	.68579
#1	1.9585	2.0888	.50571	.48704	.50538
#2	1.9593	2.0846	.50364	.48850	.51031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3585.2**	**60270.**	**4527.0**
Stddev	2.6	199.	19.2
%RSD	.07123	.32939	.42371
#1	3583.4	60411.	4513.4
#2	3587.1	60130.	4540.6

Sample Name: 280-19453-c-11-b Acquired: 8/26/2011 22:17:18 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82960 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00036	.03987	.00680	.01366	.00122	-.00013	-.00061	44.108	-.00017	-.00001
Stddev	.00054	.00189	.00303	.00045	.00027	.00005	.00035	.044	.00019	.00031
%RSD	149.81	4.7413	44.537	3.2995	22.347	38.306	56.677	.09903	114.82	5638.0
#1	.00074	.03854	.00466	.01334	.00141	-.00009	-.00037	44.139	-.00003	.00021
#2	-.00002	.04121	.00893	.01398	.00103	-.00016	-.00086	44.077	-.00030	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00258	.00073	.04005	.32742	.00258	.74275	.00423	.00499	2.6882	.00023
Stddev	.00024	.00038	.00259	.03831	.00088	.00386	.00004	.00126	.0038	.00021
%RSD	9.2543	52.502	6.4557	11.702	33.993	.52026	.96632	25.218	.14151	93.821
#1	.00241	.00046	.03823	.35452	.00320	.74002	.00420	.00410	2.6855	.00008
#2	.00275	.00100	.04188	.30033	.00196	.74548	.00426	.00588	2.6909	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04033	.00003	.23059	-.00002	.00733	5.0513	.00102	.03090	-.00120	.00153
Stddev	.00102	.00051	.00428	.00154	.00522	.0488	.00146	.00003	.00056	.00022
%RSD	2.5334	1828.8	1.8541	8884.4	71.164	.96583	142.78	.09132	46.447	14.529
#1	.03960	.00039	.22757	.00107	.00364	5.0858	-.00001	.03088	-.00160	.00137
#2	.04105	-.00033	.23362	-.00111	.01102	5.0168	.00206	.03092	-.00081	.00169
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00309	.00855	.00032	.00173	.00170
Stddev	.00008	.02164	.00051	.00026	.00200
%RSD	2.4771	253.14	158.70	14.895	117.80
#1	.00304	-.00675	.00068	.00191	.00312
#2	.00315	.02385	-.00004	.00155	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3688.2	62634.	4587.5
Stddev	2.0	264.	5.9
%RSD	.05386	.42163	.12906
#1	3689.6	62821.	4583.3
#2	3686.8	62447.	4591.7

Sample Name: 280-19453-c-11-bSD@5 Acquired: 8/26/2011 22:19:52 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82960 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00011	.00862	.00416	.00465	.00094	-.00005	-.00598	8.9270	-.00022	.00008
Stddev	.00008	.00041	.00138	.00026	.00010	.00001	.00177	.0084	.00016	.00025
%RSD	78.051	4.8101	33.068	5.5569	10.567	16.396	29.625	.09385	70.171	304.17
#1	.00017	.00892	.00513	.00447	.00102	-.00005	-.00473	8.9329	-.00033	.00025
#2	.00005	.00833	.00319	.00483	.00087	-.00004	-.00724	8.9211	-.00011	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00050	.00058	.00832	.14382	.00485	.16071	.00096	-.00009	1.0907	.00027
Stddev	.00016	.00017	.00059	.05394	.00207	.00137	.00001	.00050	.0092	.00001
%RSD	31.344	28.798	7.0311	37.507	42.730	.84988	.97464	558.84	.84567	4.7159
#1	.00061	.00046	.00873	.18196	.00631	.16168	.00096	-.00044	1.0972	.00026
#2	.00039	.00070	.00791	.10568	.00338	.15975	.00095	.00027	1.0842	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00553	-.00228	.05899	.00193	-.00227	.98842	-.00012	.00636	-.00053	.00000
Stddev	.00174	.00211	.00022	.00145	.00274	.02581	.00029	.00027	.00052	.0001
%RSD	31.526	92.623	.37962	74.899	120.55	2.6117	231.01	4.1996	96.466	4018.7
#1	.00677	-.00079	.05915	.00091	-.00034	.97017	-.00033	.00618	-.00017	.00008
#2	.00430	-.00377	.05884	.00295	-.00421	1.0067	.00008	.00655	-.00090	-.00008
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00132	.01685	-.00034	.00742	.00297
Stddev	.00025	.01154	.00023	.00033	.00062
%RSD	19.242	68.471	66.596	4.4829	20.714
#1	.00114	.02501	-.00051	.00765	.00253
#2	.00150	.00869	-.00018	.00718	.00340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3720.5	63370.	4556.4
Stddev	4.6	60.	5.1
%RSD	.12305	.09429	.11195
#1	3723.8	63328.	4552.8
#2	3717.3	63412.	4560.0

Sample Name: 280-19453-c-11-c ms Acquired: 8/26/2011 22:22:27 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82960 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04920**	**1.9096**	**1.0321**	**1.0307**	**2.1138**	**.04742**	**2.3556**	**90.611**	**.10847**	**.49314**
Stddev	.00007	.0234	.0012	.0008	.0077	.00011	.0037	.317	.00012	.00007
%RSD	.15131	1.2275	.11160	.07375	.36490	.23174	.15807	.34935	.10613	.01451
#1	.04926	1.9262	1.0329	1.0312	2.1083	.04734	2.3582	90.387	.10838	.49319
#2	.04915	1.8931	1.0313	1.0301	2.1192	.04750	2.3529	90.835	.10855	.49309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20492**	**.25694**	**.90577**	**54.358**	**1.0933**	**50.253**	**.50346**	**1.0248**	**59.789**	**.49322**
Stddev	.00037	.00004	.00658	.129	.0015	.039	.00032	.0020	.239	.00002
%RSD	.18083	.01567	.72677	.23717	.13724	.07782	.06454	.19431	.39991	.00449
#1	.20519	.25697	.91043	54.267	1.0922	50.225	.50368	1.0262	59.958	.49320
#2	.20466	.25692	.90112	54.449	1.0943	50.281	.50323	1.0234	59.620	.49323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.173**	**.50119**	**.23578**	**.52125**	**2.0663**	**13.902**	**2.0125**	**1.0726**	**.98801**	**1.0134**
Stddev	.034	.00066	.00067	.00164	.0099	.092	.0059	.0054	.00102	.0006
%RSD	.33257	.13200	.28546	.31466	.48031	.66464	.29375	.50639	.10341	.06191
#1	10.197	.50072	.23626	.52241	2.0733	13.837	2.0166	1.0688	.98873	1.0130
#2	10.149	.50166	.23530	.52009	2.0593	13.968	2.0083	1.0765	.98729	1.0139
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9822**	**2.1557**	**.51547**	**.49429**	**.51457**
Stddev	.0002	.0126	.00035	.00040	.00413
%RSD	.01001	.58302	.06758	.08034	.80277
#1	1.9821	2.1646	.51571	.49401	.51165
#2	1.9824	2.1468	.51522	.49457	.51749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3544.2**	**60007.**	**4511.8**
Stddev	14.3	.	13.1
%RSD	.40226	.00044	.29027
#1	3534.1	60007.	4502.6
#2	3554.3	60007.	4521.1

Sample Name: 280-19453-c-11-d msd Acquired: 8/26/2011 22:24:48 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82960 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04962**	**1.8946**	**1.0242**	**1.0285**	**2.0992**	**.04668**	**2.3433**	**89.503**	**.10780**	**.49087**
Stddev	.00020	.0331	.0017	.0017	.0005	.00017	.0018	.107	.00000	.00025
%RSD	.39509	1.7465	.16535	.16074	.02292	.35854	.07685	.12008	.00245	.05095
#1	.04949	1.9180	1.0230	1.0273	2.0988	.04656	2.3421	89.427	.10780	.49105
#2	.04976	1.8712	1.0254	1.0297	2.0995	.04680	2.3446	89.579	.10780	.49070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20431**	**.25607**	**.95864**	**53.806**	**1.0920**	**50.149**	**.50444**	**1.0201**	**59.250**	**.49052**
Stddev	.00035	.00011	.00297	.021	.0003	.116	.00182	.0004	.722	.00063
%RSD	.16930	.04329	.31019	.03856	.02570	.23227	.35982	.04260	1.2194	.12913
#1	.20406	.25599	.96075	53.791	1.0918	50.231	.50572	1.0204	59.760	.49097
#2	.20455	.25615	.95654	53.820	1.0922	50.067	.50315	1.0198	58.739	.49007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.095**	**.49902**	**.24803**	**.52102**	**2.0645**	**13.787**	**1.9991**	**1.0655**	**.98711**	**1.0136**
Stddev	.021	.00129	.00183	.00077	.0056	.022	.0012	.0008	.00321	.0035
%RSD	.20605	.25789	.73882	.14799	.27267	.15919	.05766	.07287	.32477	.34810
#1	10.109	.49811	.24933	.52048	2.0606	13.772	1.9983	1.0650	.98937	1.0161
#2	10.080	.49993	.24674	.52157	2.0685	13.803	1.9999	1.0661	.98484	1.0111
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9666**	**2.0977**	**.51544**	**.50159**	**.50138**
Stddev	.0005	.0038	.00156	.00119	.00197
%RSD	.02378	.17992	.30355	.23731	.39388
#1	1.9662	2.0950	.51655	.50244	.50278
#2	1.9669	2.1004	.51434	.50075	.49998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3559.7**	**60099.**	**4544.5**
Stddev	7.4	266.	3.9
%RSD	.20807	.44302	.08648
#1	3554.5	59910.	4541.7
#2	3565.0	60287.	4547.2

Sample Name: 280-19453-c-12-b Acquired: 8/26/2011 22:27:08 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82960 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00079	1.1002	.00684	.01488	.00279	.00074	-.00032	5.8680	.00023	.00158
Stddev	.00022	.0006	.00004	.00038	.00006	.00002	.00025	.0042	.00010	.00034
%RSD	28.304	.05525	.54609	2.5292	2.1967	3.0409	78.246	.07208	44.575	21.517
#1	.00063	1.1006	.00686	.01462	.00275	.00075	-.00014	5.8710	.00016	.00134
#2	.00095	1.0997	.00681	.01515	.00283	.00072	-.00050	5.8650	.00031	.00182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00457	.00244	1.5250	.50128	.00607	.51264	.07445	.00508	1.8152	.00507
Stddev	.00010	.00022	.0009	.00522	.00200	.00161	.00001	.00146	.0022	.00006
%RSD	2.1913	8.8629	.05705	1.0422	32.961	.31340	.00848	28.724	.11831	1.2196
#1	.00450	.00259	1.5256	.49758	.00748	.51150	.07445	.00405	1.8137	.00503
#2	.00464	.00229	1.5244	.50497	.00465	.51377	.07446	.00611	1.8167	.00512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.31312	.00122	.23821	.00020	.01074	5.9551	.00322	.00429	-.00009	.02625
Stddev	.00288	.00069	.00436	.00038	.00340	.0282	.00006	.00015	.00001	.00005
%RSD	.92015	56.726	1.8300	194.04	31.609	.47327	1.9849	3.5568	13.730	.19479
#1	.31516	.00073	.23513	.00047	.00834	5.9751	.00326	.00418	-.00008	.02621
#2	.31109	.00171	.24130	-.00007	.01314	5.9352	.00317	.00440	-.00010	.02628
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00180	.02604	.00089	.02444	.00367
Stddev	.00038	.00430	.00008	.00024	.00268
%RSD	20.870	16.506	9.2505	.96473	73.019
#1	.00154	.02301	.00094	.02428	.00557
#2	.00207	.02908	.00083	.02461	.00178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3752.0	63769.	4655.1
Stddev	.7	149.	8.5
%RSD	.01938	.23296	.18213
#1	3752.5	63664.	4649.2
#2	3751.5	63874.	4661.1

Sample Name: 280-19453-c-13-b Acquired: 8/26/2011 22:29:42 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82960 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.04573**	**.00478**	**.01376**	**.01360**	**.00001**	**-.00068**	**9.5612**	**-.00023**	**.00130**
Stddev	.00022	.00010	.00404	.00004	.00010	.00008	.00072	.0273	.00006	.00044
%RSD	64.680	.21222	84.514	.29539	.70956	1035.2	105.33	.28514	25.291	33.914
#1	-.00049	.04580	.00192	.01373	.01367	-.00005	-.00119	9.5805	-.00019	.00099
#2	-.00018	.04566	.00763	.01379	.01353	.00006	-.00017	9.5420	-.00027	.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00087**	**2.5565**	**.61125**	**.00127**	**.68865**	**.17168**	**.00057**	**6.9773**	**.00091**
Stddev	.00003	.00005	.0121	.02735	.00066	.00052	.00012	.00025	.0226	.00041
%RSD	10.089	5.8936	.47322	4.4748	51.576	.07598	.06903	43.315	.32435	44.580
#1	.00030	.00091	2.5651	.59191	.00174	.68828	.17160	.00039	6.9933	.00063
#2	.00035	.00083	2.5480	.63059	.00081	.68902	.17176	.00074	6.9613	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03336**	**-.00111**	**.32781**	**.00019**	**-.00122**	**5.5879**	**.00027**	**.01490**	**.00001**	**.00102**
Stddev	.00386	.00010	.00512	.00134	.00231	.0098	.00003	.00003	.00006	.00013
%RSD	11.585	9.1445	1.5622	697.02	189.10	.17593	12.413	.21293	414.77	12.537
#1	.03609	-.00118	.33143	-.00076	-.00285	5.5948	.00024	.01492	.00005	.00093
#2	.03063	-.00103	.32419	.00114	.00041	5.5809	.00029	.01488	-.00003	.00111
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.02105**	**-.00519**	**.00388**	**.00243**
Stddev	.00034	.02159	.00033	.00062	.00075
%RSD	70.744	102.57	6.4056	16.043	30.730
#1	.00024	.00578	-.00495	.00344	.00296
#2	.00071	.03632	-.00542	.00431	.00190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3742.0**	**63507.**	**4638.2**
Stddev	7.5	88.	13.1
%RSD	.20024	.13905	.28276
#1	3747.3	63444.	4629.0
#2	3736.7	63569.	4647.5

Sample Name: CCVH-940568 Acquired: 8/26/2011 22:32:17 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00587**	**45.422**	k **-.00308**	**.00423**	k **.00092**	k **-.00014**	k **.97525**	k **.00863**	k **-.00147**	k **.00210**	k **.00060**
Stddev	.00024	.024	.00069	.00071	.00054	.00012	.00034	.00136	.00021	.00038	.00014
%RSD	4.1459	.05378	22.513	16.755	58.735	89.786	.03474	15.781	13.945	18.359	22.829
#1	k -.00569	45.405	k -.00259	.00473	k .00130	k -.00005	k .97501	k .00767	k -.00133	k .00237	k .00050
#2	k -.00604	45.440	k -.00357	.00373	k .00054	k -.00022	k .97549	k .00960	k -.00162	k .00182	k .00069
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None
Value											
Range											

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01397**	kF **43.307**	**.12691**	k **.00407**	k **-.35190**	**-.00012**	**-.00218**	F **275.84**	**.00113**	**.00141**	k **.00516**
Stddev	.00062	.136	.01083	.00319	.00246	.00001	.00016	.42	.00007	.00268	.00162
%RSD	4.4658	.31351	8.5324	78.363	.69966	4.4630	7.1588	.15152	6.5668	189.72	31.351
#1	k .01441	k 43.211	.11926	k .00181	k -.35364	-.00012	-.00207	276.13	.00118	.00330	k .00630
#2	k .01353	k 43.403	.13457	k .00633	k -.35016	-.00011	-.00229	275.54	.00108	-.00048	k .00401
Check ?	None	Chk Fail	None	None	None	None	None	Chk Fail	None	None	None
Value		50.000						250.00			
Range		-10.000%						10.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9227**	k **-.02065**	k **-.01082**	k **.02283**	k **.00171**	**.00040**	k **5.0961**	k **.03467**	k **-.00279**	k **10.250**	k **-.00731**
Stddev	.0059	.00111	.00004	.00286	.00033	.00012	.0037	.00011	.00026	.018	.00020
%RSD	.12044	5.3524	.33006	12.513	19.535	29.117	.07279	.31521	9.3575	.17129	2.7339
#1	4.9269	k -.02143	k -.01085	k .02081	k .00195	.00048	k 5.0935	k .03460	k -.00297	k 10.238	k -.00717
#2	4.9185	k -.01987	k -.01080	k .02485	k .00147	.00032	k 5.0988	k .03475	k -.00260	k 10.263	k -.00745
Check ?	None	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None
Value											
Range											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	k **.00296**	k **.35644**
Stddev	.00054	.00208
%RSD	18.136	.58263
#1	k .00258	k .35497
#2	k .00333	k .35791
Check ?	None	None
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3573.4**	**60371.**	**4532.8**
Stddev	13.5	54.	5.9
%RSD	.37796	.08925	.12980
#1	3582.9	60333.	4528.7
#2	3563.8	60409.	4537.0

Sample Name: CCV-940591 Acquired: 8/26/2011 22:34:54 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50129**	**.49443**	**.98393**	**.49645**	**.51238**	**.45495**	**.00231**	**4.5233**	**.50221**	**.49111**	**.49345**	**.50059**
Stddev	.00105	.00412	.00233	.00182	.00134	.00033	.00519	.0119	.00141	.00063	.00038	.00017
%RSD	.20908	.83240	.23654	.36612	.26144	.07291	224.47	.26405	.28100	.12794	.07723	.03360
#1	.50204	.49152	.98228	.49517	.51332	.45519	-.00136	4.5318	.50122	.49067	.49318	.50071
#2	.50055	.49734	.98558	.49774	.51143	.45472	.00598	4.5149	.50321	.49156	.49372	.50047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.1101**	**51.633**	**1.0703**	**19.581**	**.49402**	**.49474**	F **5.8837**	**.49462**	**.95571**	**.99478**	**.01405**	**.99124**
Stddev	.0010	.052	.0053	.029	.00037	.00045	.0140	.00088	.00255	.00255	.00823	.00249
%RSD	.04902	.10153	.50024	.14598	.07552	.09164	.23849	.17888	.26671	.25635	58.609	.25126
#1	2.1109	51.670	1.0741	19.601	.49428	.49442	5.8936	.49399	.95391	.99297	.00823	.98948
#2	2.1094	51.596	1.0666	19.560	.49375	.49506	5.8737	.49524	.95751	.99658	.01987	.99300
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value	2.5000						5.0000					
Range	-10.000%						10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98667**	F **4.3120**	**.98632**	**.50379**	**-.00142**	**.48399**	**.98810**	**.02075**	**.49857**	**.48909**	**.48342**
Stddev	.00035	.0198	.00026	.00082	.00040	.00000	.00253	.00404	.00004	.00012	.00263
%RSD	.03513	.45840	.02655	.16291	27.939	.00080	.25630	19.458	.00728	.02446	.54365
#1	.98691	4.2980	.98613	.50437	-.00114	.48399	.98631	.01790	.49854	.48917	.48527
#2	.98642	4.3260	.98650	.50321	-.00170	.48398	.98989	.02361	.49859	.48900	.48156
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		5.0000									
Range		-10.000%									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3637.2**	**61673.**	**4500.8**
Stddev	11.3	235.	5.9
%RSD	.31174	.38178	.13084
#1	3645.2	61507.	4504.9
#2	3629.1	61840.	4496.6

Sample Name: CCB Acquired: 8/26/2011 22:37:18 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00051**	W **.00533**	F **.00371**	W **.00070**	**-.00012**	**-.00149**	**.00031**	**-.00021**	**.00015**	**-.00003**
Stddev	.00083	.00119	.00295	.00016	.00021	.00011	.00089	.00591	.00009	.00037	.00012
%RSD	563.70	234.77	55.425	4.1960	29.727	94.645	59.474	1890.6	43.902	254.52	415.87
#1	.00044	-.00034	.00741	.00382	.00085	-.00019	-.00211	.00449	-.00027	-.00012	-.00012
#2	-.00073	.00135	.00324	.00360	.00055	-.00004	-.00086	-.00387	-.00014	.00041	.00006
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00440	.00312	.00058						
Low Limit			-.00440	-.00312	-.00058						

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00041**	**.09213**	**.00146**	**.00395**	**.00004**	**.00219**	F **.48830**	**.00024**	**-.00020**	**.00036**
Stddev	.00032	.00324	.00390	.00056	.00293	.00001	.00039	.00942	.00016	.00143	.00012
%RSD	80.243	799.39	4.2371	38.349	74.125	36.229	17.580	1.9300	67.492	725.85	32.327
#1	.00017	-.00189	.09489	.00107	.00188	.00005	.00192	.49497	.00035	.00081	.00028
#2	.00063	.00270	.08937	.00186	.00603	.00003	.00247	.48164	.00012	-.00121	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.10000			
Low Limit								-.10000			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01262**	F **.00763**	**.00172**	**.00070**	**.00019**	**.00004**	**-.00104**	**.00005**	**.00125**	**.01965**	**-.00036**
Stddev	.00145	.00023	.00412	.02309	.00074	.00000	.00167	.00041	.00047	.00266	.00011
%RSD	11.514	3.0176	239.90	3276.2	393.75	4.0090	160.53	836.90	37.389	13.520	29.318
#1	.01159	.00747	-.00120	-.01562	-.00033	.00004	-.00223	-.00024	.00092	.01777	-.00029
#2	.01365	.00780	.00463	.01703	.00071	.00004	.00014	.00033	.00158	.02153	-.00044
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00161**	W **.00464**
Stddev	.00030	.00133
%RSD	18.881	28.544
#1	.00140	.00558
#2	.00183	.00371
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3684.7**	**62753.**	**4503.7**
Stddev	.1	97.	2.5
%RSD	.00186	.15514	.05586
#1	3684.7	62684.	4505.5
#2	3684.8	62822.	4501.9

Sample Name: CCVL946273 Acquired: 8/26/2011 22:39:54 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01106**	**.10057**	**.01785**	**.10487**	**.01086**	**.00096**	**.11604**	**.18327**	**.00488**	**.01037**	**.01008**
Stddev	.00029	.00059	.00460	.00040	.00040	.00011	.00142	.00224	.00007	.00001	.00005
%RSD	2.6002	.58590	25.795	.38324	3.7159	11.256	1.2227	1.2199	1.4087	.06977	.54070
#1	.01086	.10099	.01459	.10515	.01115	.00089	.11503	.18485	.00483	.01037	.01004
#2	.01126	.10016	.02110	.10458	.01058	.00104	.11704	.18169	.00492	.01036	.01012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01581**	**.09608**	**3.2033**	**.01049**	**.20671**	**.01039**	**.01911**	F **1.5646**	**.04095**	**2.8245**	**.00752**
Stddev	.00041	.00148	.0121	.00344	.00193	.00002	.00013	.0007	.00011	.0051	.00104
%RSD	2.5785	1.5366	.37864	32.840	.93592	.23192	.65633	.04553	.27054	.18130	13.809
#1	.01552	.09713	3.1947	.01292	.20534	.01041	.01919	1.5641	.04087	2.8209	.00826
#2	.01610	.09504	3.2118	.00805	.20808	.01038	.01902	1.5651	.04103	2.8281	.00679
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value								1.0000			
Range								30.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01571**	F **.01457**	**.01455**	**.41836**	**.09956**	**.01026**	**.01391**	**.00943**	**.01764**	**.05980**	**.00960**
Stddev	.00304	.00046	.00123	.01187	.00092	.00009	.00058	.00020	.00105	.00151	.00050
%RSD	19.353	3.1896	8.4501	2.8363	.92594	.90398	4.1814	2.1564	5.9334	2.5277	5.2162
#1	.01356	.01490	.01368	.42675	.09891	.01032	.01350	.00929	.01838	.06086	.00996
#2	.01786	.01425	.01542	.40997	.10021	.01019	.01432	.00958	.01690	.05873	.00925
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.01000									
Range		30.000%									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02251**	W **.01881**
Stddev	.00023	.00088
%RSD	1.0178	4.6513
#1	.02235	.01819
#2	.02267	.01943
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3688.9**	**63160.**	**4541.6**
Stddev	.3	95.	25.2
%RSD	.00688	.15059	.55392
#1	3688.8	63093.	4523.9
#2	3689.1	63227.	4559.4

Sample Name: 280-19453-c-14-b Acquired: 8/26/2011 22:42:38 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82960 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	.16890	.00365	.01205	.01784	.00001	-.00285	1.9982	-.00033	.00043
Stddev	.00071	.00232	.00254	.00083	.00004	.00007	.00258	.0165	.00000	.00001
%RSD	314.86	1.3727	69.677	6.8921	.25058	1010.0	90.332	.82555	.69415	2.4122
#1	.00073	.17054	.00185	.01263	.01781	.00006	-.00468	2.0099	-.00033	.00042
#2	-.00028	.16726	.00544	.01146	.01787	-.00004	-.00103	1.9866	-.00034	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00034	.00056	.03630	.28937	.00505	1.0846	.00849	-.00052	4.8201	.00041
Stddev	.00017	.00009	.00151	.03959	.00174	.0020	.00003	.00019	.0003	.00020
%RSD	50.436	15.428	4.1478	13.682	34.509	.18376	.36295	35.776	.00619	50.459
#1	.00022	.00062	.03524	.26138	.00629	1.0860	.00851	-.00066	4.8199	.00026
#2	.00047	.00050	.03737	.31737	.00382	1.0832	.00846	-.00039	4.8203	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01576	-.00070	.09099	.00046	-.00223	3.1980	.00209	.01512	-.00125	.00533
Stddev	.00171	.00112	.00261	.00040	.00210	.0034	.00077	.00009	.00023	.00028
%RSD	10.831	160.19	2.8641	88.031	94.250	.10711	36.707	.61403	18.640	5.1746
#1	.01697	-.00149	.09284	.00074	-.00372	3.1956	.00154	.01506	-.00141	.00514
#2	.01455	.00009	.08915	.00017	-.00074	3.2004	.00263	.01519	-.00108	.00553
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00024	-.01314	-.00040	.00237	.00419
Stddev	.00106	.02802	.00004	.00042	.00005
%RSD	443.98	213.25	9.3275	17.917	1.1660
#1	-.00051	-.03295	-.00042	.00207	.00423
#2	.00099	.00667	-.00037	.00267	.00416
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3758.8	63811.	4618.2
Stddev	1.9	205.	2.8
%RSD	.04943	.32159	.06076
#1	3757.5	63666.	4620.1
#2	3760.1	63956.	4616.2

Sample Name: 280-19453-c-15-b Acquired: 8/26/2011 22:45:13 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82960 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.45083**	**.00457**	**.01023**	**.00607**	**-.00004**	**-.00400**	**1.6131**	**-.00027**	**.00012**
Stddev	.00009	.00512	.00139	.00018	.00002	.00001	.00065	.0019	.00010	.00008
%RSD	1637.0	1.1353	30.461	1.7615	.29947	31.656	16.210	.12066	36.361	64.099
#1	-.00007	.45445	.00556	.01010	.00609	-.00005	-.00354	1.6117	-.00034	.00007
#2	.00006	.44721	.00359	.01036	.00606	-.00003	-.00446	1.6145	-.00020	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00049**	**.05668**	**.17947**	**.00182**	**.87587**	**.00166**	**-.00068**	**3.2071**	**.00014**
Stddev	.00011	.00031	.00319	.03916	.00021	.00623	.00002	.00002	.0180	.00005
%RSD	22.767	63.619	5.6260	21.822	11.385	.71126	1.3233	3.1804	.56152	33.448
#1	.00041	.00071	.05893	.20717	.00168	.87147	.00168	-.00069	3.2199	.00011
#2	.00057	.00027	.05443	.15178	.00197	.88028	.00165	-.00066	3.1944	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00545**	**-.00167**	**.06832**	**-.00054**	**-.00005**	**3.1488**	**-.00093**	**.00880**	**-.00090**	**.01381**
Stddev	.00008	.00102	.00168	.00028	.00086	.0072	.00084	.00007	.00140	.00058
%RSD	1.4725	60.750	2.4535	52.036	1754.0	.22841	90.114	.75822	155.06	4.1869
#1	.00539	-.00096	.06950	-.00034	-.00065	3.1437	-.00034	.00875	.00009	.01340
#2	.00550	-.00239	.06713	-.00074	.00056	3.1538	-.00152	.00885	-.00189	.01421
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.01111**	**.00055**	**.00201**	**.00416**
Stddev	.00010	.00776	.00025	.00013	.00067
%RSD	58.225	69.803	45.391	6.4964	16.162
#1	-.00010	.00563	.00073	.00192	.00464
#2	-.00025	.01660	.00038	.00210	.00368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3761.0**	**63850.**	**4616.4**
Stddev	4.5	85.	12.9
%RSD	.11855	.13307	.28025
#1	3757.9	63910.	4607.3
#2	3764.2	63790.	4625.6

Sample Name: 280-19453-c-16-d Acquired: 8/26/2011 22:47:49 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82960 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**1.0892**	**.00249**	**.01029**	**.00454**	**.00000**	**.00031**	**1.1860**	**-.00026**	**.00017**
Stddev	.00006	.0029	.00001	.00001	.00036	.00003	.00177	.0004	.00014	.00003
%RSD	176.70	.26144	.50862	.11017	7.9026	859.75	572.18	.03123	54.645	18.427
#1	-.00001	1.0912	.00250	.01029	.00429	-.00002	.00156	1.1858	-.00036	.00015
#2	.00007	1.0872	.00248	.01028	.00480	.00003	-.00094	1.1863	-.00016	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.00114**	**.14389**	**.21977**	**.00589**	**.71376**	**.00352**	**-.00081**	**3.7957**	**.00060**
Stddev	.00005	.00033	.00511	.00574	.00039	.00121	.00011	.00003	.0103	.00007
%RSD	6.6447	28.833	3.5517	2.6111	6.6437	.16915	3.0148	3.3108	.27231	10.891
#1	.00079	.00091	.14750	.21571	.00617	.71462	.00360	-.00083	3.7884	.00065
#2	.00072	.00138	.14027	.22382	.00561	.71291	.00345	-.00079	3.8030	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00616**	**-.00054**	**.11863**	**.00050**	W **-.00579**	**4.2273**	**.00025**	**.00726**	**-.00124**	**.04372**
Stddev	.00196	.00140	.00221	.00097	.00240	.0085	.00079	.00007	.00029	.00035
%RSD	31.841	261.39	1.8658	195.32	41.470	.20103	310.38	.96113	23.572	.79209
#1	.00755	-.00153	.12020	.00118	-.00749	4.2334	.00081	.00731	-.00145	.04347
#2	.00478	.00046	.11707	-.00019	-.00409	4.2213	-.00030	.00722	-.00104	.04396
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.00580**	**.00041**	**.00457**	**.00473**
Stddev	.00045	.00866	.00018	.00066	.00087
%RSD	156.22	149.26	43.027	14.487	18.426
#1	.00003	.01193	.00029	.00504	.00535
#2	-.00060	-.00032	.00054	.00410	.00412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3741.3**	**63501.**	**4612.0**
Stddev	.6	9.	9.8
%RSD	.01488	.01451	.21213
#1	3741.7	63508.	4618.9
#2	3740.9	63495.	4605.1

Sample Name: 280-19453-c-17-b Acquired: 8/26/2011 22:50:24 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82960 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00072	.05453	.00263	.22351	.02041	.00004	-.00084	4.5480	-.00015	.00032
Stddev	.00018	.00033	.00068	.00064	.00011	.00001	.00158	.0030	.00015	.00020
%RSD	25.502	.60373	25.714	.28547	.51534	33.974	187.51	.06600	96.596	60.422
#1	.00085	.05430	.00215	.22306	.02034	.00005	-.00196	4.5459	-.00005	.00019
#2	.00059	.05476	.00310	.22396	.02049	.00003	.00027	4.5501	-.00025	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00017	.00077	.05192	1.1685	.00298	1.9067	.00944	-.00072	28.761	.00000
Stddev	.00001	.00035	.00004	.0469	.00416	.0004	.00004	.00005	.170	.00024
%RSD	6.9396	45.612	.07071	4.0108	139.36	.01912	.46246	6.6883	.59042	6751.9
#1	.00018	.00102	.05190	1.1354	.00592	1.9070	.00941	-.00076	28.881	.00017
#2	.00017	.00052	.05195	1.2017	.00004	1.9064	.00947	-.00069	28.641	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00857	.00065	1.3967	.00105	-.00266	2.2072	-.00042	.02351	-.00051	.00070
Stddev	.00275	.00060	.0055	.00060	.00017	.0207	.00001	.00001	.00059	.00072
%RSD	32.140	92.247	.39177	56.893	6.5037	.93905	2.3250	.06219	115.62	102.60
#1	.00662	.00108	1.3929	.00063	-.00278	2.1926	-.00043	.02352	-.00009	.00019
#2	.01051	.00023	1.4006	.00148	-.00254	2.2219	-.00041	.02350	-.00093	.00121
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00132	.00914	-.00022	.00166	.00164
Stddev	.00088	.01624	.00027	.00006	.00043
%RSD	66.663	177.54	123.44	3.5637	25.918
#1	.00070	.02063	-.00003	.00162	.00195
#2	.00195	-.00234	-.00040	.00170	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3727.4	63240.	4599.2
Stddev	.8	116.	10.1
%RSD	.02056	.18380	.22041
#1	3727.9	63323.	4606.3
#2	3726.8	63158.	4592.0

Sample Name: 280-19453-c-18-b Acquired: 8/26/2011 22:52:58 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82960 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.01275**	**.00191**	**.01260**	**.00089**	**-.00006**	**-.00080**	**34.581**	**-.00034**	**.00000**
Stddev	.00008	.00007	.00054	.00083	.00013	.00000	.00321	.039	.00012	.00001
%RSD	24.659	.56122	28.200	6.6274	14.116	.97401	401.59	.11200	36.213	350.70
#1	.00028	.01270	.00153	.01201	.00080	-.00006	.00147	34.554	-.00025	.00001
#2	.00040	.01280	.00229	.01319	.00098	-.00006	-.00307	34.609	-.00042	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00601**	**.00047**	**.03727**	**.35323**	**.00272**	**.88722**	**.00385**	**-.00062**	**2.3862**	**.00009**
Stddev	.00038	.00019	.00013	.07427	.00004	.00182	.00002	.00033	.0186	.00020
%RSD	6.2817	40.626	.34671	21.025	1.6422	.20491	.61986	52.517	.77769	219.66
#1	.00574	.00061	.03718	.30071	.00275	.88850	.00384	-.00039	2.3731	-.00005
#2	.00627	.00034	.03736	.40574	.00268	.88593	.00387	-.00086	2.3994	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04719**	W **-.00304**	**.50886**	**-.00021**	**.00022**	**2.3531**	**-.00005**	**.02017**	**-.00160**	**-.00003**
Stddev	.00044	.00043	.00042	.00020	.00002	.0363	.00098	.00005	.00151	.00007
%RSD	.94205	14.118	.08337	95.306	9.8863	1.5410	1864.1	.24565	93.871	212.59
#1	.04688	-.00334	.50856	-.00035	.00024	2.3787	-.00075	.02013	-.00054	.00002
#2	.04751	-.00273	.50916	-.00007	.00021	2.3274	.00064	.02020	-.00267	-.00008
Check ?	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000								
Low Limit		-.00300								

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00126**	**.01502**	**-.00054**	**.00212**	**.00427**
Stddev	.00123	.01056	.00029	.00029	.00024
%RSD	97.954	70.323	54.275	13.812	5.7355
#1	.00213	.00755	-.00074	.00191	.00409
#2	.00039	.02249	-.00033	.00233	.00444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3729.2**	**63757.**	**4633.1**
Stddev	.0	104.	.2
%RSD	.00021	.16380	.00432
#1	3729.2	63683.	4633.0
#2	3729.2	63830.	4633.3

Sample Name: 280-19453-c-19-b Acquired: 8/26/2011 22:55:34 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82960 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00010	.09271	.00154	.01156	.00239	-.00010	-.00135	37.893	-.00043	-.00002
Stddev	.00013	.00051	.00137	.00049	.00029	.00009	.00016	.066	.00013	.00044
%RSD	122.84	.55142	89.095	4.2667	12.201	85.022	11.847	.17392	30.304	1815.7
#1	.00001	.09235	.00057	.01122	.00219	-.00004	-.00124	37.847	-.00034	-.00033
#2	.00019	.09307	.00251	.01191	.00260	-.00016	-.00146	37.940	-.00052	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00128	.00010	.13563	.26507	.00189	.76927	.01628	-.00087	3.0407	.00044
Stddev	.00002	.00026	.00023	.05833	.00151	.00025	.00001	.00008	.0006	.00013
%RSD	1.6287	246.77	.17196	22.005	79.930	.03239	.08139	9.6956	.02022	28.387
#1	.00127	.00029	.13580	.30631	.00296	.76945	.01629	-.00093	3.0403	.00053
#2	.00130	-.00008	.13547	.22382	.00082	.76910	.01627	-.00081	3.0411	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04884	-.00249	.23240	-.00123	-.00244	2.3203	.00026	.02861	-.00034	.00192
Stddev	.00078	.00150	.00107	.00177	.00306	.0131	.00078	.00018	.00117	.00028
%RSD	1.6043	60.417	.46221	144.46	125.37	.56598	304.78	.61936	343.66	14.446
#1	.04939	-.00142	.23164	-.00248	-.00028	2.3110	-.00030	.02848	-.00117	.00212
#2	.04828	-.00355	.23316	.00003	-.00461	2.3296	.00081	.02873	.00049	.00173
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00024	-.00214	-.00068	.00316	.00244
Stddev	.00131	.01619	.00031	.00013	.00074
%RSD	551.99	754.79	45.649	3.9904	30.300
#1	.00069	.00930	-.00090	.00307	.00192
#2	-.00116	-.01359	-.00046	.00325	.00297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3712.9	63174.	4635.6
Stddev	2.3	234.	16.1
%RSD	.06126	.37103	.34640
#1	3714.5	63340.	4647.0
#2	3711.3	63008.	4624.3

Sample Name: 280-19453-c-20-b Acquired: 8/26/2011 22:58:09 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82960 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00038	.41715	.00346	.02113	.00545	-.00003	-.00073	33.553	-.00043	.00009
Stddev	.00008	.00210	.00003	.00020	.00012	.00009	.00097	.128	.00010	.00008
%RSD	21.864	.50285	.76401	.95500	2.2655	315.06	131.86	.38085	23.479	88.156
#1	.00044	.41863	.00348	.02127	.00536	.00004	-.00005	33.644	-.00051	.00003
#2	.00032	.41566	.00344	.02099	.00553	-.00010	-.00142	33.463	-.00036	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00641	.00068	.07060	.56905	.00239	.52421	.00388	-.00013	4.6511	.00044
Stddev	.00021	.00001	.00179	.01841	.00022	.00108	.00005	.00005	.0270	.00025
%RSD	3.3136	1.3119	2.5386	3.2343	9.0649	.20638	1.3361	35.471	.58134	56.611
#1	.00656	.00069	.06934	.58207	.00224	.52498	.00384	-.00017	4.6702	.00062
#2	.00626	.00067	.07187	.55604	.00254	.52345	.00391	-.00010	4.6320	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02915	-.00084	1.3708	-.00054	-.00032	2.9650	.00185	.05444	-.00061	.00576
Stddev	.00143	.00260	.0093	.00104	.00133	.0023	.00034	.00024	.00038	.00017
%RSD	4.8997	309.76	.67945	193.83	420.70	.07616	18.486	.43879	61.919	2.9150
#1	.02814	.00100	1.3642	.00020	.00062	2.9666	.00160	.05461	-.00034	.00587
#2	.03016	-.00268	1.3774	-.00127	-.00125	2.9634	.00209	.05427	-.00088	.00564
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00027	.00640	.00342	.00890	.00266
Stddev	.00025	.00227	.00071	.00020	.00217
%RSD	90.177	35.558	20.923	2.2792	81.704
#1	.00045	.00479	.00291	.00875	.00419
#2	.00010	.00800	.00392	.00904	.00112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3732.4	63653.	4674.2
Stddev	.2	2.	20.4
%RSD	.00541	.00277	.43723
#1	3732.2	63652.	4659.8
#2	3732.5	63654.	4688.7

Sample Name: 280-19453-c-21-b Acquired: 8/26/2011 23:00:45 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82960 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.03218**	**.00446**	**.01419**	**.00192**	**.00005**	**-.00082**	**46.735**	**-.00019**	**.00018**
Stddev	.0004	.00113	.00060	.00015	.00055	.00008	.00094	.065	.00019	.00027
%RSD	15245.	3.5258	13.466	1.0739	28.516	153.45	115.40	.13814	95.808	152.25
#1	-.00030	.03138	.00403	.01409	.00154	.00000	-.00015	46.780	-.00006	-.00001
#2	.00030	.03299	.00488	.01430	.00231	.00010	-.00148	46.689	-.00032	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00159**	**.00058**	**.02497**	**.30592**	**.00465**	**.84079**	**.00106**	**-.00084**	**5.9193**	**.00009**
Stddev	.00001	.00024	.00083	.03460	.00045	.00179	.00003	.00005	.0084	.00031
%RSD	.84709	42.264	3.3389	11.310	9.6952	.21235	2.5731	5.8917	.14122	356.05
#1	.00160	.00075	.02556	.33038	.00497	.84205	.00104	-.00088	5.9252	.00031
#2	.00158	.00040	.02438	.28145	.00433	.83953	.00108	-.00081	5.9134	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02892**	**.00069**	**.54025**	**.00126**	**-.00139**	**2.9010**	**-.00023**	**.02638**	**-.00287**	**.00021**
Stddev	.00179	.00027	.00484	.00146	.00064	.0030	.00032	.00010	.00026	.00009
%RSD	6.1809	38.967	.89548	116.16	46.443	.10481	137.76	.36480	9.0966	39.994
#1	.02766	.00050	.53683	.00229	-.00184	2.8988	-.00045	.02632	-.00268	.00015
#2	.03018	.00089	.54367	.00022	-.00093	2.9031	-.00001	.02645	-.00305	.00028
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00128**	**.03861**	**.00029**	**.00146**	**.00315**
Stddev	.00015	.02180	.00023	.00055	.00285
%RSD	11.882	56.455	78.925	37.773	90.369
#1	.00139	.05402	.00045	.00185	.00114
#2	.00117	.02319	.00013	.00107	.00517
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3709.5**	**63301.**	**4640.9**
Stddev	6.8	53.	2.5
%RSD	.18276	.08372	.05480
#1	3714.3	63264.	4642.7
#2	3704.7	63339.	4639.1

Sample Name: CCVH-940568 Acquired: 8/26/2011 23:03:20 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00586**	**45.411**	k **-.00134**	**.00245**	k **.00115**	k **-.00008**	k **.98177**	k **.00267**	k **-.00160**	k **.00218**	k **.00051**
Stddev	.00002	.029	.00070	.00058	.00028	.00001	.00067	.00174	.00005	.00006	.00001
%RSD	.26662	.06451	52.119	23.611	24.486	13.501	.06830	65.341	2.9623	2.8524	1.2360
#1	k -.00587	45.432	k -.00085	.00204	k .00135	k -.00009	k .98130	k .00390	k -.00164	k .00222	k .00051
#2	k -.00585	45.391	k -.00184	.00286	k .00095	k -.00008	k .98225	k .00144	k -.00157	k .00214	k .00051
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None
Value											
Range											

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01389**	kF **43.522**	**.09133**	k **.00164**	k **-.34958**	**-.00008**	**-.00269**	F **276.66**	**.00134**	**.00256**	k **.00589**
Stddev	.00010	.079	.01636	.00084	.00101	.00002	.00007	.25	.00000	.00177	.00043
%RSD	.75067	.18200	17.909	51.389	.28938	30.104	2.5653	.09099	.17419	69.058	7.2381
#1	k .01396	k 43.466	.07976	k .00224	k -.34886	-.00009	-.00264	276.48	.00134	.00131	k .00559
#2	k .01381	k 43.578	.10289	k .00105	k -.35029	-.00006	-.00274	276.84	.00135	.00381	k .00619
Check ?	None	Chk Fail	None	None	None	None	None	Chk Fail	None	None	None
Value		50.000						250.00			
Range		-10.000%						10.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9285**	k **-.01952**	k **-.01125**	k **.02143**	k **.00211**	**.00038**	k **5.1171**	k **.03462**	k **-.00246**	k **10.253**	k **-.00733**
Stddev	.0104	.00002	.00064	.02590	.00016	.00002	.0018	.00017	.00003	.005	.00011
%RSD	.20992	.10055	5.6969	120.90	7.7283	6.3516	.03497	.48781	1.2634	.05261	1.5191
#1	4.9212	k -.01950	k -.01080	k .03974	k .00223	.00036	k 5.1159	k .03474	k -.00243	k 10.249	k -.00741
#2	4.9358	k -.01953	k -.01171	k .00311	k .00200	.00039	k 5.1184	k .03450	k -.00248	k 10.257	k -.00725
Check ?	None	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None
Value											
Range											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	k **.00311**	k **.35340**
Stddev	.00050	.00132
%RSD	16.072	.37365
#1	k .00276	k .35246
#2	k .00346	k .35433
Check ?	None	None
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3604.6**	**60618.**	**4561.9**
Stddev	4.4	34.	37.2
%RSD	.12318	.05601	.81578
#1	3607.8	60642.	4535.6
#2	3601.5	60594.	4588.2

Sample Name: CCV-940591 Acquired: 8/26/2011 23:05:59 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50797**	**.49634**	**.99816**	**.50145**	**.51848**	**.45884**	**-.00001**	**4.5785**	**.50805**	**.49422**	**.49578**	**.50577**
Stddev	.00182	.00368	.00198	.00048	.00043	.00004	.00320	.0013	.00063	.00016	.00044	.00074
%RSD	.35830	.74149	.19882	.09671	.08229	.00970	34863.	.02915	.12360	.03147	.08903	.14604
#1	.50669	.49374	.99956	.50180	.51878	.45887	-.00227	4.5794	.50760	.49411	.49547	.50525
#2	.50926	.49894	.99676	.50111	.51817	.45880	.00225	4.5775	.50849	.49433	.49610	.50630
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.1492**	**52.368**	**1.0793**	**19.722**	**.49932**	**.50119**	F **5.8892**	**.49947**	**.96176**	**1.0073**	**.01947**	**.99504**
Stddev	.0066	.099	.0056	.063	.00131	.00031	.0066	.00041	.00011	.0009	.00174	.00146
%RSD	.30708	.18930	.51521	.31786	.26330	.06113	.11131	.08150	.01165	.08552	8.9576	.14706
#1	2.1445	52.298	1.0832	19.677	.49839	.50141	5.8846	.49918	.96168	1.0079	.02070	.99400
#2	2.1539	52.438	1.0754	19.766	.50025	.50097	5.8938	.49976	.96184	1.0067	.01824	.99607
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value	2.5000						5.0000					
Range	-10.000%						10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99570**	F **4.3143**	**.99538**	**.50961**	**.00072**	**.48787**	**.99383**	**.01969**	**.50211**	**.49418**	**.49415**
Stddev	.00319	.0057	.00125	.00136	.00163	.00040	.00168	.00027	.00151	.00107	.00208
%RSD	.32006	.13213	.12541	.26661	225.31	.08269	.16919	1.3946	.30104	.21700	.42154
#1	.99345	4.3183	.99626	.51057	.00188	.48758	.99264	.01988	.50104	.49342	.49562
#2	.99796	4.3103	.99450	.50865	-.00043	.48815	.99502	.01949	.50318	.49494	.49267
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		5.0000									
Range		-10.000%									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3652.9**	**61928.**	**4534.3**
Stddev	2.2	315.	3.7
%RSD	.05922	.50937	.08054
#1	3654.4	62152.	4531.7
#2	3651.4	61705.	4536.9

Sample Name: CCB Acquired: 8/26/2011 23:08:22 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00025**	**.00440**	W **.00198**	W **.00081**	**-.00003**	**-.00060**	**-.00307**	**-.00013**	**.00019**	**.00012**
Stddev	.00062	.00174	.00465	.00007	.00026	.00004	.00135	.00005	.00004	.00035	.00011
%RSD	203.56	702.55	105.88	3.4668	32.266	135.87	223.46	1.6188	33.625	181.91	85.746
#1	-.00013	.00148	.00110	.00202	.00063	.00000	.00035	-.00311	-.00016	-.00006	.00020
#2	.00075	-.00098	.00769	.00193	.00100	-.00006	-.00156	-.00304	-.00010	.00044	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156	.00058						
Low Limit				-.00156	-.00058						

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00298**	**.05728**	W **.00339**	**.00396**	**.00002**	**.00226**	F **.38482**	**-.00014**	**-.00029**	**-.00087**
Stddev	.00008	.00170	.00170	.00034	.00094	.00003	.00120	.03257	.00023	.00211	.00165
%RSD	39.785	57.152	2.9701	10.029	23.843	154.49	53.104	8.4629	159.61	725.26	190.33
#1	.00026	.00419	.05848	.00315	.00329	.00004	.00141	.36180	-.00030	-.00178	-.00204
#2	.00015	.00178	.05607	.00363	.00462	.00000	.00311	.40785	.00002	.00120	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.10000			
Low Limit				-.00261				-.10000			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01325**	F **.00964**	**.00382**	**-.01412**	**-.00010**	**-.00004**	**-.00084**	**.00031**	**.00185**	**.03640**	**-.00016**
Stddev	.00119	.00409	.00080	.01410	.00006	.00004	.00099	.00026	.00035	.00217	.00001
%RSD	8.9521	42.476	20.856	99.833	58.171	113.44	116.79	81.637	19.001	5.9483	4.3622
#1	.01241	.00674	.00326	-.00415	-.00006	-.00007	-.00015	.00049	.00210	.03487	-.00016
#2	.01408	.01253	.00439	-.02409	-.00014	-.00001	-.00154	.00013	.00160	.03793	-.00017
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00200**	W **.00332**
Stddev	.00029	.00011
%RSD	14.395	3.2845
#1	.00180	.00324
#2	.00221	.00340
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3714.6**	**63422.**	**4519.6**
Stddev	10.7	171.	.2
%RSD	.28825	.26971	.00455
#1	3722.2	63301.	4519.5
#2	3707.1	63543.	4519.8

Sample Name: CCVL946273 Acquired: 8/26/2011 23:10:59 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01074**	**.10008**	**.01744**	**.10354**	**.01115**	**.00093**	W **.12220**	**.17901**	**.00512**	**.01038**	**.00998**
Stddev	.00020	.00052	.00087	.00024	.00012	.00004	.00054	.00599	.00004	.00009	.00005
%RSD	1.8484	.51956	4.9659	.23584	1.0827	4.5699	.43833	3.3452	.70632	.89884	.48365
#1	.01088	.10045	.01683	.10337	.01124	.00096	.12182	.18324	.00510	.01044	.01001
#2	.01060	.09972	.01805	.10371	.01107	.00090	.12258	.17477	.00515	.01031	.00994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							20.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01561**	**.09007**	**3.2018**	W **.01293**	**.20548**	**.01037**	**.01943**	F **1.4748**	**.04108**	**2.8175**	**.00873**
Stddev	.00015	.00317	.0385	.00041	.00189	.00004	.00039	.0090	.00002	.0003	.00068
%RSD	.94507	3.5201	1.2029	3.2036	.92177	.36962	2.0217	.61103	.05554	.01162	7.7698
#1	.01551	.09231	3.1746	.01323	.20414	.01039	.01971	1.4684	.04109	2.8178	.00920
#2	.01572	.08783	3.2291	.01264	.20681	.01034	.01916	1.4812	.04106	2.8173	.00825
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				.01000				1.0000			
Range				20.000%				30.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01110**	F **.01456**	**.01283**	**.44468**	**.10005**	**.01013**	W **.01160**	**.00957**	**.01638**	**.06413**	**.00911**
Stddev	.00120	.00026	.00013	.00124	.00028	.00020	.00130	.00003	.00102	.02809	.00008
%RSD	10.838	1.7669	1.0051	.27828	.28159	1.9754	11.219	.32168	6.2207	43.808	.92219
#1	.01195	.01438	.01293	.44380	.09985	.00999	.01068	.00955	.01711	.04426	.00905
#2	.01025	.01475	.01274	.44555	.10025	.01028	.01252	.00959	.01566	.08399	.00917
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.01000					.01500				
Range		30.000%					-20.000%				

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02127**	**.01554**
Stddev	.00011	.00167
%RSD	.50231	10.741
#1	.02119	.01673
#2	.02134	.01436
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3708.1**	**63576.**	**4582.1**
Stddev	.7	290.	32.7
%RSD	.01938	.45676	.71403
#1	3708.6	63781.	4605.3
#2	3707.6	63371.	4559.0

Sample Name: mb 280-83077/1-a Acquired: 8/26/2011 23:13:33 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83077 SOIL 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00062	.00514	.00198	.00256	.00080	-.00006	-.00231	.04631	-.00011	-.00014
Stddev	.00013	.00027	.00138	.00067	.00052	.00006	.00336	.00398	.00000	.00011
%RSD	20.952	5.2344	69.524	26.119	65.838	94.484	145.58	8.5886	2.9248	82.629
#1	.00053	.00533	.00295	.00209	.00043	-.00002	-.00468	.04350	-.00011	-.00022
#2	.00071	.00495	.00101	.00303	.00117	-.00010	.00007	.04912	-.00011	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00025	.00058	.01502	.06926	-.00021	.00887	.00040	-.00026	.41229	.00009
Stddev	.00020	.00020	.00046	.01832	.00133	.00170	.00001	.00014	.00498	.00030
%RSD	80.615	34.265	3.0535	26.459	634.72	19.146	1.8870	54.474	1.2083	324.72
#1	.00011	.00072	.01470	.08221	-.00115	.01008	.00040	-.00016	.40877	-.00012
#2	.00039	.00044	.01535	.05630	.00073	.00767	.00039	-.00036	.41582	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00427	-.00131	.03322	.00032	-.00127	.00007	.00880	.00017	-.00154	.00034
Stddev	.00070	.00107	.00537	.00025	.00226	.00735	.00022	.00012	.00140	.00011
%RSD	16.401	81.567	16.175	77.645	177.76	10452.	2.5473	74.311	91.438	33.843
#1	.00477	-.00056	.03702	.00014	-.00286	-.00512	.00896	.00008	-.00253	.00026
#2	.00378	-.00207	.02942	.00049	.00033	.00526	.00864	.00025	-.00054	.00042
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00070	-.01271	-.00054	.00330	.00303
Stddev	.00013	.00575	.00041	.00004	.00272
%RSD	18.365	45.241	74.805	1.1960	89.982
#1	.00061	-.00864	-.00083	.00332	.00495
#2	.00079	-.01678	-.00026	.00327	.00110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3775.2	65289.	4631.0
Stddev	7.2	31.	6.0
%RSD	.19133	.04706	.13005
#1	3780.3	65310.	4635.3
#2	3770.1	65267.	4626.8

Sample Name: lcs 280-83077/2-a Acquired: 8/26/2011 23:16:10 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83077 SOIL 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04542**	**1.7339**	**.96402**	**.93763**	**1.9892**	**.04405**	F **2.2105**	F **43.315**	**.10147**	**.46496**
Stddev	.00029	.0131	.00158	.00039	.0001	.00015	.0089	.043	.00036	.00019
%RSD	.64747	.75811	.16405	.04188	.00469	.34158	.40472	.10030	.35612	.04052
#1	.04563	1.7432	.96514	.93735	1.9893	.04394	2.2168	43.346	.10121	.46483
#2	.04522	1.7246	.96291	.93791	1.9892	.04416	2.2042	43.284	.10172	.46509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit							2.2000	55.000		
Low Limit							1.8000	44.500		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19011**	**.24256**	F **.82220**	**50.909**	**1.0321**	**46.583**	**.47209**	**.96491**	**54.435**	**.46715**
Stddev	.00007	.00056	.00024	.029	.0027	.051	.00110	.00124	.161	.00057
%RSD	.03690	.23214	.02876	.05763	.26615	.10979	.23240	.12805	.29501	.12212
#1	.19006	.24296	.82237	50.888	1.0302	46.619	.47286	.96579	54.548	.46755
#2	.19016	.24216	.82203	50.930	1.0340	46.546	.47131	.96404	54.321	.46675
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			1.1400							
Low Limit			.88000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.4042**	**.47541**	**.03406**	**.48587**	**1.9110**	F **1.8952**	**1.8935**	**.98054**	**.91603**	**.95022**
Stddev	.0084	.00051	.00543	.00032	.0076	.0095	.0004	.00053	.00335	.00033
%RSD	.08968	.10664	15.954	.06663	.39624	.50180	.02157	.05404	.36526	.03436
#1	9.3982	.47577	.03790	.48564	1.9164	1.8885	1.8938	.98017	.91840	.95045
#2	9.4102	.47506	.03021	.48610	1.9057	1.9019	1.8932	.98092	.91366	.94999
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500				
Low Limit						9.4000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8641**	**2.0362**	**.48154**	**.46528**	**.48060**
Stddev	.0013	.0295	.00148	.00053	.00409
%RSD	.06852	1.4463	.30765	.11305	.85185
#1	1.8632	2.0154	.48259	.46491	.48349
#2	1.8650	2.0570	.48049	.46565	.47770
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3613.4**	**61341.**	**4585.5**
Stddev	.8	23.	14.0
%RSD	.02085	.03779	.30564
#1	3613.9	61324.	4595.4
#2	3612.8	61357.	4575.6

Sample Name: 280-19478-a-2-f Acquired: 8/26/2011 23:18:31 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83077 SOIL 6010

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00102**	**114.07**	**.04641**	**.02069**	**.65838**	**.00561**	**-.00100**	**12.779**	**.00153**	**.05529**
Stddev	.00029	.06	.00025	.00047	.00072	.00009	.00340	.048	.00003	.00013
%RSD	28.649	.04970	.52892	2.2579	.11001	1.6628	338.54	.37495	1.6530	.24085
#1	-.00081	114.03	.04659	.02102	.65786	.00567	-.00341	12.746	.00154	.05539
#2	-.00122	114.11	.04624	.02036	.65889	.00554	.00140	12.813	.00151	.05520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16107**	**.08427**	**141.04**	**26.019**	**.24616**	**29.652**	**2.0572**	**.00702**	**2.1052**	**.11769**
Stddev	.00015	.00032	.06	.055	.00245	.039	.0032	.00158	.0273	.00029
%RSD	.09350	.38074	.04264	.20987	.99589	.13097	.15781	22.429	1.2951	.24551
#1	.16117	.08404	141.08	26.058	.24442	29.625	2.0549	.00591	2.1245	.11789
#2	.16096	.08450	141.00	25.981	.24789	29.680	2.0595	.00814	2.0860	.11748
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7604**	**.05268**	**.64263**	**-.00180**	**.00550**	**2.1004**	**.00207**	**.13349**	**.11494**	**6.2462**
Stddev	.0025	.00033	.00508	.00268	.00154	.0119	.00138	.00014	.00191	.0036
%RSD	.14295	.62958	.79117	148.85	28.042	.56791	66.608	.10657	1.6599	.05823
#1	1.7622	.05292	.63903	-.00369	.00659	2.0920	.00110	.13338	.11359	6.2436
#2	1.7586	.05245	.64622	.00009	.00441	2.1089	.00305	.13359	.11629	6.2488
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00437**	**-.04269**	**.25276**	**.41805**	**.02563**
Stddev	.00197	.01324	.00112	.00201	.00237
%RSD	45.013	31.012	.44350	.48119	9.2318
#1	.00298	-.03332	.25196	.41662	.02395
#2	.00576	-.05205	.25355	.41947	.02730
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4017.4**	**67131.**	**5106.7**
Stddev	8.8	152.	14.6
%RSD	.21936	.22621	.28562
#1	4011.2	67238.	5096.4
#2	4023.7	67023.	5117.0

Sample Name: 280-19478-a-2-fSD@5 Acquired: 8/26/2011 23:20:59 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83077 SOIL 6010

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00031	26.174	.01025	.00632	.14966	.00124	-.00028	2.9118	.00001	.01268
Stddev	.00025	.003	.00009	.00060	.00000	.00004	.00124	.0018	.00016	.00008
%RSD	81.019	.00962	.89379	9.5371	.00010	3.2596	438.61	.06061	2792.7	.62047
#1	.00013	26.172	.01032	.00675	.14966	.00121	.00059	2.9106	-.00011	.01273
#2	.00049	26.176	.01019	.00589	.14966	.00126	-.00116	2.9131	.00012	.01262
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03651	.01887	30.996	5.8991	.06201	6.8619	.46607	.00032	.63575	.02698
Stddev	.00019	.00016	.017	.0243	.00294	.0021	.00085	.00015	.00017	.00008
%RSD	.51151	.87014	.05538	.41244	4.7409	.02983	.18224	45.859	.02663	.29772
#1	.03665	.01875	30.983	5.8819	.06409	6.8605	.46547	.00022	.63563	.02704
#2	.03638	.01899	31.008	5.9163	.05993	6.8634	.46667	.00042	.63587	.02693
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.39458	.01082	.15164	-.00030	.00114	.48151	-.00034	.03015	.02502	1.3859
Stddev	.00323	.00106	.00293	.00120	.00006	.02528	.00063	.00002	.00213	.0005
%RSD	.81947	9.7605	1.9346	394.75	5.0239	5.2494	184.90	.06958	8.5300	.03538
#1	.39687	.01156	.14957	.00054	.00110	.46364	.00010	.03016	.02653	1.3863
#2	.39229	.01007	.15372	-.00115	.00118	.49938	-.00078	.03013	.02351	1.3856
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00261	.00854	.05709	.09733	.00749
Stddev	.00094	.01616	.00048	.00006	.00406
%RSD	36.147	189.29	.84546	.06547	54.183
#1	.00194	.01997	.05675	.09738	.00462
#2	.00327	-.00289	.05743	.09729	.01036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3842.7	64293.	4733.1
Stddev	9.8	189.	18.7
%RSD	.25512	.29401	.39441
#1	3835.8	64427.	4746.3
#2	3849.6	64160.	4719.9

Sample Name: 280-19478-a-2-g ms Acquired: 8/26/2011 23:23:31 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83077 SOIL 6010

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04118**	**175.69**	**.89838**	**.84489**	**2.5906**	**.04575**	**1.9548**	**53.655**	**.09235**	**.47018**
Stddev	.00003	.02	.00084	.00209	.0019	.00003	.0035	.000	.00002	.00020
%RSD	.08002	.00866	.09338	.24726	.07545	.06569	.18113	.00007	.02674	.04224
#1	.04115	175.68	.89898	.84341	2.5892	.04578	1.9573	53.655	.09236	.47032
#2	.04120	175.70	.89779	.84637	2.5919	.04573	1.9523	53.655	.09233	.47004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37158**	**.31952**	**165.84**	**78.148**	**1.2590**	**78.116**	**2.8303**	**.84310**	**50.994**	**.55091**
Stddev	.00058	.00032	.51	.055	.0024	.094	.0007	.00004	.282	.00031
%RSD	.15699	.09904	.30738	.07028	.19347	.11995	.02608	.00471	.55226	.05664
#1	.37117	.31974	165.48	78.187	1.2572	78.182	2.8298	.84313	50.795	.55069
#2	.37200	.31929	166.20	78.109	1.2607	78.050	2.8308	.84307	51.193	.55113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.055**	**.47464**	**.71420**	**.16183**	**1.6818**	**4.5390**	**1.5994**	**1.0432**	**.93921**	**8.7582**
Stddev	.030	.00033	.00512	.00250	.0018	.0149	.0001	.0007	.00105	.0082
%RSD	.29819	.06895	.71683	1.5478	.10802	.32799	.00690	.06571	.11161	.09341
#1	10.034	.47487	.71782	.16360	1.6805	4.5495	1.5994	1.0427	.93995	8.7640
#2	10.076	.47441	.71058	.16006	1.6831	4.5285	1.5993	1.0437	.93847	8.7524
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.5952**	**1.7619**	**.76014**	**.89409**	**.42953**
Stddev	.0024	.0397	.00132	.00032	.00083
%RSD	.15272	2.2552	.17302	.03527	.19428
#1	1.5969	1.7900	.76107	.89387	.42894
#2	1.5935	1.7338	.75921	.89432	.43012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3967.5**	**65447.**	**5141.3**
Stddev	7.0	19.	6.3
%RSD	.17545	.02887	.12179
#1	3972.4	65433.	5136.9
#2	3962.5	65460.	5145.7

Sample Name: 280-19478-a-2-h msd Acquired: 8/26/2011 23:25:51 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83077 SOIL 6010

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04134**	**170.87**	**.89511**	**.83502**	**2.5549**	**.04552**	**1.9590**	**53.340**	**.09236**	**.46845**
Stddev	.00014	.39	.00146	.00005	.0044	.00007	.0012	.111	.00018	.00043
%RSD	.34024	.22882	.16324	.00597	.17289	.14383	.06094	.20839	.19065	.09159
#1	.04124	171.15	.89614	.83498	2.5581	.04557	1.9582	53.419	.09223	.46815
#2	.04144	170.60	.89407	.83505	2.5518	.04548	1.9599	53.261	.09248	.46875
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36134**	**.31676**	**156.40**	**77.958**	**1.2432**	**77.204**	**2.7142**	**.83296**	**51.129**	**.54682**
Stddev	.00015	.00082	.29	.053	.0054	.210	.0068	.00057	.163	.00024
%RSD	.04016	.26009	.18592	.06811	.43410	.27163	.24897	.06804	.31820	.04354
#1	.36144	.31618	156.61	77.996	1.2471	77.056	2.7094	.83256	51.014	.54665
#2	.36124	.31735	156.20	77.920	1.2394	77.352	2.7190	.83337	51.244	.54699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9981**	**.47479**	**.65068**	**.16472**	**1.6971**	**3.9555**	**1.5709**	**1.0340**	**.92869**	**8.6633**
Stddev	.0004	.00097	.00489	.00356	.0027	.0508	.0031	.0023	.00087	.0143
%RSD	.00372	.20342	.75130	2.1632	.15770	1.2839	.19631	.22061	.09322	.16473
#1	9.9979	.47547	.65414	.16724	1.6953	3.9915	1.5687	1.0356	.92807	8.6532
#2	9.9984	.47411	.64723	.16220	1.6990	3.9196	1.5731	1.0323	.92930	8.6734
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.5974**	**1.8036**	**.74622**	**.87412**	**.42213**
Stddev	.0000	.0067	.00404	.00436	.00029
%RSD	.00105	.36926	.54102	.49868	.06830
#1	1.5974	1.7989	.74336	.87104	.42234
#2	1.5974	1.8083	.74907	.87720	.42193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3947.4**	**65320.**	**5109.0**
Stddev	8.4	93.	3.3
%RSD	.21202	.14224	.06508
#1	3953.4	65386.	5106.6
#2	3941.5	65255.	5111.4

Sample Name: CCVH-940568 Acquired: 8/26/2011 23:28:10 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00612**	**45.424**	k **.00075**	**.00470**	k **.00124**	k **-.00015**	k **.97642**	k **.00138**	k **-.00152**	k **.00281**	k **.00077**
Stddev	.00045	.009	.00322	.00074	.00003	.00011	.00167	.00531	.00040	.00049	.00046
%RSD	7.4054	.02050	432.01	15.837	2.8024	74.793	.17120	386.08	26.056	17.562	60.067
#1	k -.00580	45.431	k -.00153	.00522	k .00122	k -.00007	k .97524	k .00513	k -.00180	k .00246	k .00044
#2	k -.00644	45.417	k .00303	.00417	k .00127	k -.00023	k .97761	k -.00238	k -.00124	k .00316	k .00110
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None
Value											
Range											

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01404**	kF **43.329**	**.15087**	k **.00691**	k **-.34761**	**-.00010**	**.00314**	F **277.77**	**.00144**	**.01037**	k **.00674**
Stddev	.00006	.216	.01352	.00001	.00256	.00003	.00206	.29	.00057	.01247	.00140
%RSD	.39634	.49821	8.9614	.14146	.73527	28.689	65.516	.10491	39.179	120.28	20.840
#1	k .01408	k 43.177	.14131	k .00692	k -.34941	-.00008	.00169	277.57	.00104	.00155	k .00574
#2	k .01400	k 43.482	.16044	k .00690	k -.34580	-.00012	.00460	277.98	.00184	.01918	k .00773
Check ?	None	Chk Fail	None	None	None	None	None	Chk Fail	None	None	None
Value		50.000						250.00			
Range		-10.000%						10.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9178**	k **-.01830**	k **.00170**	k **.01819**	k **.00434**	**.00025**	k **5.0976**	k **.04023**	k **-.00278**	k **10.254**	k **-.00722**
Stddev	.0114	.00068	.00555	.00071	.00178	.00009	.0042	.00024	.00286	.015	.00066
%RSD	.23214	3.6979	326.75	3.9205	40.940	33.739	.08261	.58875	102.99	.14726	9.0866
#1	4.9259	k -.01878	k -.00223	k .01768	k .00308	.00019	k 5.0946	k .04006	k -.00480	k 10.265	k -.00768
#2	4.9098	k -.01782	k .00563	k .01869	k .00559	.00032	k 5.1005	k .04040	k -.00076	k 10.244	k -.00675
Check ?	None	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None
Value											
Range											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	k **.00238**	k **.35915**
Stddev	.00042	.00108
%RSD	17.504	.30002
#1	k .00208	k .35839
#2	k .00267	k .35991
Check ?	None	None
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3599.3**	**60697.**	**4525.1**
Stddev	7.1	76.	14.9
%RSD	.19801	.12496	.32876
#1	3594.3	60643.	4535.6
#2	3604.3	60750.	4514.5

Sample Name: CCV-940591 Acquired: 8/26/2011 23:30:48 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50069**	**.49874**	**.98704**	**.49707**	**.51199**	**.45116**	**.00016**	F **4.4999**	**.50346**	**.49099**	**.49196**	**.49931**
Stddev	.00051	.02025	.00620	.00125	.00101	.00083	.00090	.0104	.00110	.00031	.00115	.00037
%RSD	.10150	4.0603	.62835	.25192	.19632	.18426	555.22	.23175	.21928	.06324	.23434	.07368
#1	.50105	.48443	.98266	.49619	.51128	.45057	-.00048	4.4925	.50268	.49077	.49115	.49957
#2	.50033	.51306	.99143	.49796	.51270	.45175	.00080	4.5072	.50424	.49121	.49278	.49905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								5.0000				
Range								-10.000%				

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.0918**	**51.694**	**1.0710**	**19.544**	**.49241**	**.49571**	F **5.6756**	**.49463**	**.94655**	**.99804**	**.01451**	**.98753**
Stddev	.0141	.247	.0022	.036	.00079	.00037	.0316	.00080	.00170	.00191	.00573	.00174
%RSD	.67467	.47852	.20584	.18332	.16031	.07400	.55653	.16226	.17986	.19090	39.533	.17619
#1	2.0819	51.519	1.0726	19.569	.49297	.49545	5.6979	.49406	.94776	.99939	.01856	.98630
#2	2.1018	51.869	1.0695	19.518	.49186	.49597	5.6532	.49520	.94535	.99670	.01045	.98876
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value	2.5000						5.0000					
Range	-10.000%						10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98388**	F **4.2429**	**.98850**	**.50238**	**-.00047**	**.48351**	**.98486**	**.03252**	**.49688**	**.48716**	**.48127**
Stddev	.00039	.0192	.00146	.00030	.00021	.00052	.00476	.02101	.00041	.00248	.00220
%RSD	.03921	.45125	.14768	.05985	43.613	.10686	.48358	64.600	.08217	.50976	.45790
#1	.98361	4.2294	.98746	.50217	-.00062	.48388	.98149	.01767	.49717	.48892	.47971
#2	.98415	4.2564	.98953	.50259	-.00033	.48315	.98822	.04738	.49659	.48541	.48283
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		5.0000									
Range		-10.000%									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3669.6**	**62246.**	**4533.7**
Stddev	.6	194.	1.4
%RSD	.01547	.31204	.03101
#1	3670.0	62109.	4532.7
#2	3669.2	62384.	4534.7

Sample Name: CCB Acquired: 8/26/2011 23:33:10 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00129**	W **.00696**	W **.00273**	**.00043**	**.00003**	**.00053**	**-.00421**	**-.00009**	**.00041**	**.00031**
Stddev	.00031	.00063	.00212	.00037	.00028	.00003	.00282	.00190	.00037	.00011	.00034
%RSD	166.39	48.634	30.473	13.439	65.182	111.70	530.58	45.192	389.34	26.562	110.27
#1	-.00003	.00085	.00846	.00299	.00062	.00001	-.00146	-.00556	-.00036	.00034	.00007
#2	.00040	.00173	.00546	.00247	.00023	.00005	.00252	-.00287	.00017	.00049	.00055
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00440	.00156							
Low Limit			-.00440	-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00118**	**.03476**	**.00165**	**.00408**	**.00004**	**.00302**	F **.23515**	**.00030**	**-.00033**	**-.00111**
Stddev	.00054	.00224	.02193	.00089	.00025	.00004	.00125	.00824	.00007	.00482	.00113
%RSD	3243.1	189.56	63.111	53.812	6.0193	84.134	41.282	3.5043	24.448	1477.8	101.71
#1	-.00037	-.00040	.01925	.00102	.00425	.00007	.00214	.24097	.00035	-.00373	-.00190
#2	.00040	.00276	.05027	.00227	.00391	.00002	.00391	.22932	.00025	.00308	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.10000			
Low Limit								-.10000			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01205**	F **.01164**	W **.00508**	**.01032**	**.00072**	**.00004**	**.00042**	**.00041**	**.00043**	**.02098**	**-.00070**
Stddev	.00097	.00116	.00491	.00408	.00006	.00004	.00007	.00001	.00345	.00341	.00001
%RSD	8.0439	9.9247	96.690	39.515	8.9642	96.397	15.884	2.3167	794.51	16.237	1.1094
#1	.01137	.01082	.00161	.00744	.00076	.00007	.00047	.00041	-.00201	.01857	-.00070
#2	.01274	.01246	.00855	.01320	.00067	.00001	.00038	.00042	.00288	.02339	-.00071
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00174**	**.00233**
Stddev	.00033	.00107
%RSD	18.778	45.717
#1	.00197	.00309
#2	.00151	.00158
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3731.1	63689.	4513.4
Stddev	2.2	43.	.5
%RSD	.05857	.06824	.01196
#1	3732.7	63659.	4513.8
#2	3729.6	63720.	4513.1

Sample Name: CCVL946273 Acquired: 8/26/2011 23:35:46 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01080**	**.09917**	W **.01913**	**.10407**	**.01115**	**.00093**	W **.12369**	**.18587**	**.00477**	**.01030**	**.01111**
Stddev	.00073	.00018	.00036	.00017	.00014	.00000	.00162	.00155	.00013	.00017	.00005
%RSD	6.7193	.18349	1.8958	.16770	1.2175	.39378	1.3070	.83342	2.7554	1.6656	.41416
#1	.01029	.09930	.01887	.10420	.01105	.00093	.12483	.18477	.00467	.01018	.01114
#2	.01131	.09904	.01938	.10395	.01125	.00093	.12255	.18696	.00486	.01042	.01108
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500				.10000				
Range			20.000%				20.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.01956**	F **.80028**	**3.2107**	F **.01777**	**.20919**	F **.01570**	**.02025**	F **1.3530**	**.04189**	**2.8124**	**.00783**
Stddev	.00031	.00152	.0621	.00270	.00096	.00006	.00016	.0222	.00048	.0088	.00241
%RSD	1.5711	.18938	1.9335	15.191	.45671	.37313	.80833	1.6388	1.1574	.31292	30.787
#1	.01935	.79921	3.1668	.01968	.20987	.01574	.02036	1.3374	.04224	2.8062	.00613
#2	.01978	.80135	3.2546	.01586	.20851	.01565	.02013	1.3687	.04155	2.8186	.00954
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value	.01500	.10000		.01000		.01000		1.0000			
Range	30.000%	30.000%		30.000%		30.000%		30.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02020**	F **.01300**	**.01254**	**.42400**	**.10062**	**.01012**	**.01201**	**.00982**	**.01551**	**.07156**	**.00915**
Stddev	.00031	.00009	.00017	.03145	.00032	.00003	.00005	.00017	.00084	.00378	.00032
%RSD	1.5352	.71808	1.3510	7.4186	.31556	.33238	.45239	1.6891	5.4010	5.2859	3.4653
#1	.01998	.01307	.01266	.40176	.10039	.01014	.01197	.00994	.01492	.07423	.00892
#2	.02042	.01293	.01242	.44624	.10084	.01009	.01205	.00970	.01610	.06888	.00937
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.01000									
Range		30.000%									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02355**	F **.01969**
Stddev	.00049	.00036
%RSD	2.0795	1.8043
#1	.02389	.01994
#2	.02320	.01943
Check ?	Chk Pass	Chk Fail
Value		.01500
Range		30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3729.8**	**63376.**	**4555.9**
Stddev	1.1	41.	9.0
%RSD	.02904	.06417	.19725
#1	3730.6	63405.	4562.3
#2	3729.0	63347.	4549.6

Sample Name: 280-19478-a-2-f Acquired: 8/26/2011 23:38:21 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83077 SOIL 6010

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00136**	**114.24**	**.04482**	**.01999**	**.66280**	**.00556**	**.00170**	**12.792**	**.00151**	**.05522**
Stddev	.00036	.29	.00528	.00030	.00138	.00003	.00026	.015	.00003	.00032
%RSD	26.461	.25717	11.784	1.5247	.20856	.50773	15.215	.11737	2.2023	.57279
#1	-.00161	114.03	.04855	.02021	.66183	.00554	.00188	12.781	.00154	.05500
#2	-.00110	114.45	.04108	.01978	.66378	.00558	.00151	12.802	.00149	.05545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16090**	**.08427**	**141.53**	**26.190**	**.24959**	**29.813**	**2.0674**	**.00245**	**2.0220**	**.11774**
Stddev	.00056	.00014	.22	.072	.00007	.049	.0031	.00006	.0004	.00049
%RSD	.34754	.16306	.15501	.27656	.02963	.16325	.15087	2.6306	.01865	.41485
#1	.16050	.08436	141.69	26.139	.24964	29.848	2.0696	.00249	2.0217	.11808
#2	.16129	.08417	141.38	26.242	.24954	29.779	2.0652	.00240	2.0222	.11739
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7545**	**.05509**	**.63838**	**-.00220**	**-.00128**	**2.1017**	**.00057**	**.13410**	**.11724**	**6.2672**
Stddev	.0019	.00106	.00341	.00291	.00151	.0218	.00092	.00046	.00138	.0067
%RSD	.10527	1.9294	.53421	131.88	118.16	1.0364	161.79	.34022	1.1782	.10714
#1	1.7532	.05584	.64079	-.00426	-.00021	2.1171	-.00008	.13378	.11626	6.2719
#2	1.7558	.05434	.63597	-.00015	-.00235	2.0863	.00121	.13442	.11822	6.2624
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00271**	**-.02590**	**.25560**	**.41779**	**.02483**
Stddev	.00025	.00421	.00105	.00011	.00081
%RSD	9.1991	16.244	.40962	.02655	3.2765
#1	.00288	-.02293	.25634	.41787	.02426
#2	.00253	-.02888	.25486	.41771	.02541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4027.9**	**67047.**	**5072.6**
Stddev	4.0	141.	3.3
%RSD	.09821	.21086	.06444
#1	4030.7	66947.	5070.3
#2	4025.1	67147.	5074.9

Sample Name: 280-19478-a-3-d Acquired: 8/26/2011 23:40:49 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83077 SOIL 6010

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**104.61**	**.03490**	**.02013**	**.64903**	**.00498**	**.00285**	**45.639**	**.00447**	**.04994**
Stddev	.00044	.48	.00445	.00032	.00158	.00002	.00456	.169	.00000	.00033
%RSD	73.289	.45668	12.756	1.5647	.24292	.48934	159.74	.37078	.01953	.65194
#1	-.00029	104.27	.03175	.02036	.64792	.00500	.00607	45.519	.00447	.05017
#2	-.00091	104.95	.03804	.01991	.65015	.00496	-.00037	45.759	.00447	.04971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24382**	**.14235**	**157.21**	**27.322**	**.33286**	**41.540**	**2.4183**	**.00255**	**1.8861**	**.14950**
Stddev	.00069	.00060	.58	.090	.00504	.110	.0046	.00041	.0138	.00013
%RSD	.28246	.42362	.37104	.32946	1.5146	.26481	.18823	16.197	.73126	.08434
#1	.24431	.14277	156.79	27.259	.33642	41.617	2.4215	.00225	1.8763	.14941
#2	.24333	.14192	157.62	27.386	.32929	41.462	2.4151	.00284	1.8958	.14959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4728**	**.09430**	**.26809**	**-.00457**	**-.00460**	**1.8563**	**.00219**	**.25075**	**.10102**	**6.7488**
Stddev	.0041	.00100	.00352	.00037	.00012	.0112	.00062	.00063	.00095	.0211
%RSD	.11838	1.0575	1.3138	7.9952	2.5642	.60173	28.412	.25268	.94219	.31208
#1	3.4757	.09360	.27058	-.00483	-.00468	1.8484	.00175	.25030	.10169	6.7637
#2	3.4699	.09501	.26560	-.00432	-.00451	1.8642	.00263	.25120	.10035	6.7339
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00251**	W **-.05613**	**.24373**	**.55065**	**.02041**
Stddev	.00110	.01554	.00090	.00073	.00276
%RSD	43.916	27.683	.37127	.13183	13.530
#1	.00173	-.06712	.24309	.55116	.01846
#2	.00329	-.04515	.24437	.55013	.02236
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3947.7**	**66027.**	**4993.4**
Stddev	8.0	34.	8.4
%RSD	.20373	.05099	.16801
#1	3942.0	66051.	4999.3
#2	3953.4	66003.	4987.4

Sample Name: 280-19478-a-4-d Acquired: 8/26/2011 23:43:18 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83077 SOIL 6010

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00098**	**114.92**	**.06086**	**.02651**	**.54046**	**.00602**	**.00222**	**62.821**	**.00281**	**.06032**
Stddev	.00021	.36	.00050	.00053	.00039	.00005	.00131	.109	.00009	.00006
%RSD	21.984	.30953	.81470	2.0046	.07237	.83184	58.869	.17343	3.1067	.09403
#1	-.00082	115.17	.06121	.02613	.54073	.00598	.00314	62.898	.00275	.06028
#2	-.00113	114.67	.06051	.02688	.54018	.00605	.00129	62.744	.00288	.06036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22009**	**.15313**	**184.87**	**26.934**	**.39474**	**51.061**	**2.4714**	**.00123**	**2.8719**	**.14195**
Stddev	.00080	.00101	.03	.060	.00047	.070	.0047	.00035	.0056	.00078
%RSD	.36204	.65688	.01506	.22139	.11887	.13679	.19154	28.474	.19527	.55279
#1	.22065	.15384	184.89	26.976	.39440	51.110	2.4747	.00098	2.8758	.14250
#2	.21953	.15242	184.85	26.892	.39507	51.012	2.4680	.00148	2.8679	.14139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0796**	**.08140**	**.53040**	**-.00734**	**-.00306**	**1.9870**	**.00321**	**.19460**	**.11822**	**7.0409**
Stddev	.0062	.00231	.00742	.00017	.00372	.0209	.00015	.00022	.00141	.0028
%RSD	.20051	2.8417	1.3990	2.3168	121.88	1.0529	4.7594	.11481	1.1923	.04006
#1	3.0840	.08303	.52515	-.00746	-.00569	2.0018	.00310	.19476	.11722	7.0428
#2	3.0752	.07976	.53565	-.00722	-.00042	1.9722	.00332	.19445	.11921	7.0389
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00130**	**-.02752**	**.30681**	**.66062**	**.03022**
Stddev	.00045	.01541	.00172	.00186	.00258
%RSD	34.336	55.993	.56046	.28153	8.5303
#1	.00098	-.03842	.30803	.66193	.02840
#2	.00161	-.01663	.30559	.65930	.03204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4023.6**	**67219.**	**5169.5**
Stddev	12.9	73.	15.3
%RSD	.31986	.10911	.29678
#1	4014.5	67167.	5158.6
#2	4032.7	67271.	5180.3

Sample Name: 280-19478-a-2-g ms Acquired: 8/26/2011 23:45:52 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83077 SOIL 6010

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04152**	**175.37**	**.89743**	**.84286**	**2.5871**	**.04553**	**1.9490**	**53.638**	**.09233**	**.47030**
Stddev	.00020	.10	.00117	.00154	.0017	.00006	.0018	.025	.00017	.00033
%RSD	.47253	.05922	.13038	.18293	.06377	.13666	.09456	.04619	.18369	.07069
#1	.04138	175.45	.89661	.84177	2.5859	.04557	1.9503	53.655	.09221	.47006
#2	.04166	175.30	.89826	.84395	2.5883	.04549	1.9477	53.620	.09245	.47053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37050**	**.31871**	**165.49**	**78.395**	**1.2606**	**78.281**	**2.8376**	**.84247**	**51.514**	**.55071**
Stddev	.00085	.00151	.14	.063	.0025	.084	.0023	.00047	.477	.00150
%RSD	.22877	.47417	.08312	.07973	.19476	.10723	.08037	.05561	.92541	.27158
#1	.36990	.31977	165.59	78.351	1.2623	78.341	2.8392	.84280	51.177	.54965
#2	.37110	.31764	165.39	78.439	1.2589	78.222	2.8360	.84213	51.851	.55177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.083**	**.47436**	**.70950**	**.16293**	**1.6818**	**4.5471**	**1.6007**	**1.0425**	**.93602**	**8.7433**
Stddev	.005	.00058	.00209	.00336	.0061	.0393	.0035	.0007	.00201	.0127
%RSD	.05354	.12249	.29488	2.0648	.36165	.86346	.21870	.07055	.21438	.14561
#1	10.079	.47478	.71098	.16531	1.6861	4.5194	1.5982	1.0419	.93744	8.7523
#2	10.087	.47395	.70802	.16055	1.6775	4.5749	1.6031	1.0430	.93460	8.7343
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.5951**	**1.8087**	**.76273**	**.89851**	**.43047**
Stddev	.0042	.0060	.00106	.00040	.00195
%RSD	.26157	.33443	.13883	.04469	.45394
#1	1.5922	1.8045	.76348	.89822	.42909
#2	1.5981	1.8130	.76198	.89879	.43185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3949.1**	**65374.**	**5076.5**
Stddev	8.9	15.	13.2
%RSD	.22423	.02308	.25971
#1	3955.3	65363.	5067.2
#2	3942.8	65385.	5085.8

Sample Name: 280-19478-a-2-h msd Acquired: 8/26/2011 23:48:12 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83077 SOIL 6010

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04175**	**171.31**	**.89635**	**.83444**	**2.5713**	**.04571**	**1.9674**	**53.468**	**.09271**	**.47079**
Stddev	.00005	.37	.00007	.00124	.0031	.00009	.0036	.074	.00015	.00079
%RSD	.12751	.21552	.00730	.14871	.11872	.20474	.18047	.13818	.15800	.16686
#1	.04172	171.05	.89640	.83531	2.5691	.04577	1.9699	53.415	.09281	.47134
#2	.04179	171.57	.89631	.83356	2.5734	.04564	1.9649	53.520	.09260	.47023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36292**	**.31657**	**156.97**	**78.300**	**1.2516**	**77.457**	**2.7222**	**.83013**	**51.533**	**.54709**
Stddev	.00089	.00037	.08	.142	.0011	.119	.0044	.00247	.069	.00067
%RSD	.24461	.11683	.05395	.18128	.09034	.15300	.16232	.29719	.13358	.12315
#1	.36354	.31631	157.03	78.200	1.2508	77.373	2.7191	.83188	51.582	.54757
#2	.36229	.31683	156.91	78.401	1.2524	77.541	2.7254	.82839	51.485	.54661
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.032**	**.47373**	**.64637**	**.16296**	**1.6976**	**4.0259**	**1.5718**	**1.0413**	**.93417**	**8.6759**
Stddev	.012	.00333	.00203	.00269	.0014	.0112	.0058	.0008	.00047	.0052
%RSD	.12280	.70390	.31351	1.6520	.08092	.27919	.36931	.07552	.05047	.06043
#1	10.023	.47609	.64780	.16487	1.6986	4.0338	1.5759	1.0408	.93450	8.6722
#2	10.041	.47138	.64494	.16106	1.6966	4.0179	1.5677	1.0419	.93383	8.6796
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.6076**	**1.8085**	**.74913**	**.87621**	**.42380**
Stddev	.0035	.0004	.00479	.00015	.00105
%RSD	.21946	.02280	.63931	.01767	.24777
#1	1.6051	1.8082	.74574	.87610	.42306
#2	1.6101	1.8088	.75252	.87632	.42455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3942.2**	**65110.**	**5037.6**
Stddev	1.2	82.	3.4
%RSD	.02921	.12561	.06662
#1	3943.0	65168.	5040.0
#2	3941.4	65052.	5035.2

Sample Name: 280-19406-b-3-e Acquired: 8/26/2011 23:50:33 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00085**	**63.635**	**.04323**	**.01613**	**.65028**	**.00525**	**-.00867**	**7.8558**	**.00097**	**.07274**
Stddev	.00053	.160	.00443	.00028	.00172	.00009	.00090	.0144	.00009	.00005
%RSD	62.706	.25197	10.246	1.7239	.26435	1.6676	10.322	.18351	8.9186	.07517
#1	-.00047	63.748	.04010	.01633	.65150	.00531	-.00804	7.8660	.00091	.07270
#2	-.00123	63.521	.04636	.01594	.64906	.00519	-.00931	7.8456	.00104	.07278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10521**	**.09867**	**139.40**	**9.6487**	**.10448**	**15.579**	**2.7157**	**.00586**	**1.2713**	**.12052**
Stddev	.00016	.00054	.49	.0142	.00057	.015	.0003	.00151	.0082	.00042
%RSD	.15548	.54602	.35109	.14761	.54192	.09312	.01263	25.799	.64673	.34925
#1	.10510	.09829	139.74	9.6588	.10408	15.569	2.7154	.00479	1.2771	.12082
#2	.10533	.09905	139.05	9.6387	.10488	15.589	2.7159	.00693	1.2654	.12022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3333**	**.08257**	**.24156**	**-.00310**	**.00352**	**2.2221**	**.00597**	**.09673**	**.05671**	**.79366**
Stddev	.0063	.00193	.00412	.00205	.00096	.0045	.00169	.00034	.00074	.00116
%RSD	.27182	2.3389	1.7064	66.306	27.258	.20231	28.353	.34843	1.2966	.14557
#1	2.3288	.08394	.24447	-.00164	.00284	2.2189	.00477	.09697	.05619	.79448
#2	2.3378	.08121	.23864	-.00455	.00420	2.2252	.00716	.09649	.05723	.79284
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.01244**	**.07162**	**.37351**	**.05791**
Stddev	.00134	.03979	.00063	.00060	.00018
%RSD	4937.6	319.78	.87800	.15983	.30798
#1	-.00097	.01569	.07117	.37309	.05804
#2	.00092	-.04058	.07206	.37394	.05779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4006.4**	**67319.**	**5007.2**
Stddev	4.4	124.	20.9
%RSD	.10986	.18443	.41821
#1	4009.5	67232.	4992.4
#2	4003.3	67407.	5022.0

Sample Name: 280-19406-b-6-c@5 Acquired: 8/26/2011 23:53:02 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**7.8571**	**.01346**	**.00460**	**.06442**	**.00065**	W **-.01097**	**3.5401**	**-.00015**	**.01328**
Stddev	.00028	.0333	.00207	.00061	.00029	.00011	.00111	.0208	.00001	.00028
%RSD	1386.4	.42338	15.389	13.328	.45322	16.239	10.130	.58685	6.4077	2.0824
#1	-.00018	7.8806	.01493	.00504	.06463	.00058	-.01176	3.5548	-.00015	.01308
#2	.00022	7.8336	.01200	.00417	.06422	.00073	-.01019	3.5254	-.00014	.01347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							3.0000			
Low Limit							-.01000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01715**	**.02677**	**88.021**	**1.2261**	**.01628**	**2.7054**	**4.3782**	**.00045**	**.33649**	**.02642**
Stddev	.00002	.00005	.163	.0842	.00013	.0049	.0146	.00020	.00234	.00008
%RSD	.13171	.18732	.18461	6.8638	.77086	.17910	.33326	43.617	.69561	.28430
#1	.01714	.02673	87.906	1.2856	.01619	2.7088	4.3885	.00059	.33814	.02637
#2	.01717	.02681	88.136	1.1666	.01637	2.7020	4.3679	.00031	.33483	.02647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7186**	**.01490**	**1.3113**	**-.00275**	W **-.00538**	**.30827**	**.00056**	**.01184**	**.01291**	**.09492**
Stddev	.0099	.00247	.0030	.00002	.00291	.02336	.00015	.00006	.00242	.00001
%RSD	.57834	16.586	.22563	.84199	54.030	7.5763	27.504	.52677	18.726	.00714
#1	1.7256	.01315	1.3134	-.00274	-.00333	.29175	.00066	.01180	.01462	.09492
#2	1.7116	.01665	1.3092	-.00277	-.00744	.32478	.00045	.01188	.01120	.09493
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00324**	**.05990**	F **-.11918**	**.08231**	**.01018**
Stddev	.00049	.00572	.00299	.00013	.00108
%RSD	15.137	9.5502	2.5107	.15552	10.604
#1	.00289	.06394	-.11707	.08240	.01094
#2	.00358	.05585	-.12130	.08222	.00941
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			50.000		
Low Limit			-.02000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3805.0**	**64269.**	**4655.9**
Stddev	2.1	206.	33.7
%RSD	.05430	.32009	.72417
#1	3803.6	64415.	4632.1
#2	3806.5	64124.	4679.7

Sample Name: 280-19406-b-8-c@5 Acquired: 8/26/2011 23:55:39 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00019	4.6397	.01067	.00320	.29423	.00046	-.00290	1.0868	-.00024	.01078
Stddev	.00026	.0260	.00128	.00069	.00178	.00014	.00236	.0037	.00018	.00018
%RSD	136.44	.55944	11.967	21.605	.60506	29.291	81.195	.33853	76.962	1.6693
#1	.00037	4.6581	.00977	.00369	.29549	.00037	-.00124	1.0894	-.00011	.01065
#2	.00001	4.6214	.01157	.00271	.29297	.00056	-.00457	1.0842	-.00037	.01091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00958	.00987	36.904	.88951	.00569	.99676	6.8480	.00009	.23863	.01300
Stddev	.00009	.00006	.180	.01165	.00292	.00198	.0607	.00012	.02583	.00013
%RSD	.97686	.64289	.48808	1.3094	51.365	.19886	.88660	129.57	10.826	.98470
#1	.00952	.00992	37.031	.88127	.00776	.99535	6.8050	.00001	.22037	.01309
#2	.00965	.00983	36.777	.89775	.00362	.99816	6.8909	.00018	.25690	.01290
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.55893	.00867	.05414	-.00383	-.00187	.39551	.00141	.01983	.00823	.06824
Stddev	.00576	.00035	.00206	.00147	.00167	.00009	.00052	.00006	.00190	.00061
%RSD	1.0302	4.0588	3.8069	38.334	89.389	.02374	37.063	.31888	23.106	.88871
#1	.55485	.00842	.05560	-.00487	-.00304	.39545	.00178	.01987	.00958	.06781
#2	.56300	.00892	.05268	-.00279	-.00069	.39558	.00104	.01978	.00689	.06867
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00253	-.01333	F -.24285	.04440	.00738
Stddev	.00165	.01971	.00115	.00002	.00012
%RSD	65.161	147.92	.47475	.04530	1.5965
#1	.00370	-.02727	-.24367	.04438	.00730
#2	.00137	.00061	-.24204	.04441	.00746
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			50.000		
Low Limit			-.02000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3808.2	64836.	4592.3
Stddev	.6	22.	32.2
%RSD	.01608	.03350	.70074
#1	3807.8	64821.	4569.6
#2	3808.7	64852.	4615.1

Sample Name: CCVH-940568 Acquired: 8/26/2011 23:58:18 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00605**	**45.174**	k **-.00026**	**.00221**	k **.00085**	k **-.00021**	k **.96322**	k **-.00213**	k **-.00167**	k **.00236**	k **.00040**
Stddev	.00008	.089	.00067	.00174	.00017	.00001	.00366	.00028	.00007	.00006	.00006
%RSD	1.2647	.19711	251.35	78.507	19.863	3.2846	.37980	13.091	4.4666	2.4055	15.264
#1	k -.00599	45.237	k -.00073	.00344	k .00073	k -.00021	k .96064	k -.00193	k -.00162	k .00240	k .00035
#2	k -.00610	45.111	k .00021	.00099	k .00097	k -.00020	k .96581	k -.00233	k -.00173	k .00232	k .00044
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None
Value											
Range											

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01310**	kF **42.920**	**.11147**	k **.00391**	k **-.34380**	**-.00003**	**-.00248**	F **277.09**	**.00105**	**.00212**	k **.00462**
Stddev	.00026	.080	.04800	.00297	.00138	.00005	.00011	.04	.00018	.00032	.00248
%RSD	1.9559	.18661	43.062	75.975	.40240	135.22	4.5516	.01522	16.791	15.238	53.729
#1	k .01328	k 42.863	.14541	k .00181	k -.34478	.00000	-.00240	277.06	.00118	.00234	k .00287
#2	k .01292	k 42.977	.07753	k .00602	k -.34282	-.00007	-.00256	277.12	.00093	.00189	k .00638
Check ?	None	Chk Fail	None	None	None	None	None	Chk Fail	None	None	None
Value		50.000						250.00			
Range		-10.000%						10.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9055**	k **-.02022**	k **-.00838**	k **-.00304**	k **.00190**	**.00031**	k **5.0826**	k **.03517**	k **-.00422**	k **10.199**	k **-.00749**
Stddev	.0059	.00029	.00055	.00212	.00010	.00003	.0041	.00023	.00008	.019	.00097
%RSD	.12101	1.4227	6.5742	69.711	5.4920	9.3764	.07982	.66275	1.8514	.18778	12.928
#1	4.9097	k -.02001	k -.00877	k -.00454	k .00197	.00029	k 5.0855	k .03500	k -.00427	k 10.212	k -.00680
#2	4.9013	k -.02042	k -.00799	k -.00154	k .00182	.00033	k 5.0798	k .03533	k -.00416	k 10.185	k -.00817
Check ?	None	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None
Value											
Range											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	k **.00237**	k **.35139**
Stddev	.00001	.00169
%RSD	.55560	.48180
#1	k .00236	k .35258
#2	k .00238	k .35019
Check ?	None	None
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3605.6**	**60898.**	**4484.1**
Stddev	3.4	111.	3.9
%RSD	.09440	.18212	.08679
#1	3608.0	60819.	4486.9
#2	3603.2	60976.	4481.4

Sample Name: CCV-940591 Acquired: 8/27/2011 0:00:57 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49432**	**.49561**	**.98001**	**.49393**	**.51059**	**.45201**	**.00172**	**4.5258**	**.50140**	**.48819**	**.48941**	**.49694**
Stddev	.00027	.01387	.00376	.00038	.00195	.00074	.00079	.0107	.00059	.00033	.00016	.00063
%RSD	.05428	2.7994	.38327	.07792	.38235	.16322	46.100	.23648	.11813	.06732	.03298	.12713
#1	.49413	.48580	.97736	.49420	.51197	.45253	.00228	4.5334	.50182	.48842	.48929	.49738
#2	.49451	.50542	.98267	.49365	.50921	.45149	.00116	4.5182	.50098	.48796	.48952	.49649
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.0993**	**52.142**	**1.0591**	**19.448**	**.49186**	**.49436**	F **5.6127**	**.49310**	**.94787**	**.99588**	**.01593**	**.98549**
Stddev	.0016	.073	.0014	.029	.00070	.00089	.0157	.00025	.00489	.00009	.00495	.00301
%RSD	.07433	.13960	.13424	.14984	.14327	.18041	.27912	.05070	.51548	.00911	31.097	.30505
#1	2.1004	52.091	1.0601	19.469	.49236	.49499	5.6238	.49328	.95132	.99582	.01243	.98762
#2	2.0982	52.194	1.0580	19.427	.49136	.49373	5.6017	.49292	.94441	.99595	.01943	.98337
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value	2.5000						5.0000					
Range	-10.000%						10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97666**	F **4.2285**	**.98476**	**.50162**	**-.00249**	**.48163**	**.98422**	**.03562**	**.49060**	**.48481**	**.48271**
Stddev	.00478	.0223	.00016	.00001	.00133	.00044	.00029	.01881	.00118	.00073	.00466
%RSD	.48960	.52714	.01665	.00248	53.203	.09044	.02935	52.816	.24004	.15010	.96633
#1	.98004	4.2127	.98488	.50161	-.00156	.48194	.98402	.02232	.49143	.48533	.48601
#2	.97328	4.2442	.98465	.50163	-.00343	.48132	.98442	.04892	.48977	.48430	.47941
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		5.0000									
Range		-10.000%									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3670.4**	**62556.**	**4496.4**
Stddev	6.4	76.	2.1
%RSD	.17457	.12077	.04606
#1	3675.0	62503.	4497.8
#2	3665.9	62610.	4494.9

Sample Name: CCB Acquired: 8/27/2011 0:03:20 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00007**	W **.00462**	W **.00227**	W **.00071**	**-.00003**	**.00057**	**-.00434**	**-.00036**	**.00020**	**.00040**
Stddev	.00049	.00197	.00148	.00003	.00034	.00002	.00409	.00166	.00027	.00031	.00068
%RSD	85.987	2818.0	32.140	1.2458	47.799	67.323	721.35	38.281	74.335	159.20	169.63
#1	.00022	-.00133	.00566	.00229	.00047	-.00004	-.00232	-.00552	-.00055	-.00002	-.00008
#2	.00092	.00147	.00357	.00225	.00095	-.00001	.00346	-.00317	-.00017	.00042	.00088
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00440	.00156	.00058						
Low Limit			-.00440	-.00156	-.00058						

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00091**	**.03076**	**.00196**	**.00234**	**.00002**	**.00238**	F **.19138**	**.00029**	**-.00104**	**-.00072**
Stddev	.00037	.00229	.03494	.00126	.00111	.00002	.00079	.01598	.00026	.00359	.00023
%RSD	112.19	251.27	113.59	64.279	47.495	83.862	33.194	8.3483	88.242	345.67	31.986
#1	.00007	.00253	.00605	.00286	.00155	.00004	.00183	.18008	.00011	.00150	-.00088
#2	.00059	-.00071	.05547	.00107	.00312	.00001	.00294	.20268	.00048	-.00358	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.10000			
Low Limit								-.10000			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01070**	F **.00888**	W **.00588**	**-.00576**	**.00048**	**-.00005**	**-.00007**	**-.00014**	**.00123**	**.00294**	**-.00040**
Stddev	.00076	.00372	.00256	.00548	.00042	.00011	.00166	.00018	.00048	.01547	.00069
%RSD	7.0546	41.905	43.589	95.131	86.306	207.77	2345.3	129.41	39.241	525.63	171.02
#1	.01017	.00625	.00406	-.00963	.00019	.00002	.00110	-.00001	.00089	-.00800	-.00089
#2	.01124	.01151	.00769	-.00188	.00077	-.00012	-.00125	-.00026	.00157	.01389	.00008
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00178**	**.00205**
Stddev	.00023	.00007
%RSD	13.107	3.4596
#1	.00162	.00200
#2	.00195	.00210
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	3737.8	63740.	4495.8
Stddev	4.2	162.	12.0
%RSD	.11192	.25411	.26786
#1	3740.7	63854.	4487.3
#2	3734.8	63625.	4504.3

Sample Name: CCVL946273 Acquired: 8/27/2011 0:06:02 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01033**	**.09947**	W **.01811**	**.10481**	**.01130**	**.00089**	W **.12075**	**.19375**	**.00497**	**.01032**	**.01007**
Stddev	.00025	.00009	.00087	.00002	.00011	.00003	.00441	.00562	.00009	.00016	.00033
%RSD	2.4654	.08655	4.7910	.01858	.99857	3.8434	3.6560	2.8982	1.7874	1.5968	3.2330
#1	.01051	.09953	.01873	.10482	.01122	.00087	.11762	.18978	.00503	.01043	.00984
#2	.01015	.09941	.01750	.10479	.01138	.00091	.12387	.19772	.00491	.01020	.01030
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500				.10000				
Range			20.000%				20.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01581**	**.08766**	**3.2339**	F **.01618**	**.21143**	**.01096**	**.01943**	F **1.3331**	**.04151**	**2.8294**	**.00729**
Stddev	.00015	.00209	.0020	.00330	.00057	.00009	.00004	.0108	.00031	.0041	.00071
%RSD	.94733	2.3820	.06184	20.366	.27077	.82556	.21271	.80968	.74130	.14364	9.7469
#1	.01591	.08914	3.2325	.01851	.21184	.01102	.01940	1.3255	.04129	2.8265	.00679
#2	.01570	.08619	3.2353	.01385	.21103	.01090	.01946	1.3407	.04172	2.8322	.00779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				.01000				1.0000			
Range				30.000%				30.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02011**	W **.01222**	**.01360**	**.41622**	**.10151**	**.01042**	W **.01084**	**.00978**	**.01725**	F **.10154**	**.00959**
Stddev	.00562	.00157	.00089	.00604	.00079	.00006	.00122	.00035	.00115	.05959	.00027
%RSD	27.969	12.885	6.5401	1.4500	.77930	.54677	11.254	3.5773	6.6569	58.684	2.8073
#1	.02408	.01111	.01423	.42049	.10207	.01038	.01170	.00953	.01644	.05941	.00978
#2	.01613	.01333	.01297	.41195	.10095	.01046	.00998	.01002	.01807	.14368	.00940
Check ?	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value		.01000					.01500			.06000	
Range		20.000%					-20.000%			30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	W **.02534**	**.01786**
Stddev	.00042	.00049
%RSD	1.6701	2.7328
#1	.02564	.01751
#2	.02504	.01820
Check ?	Chk Warn	Chk Pass
Value	.02000	
Range	20.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3731.7**	**63843.**	**4543.5**
Stddev	9.2	115.	13.4
%RSD	.24748	.17944	.29518
#1	3738.2	63762.	4553.0
#2	3725.2	63924.	4534.0

Sample Name: mb 280-82834/1-a Acquired: 8/27/2011 0:08:36 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82834 SOIL DOD4.1

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.01305**	**.00396**	**.01897**	**.00057**	**-.00009**	**-.00293**	**.02433**	**-.00023**	**-.00012**
Stddev	.00045	.00039	.00312	.00043	.00039	.00003	.00225	.00110	.00020	.00019
%RSD	195.09	2.9703	78.812	2.2526	69.080	30.811	76.904	4.5137	87.529	165.04
#1	-.00055	.01278	.00175	.01927	.00084	-.00011	-.00452	.02356	-.00037	.00002
#2	.00009	.01333	.00617	.01867	.00029	-.00007	-.00134	.02511	-.00009	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00030**	**.01098**	**.06722**	**.00054**	**.02651**	**.00031**	**-.00045**	**.31357**	**.00020**
Stddev	.00013	.00022	.00149	.05203	.00362	.00094	.00004	.00003	.01512	.00029
%RSD	35.380	74.833	13.575	77.391	668.46	3.5416	11.367	5.5656	4.8232	144.07
#1	.00028	.00014	.01203	.10401	-.00202	.02718	.00028	-.00043	.32427	.00000
#2	.00047	.00045	.00993	.03044	.00310	.02585	.00033	-.00047	.30288	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00408**	**-.00095**	**.04089**	**.00038**	**-.00236**	**.07065**	**.00840**	**.00013**	**-.00143**	**.00044**
Stddev	.00089	.00052	.00176	.00005	.00119	.00601	.00106	.00007	.00042	.00012
%RSD	21.744	55.057	4.3017	12.026	50.471	8.5044	12.641	50.278	29.296	27.687
#1	.00345	-.00132	.04213	.00035	-.00152	.07490	.00765	.00018	-.00113	.00053
#2	.00470	-.00058	.03965	.00041	-.00320	.06641	.00915	.00009	-.00172	.00036
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00115**	**.03473**	**-.00020**	**.00172**	**.00379**
Stddev	.00099	.00008	.00029	.00036	.00354
%RSD	85.931	.21919	146.23	20.846	93.205
#1	-.00045	.03479	.00001	.00147	.00129
#2	-.00185	.03468	-.00040	.00197	.00629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3733.6**	**64362.**	**4559.7**
Stddev	5.1	59.	19.2
%RSD	.13555	.09168	.42062
#1	3730.0	64320.	4546.1
#2	3737.1	64403.	4573.2

Sample Name: lcs 280-82834/2-a Acquired: 8/27/2011 0:11:13 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82834 SOIL DOD4.1

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04443**	**1.7202**	**.93792**	**.96238**	**1.9578**	**.04322**	**2.1352**	**42.260**	**.09844**	**.45551**
Stddev	.00005	.0090	.00065	.00041	.0085	.00005	.0041	.278	.00046	.00190
%RSD	.12360	.52134	.06887	.04289	.43348	.12296	.19103	.65714	.46887	.41812
#1	.04439	1.7265	.93838	.96209	1.9518	.04318	2.1323	42.063	.09812	.45417
#2	.04447	1.7139	.93746	.96267	1.9638	.04326	2.1380	42.456	.09877	.45686
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18640**	**.23596**	**.79910**	**49.668**	**1.0222**	**45.655**	**.46416**	**.93219**	**53.954**	**.45619**
Stddev	.00102	.00006	.00781	.371	.0021	.025	.00045	.00095	.695	.00150
%RSD	.54769	.02554	.97786	.74652	.20222	.05530	.09795	.10188	1.2887	.32978
#1	.18568	.23600	.79357	49.405	1.0208	45.673	.46448	.93152	53.462	.45512
#2	.18712	.23591	.80462	49.930	1.0237	45.637	.46384	.93286	54.446	.45725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.1285**	**.46241**	**.05028**	**.46354**	**1.8449**	**5.1825**	**1.8159**	**.96467**	**.90655**	**.91554**
Stddev	.0348	.00040	.00311	.00202	.0055	.0398	.0094	.00455	.00263	.00089
%RSD	.38126	.08682	6.1856	.43542	.29638	.76862	.51895	.47120	.29019	.09768
#1	9.1039	.46212	.05248	.46211	1.8411	5.1543	1.8092	.96146	.90469	.91617
#2	9.1531	.46269	.04808	.46496	1.8488	5.2106	1.8226	.96789	.90841	.91491
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8155**	**2.0039**	**.47560**	**.45654**	**.46638**
Stddev	.0055	.0042	.00022	.00034	.00530
%RSD	.30071	.21108	.04547	.07432	1.1367
#1	1.8117	2.0068	.47576	.45630	.46263
#2	1.8194	2.0009	.47545	.45678	.47013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3596.4**	**61160.**	**4510.7**
Stddev	13.2	37.	40.7
%RSD	.36798	.05974	.90292
#1	3605.8	61186.	4539.5
#2	3587.0	61134.	4481.9

Sample Name: 280-19420-a-1-d Acquired: 8/27/2011 0:13:35 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82834 SOIL DOD4.1

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00065**	**204.27**	**.04443**	**.03861**	**3.3259**	**.00905**	**-.00167**	**41.723**	**.00171**	**.07864**
Stddev	.00069	.22	.00078	.00017	.0031	.00001	.00011	.080	.00024	.00021
%RSD	105.39	.10647	1.7542	.44873	.09176	.10193	6.4602	.19291	13.799	.27020
#1	-.00114	204.11	.04388	.03873	3.3237	.00906	-.00175	41.666	.00154	.07849
#2	-.00017	204.42	.04498	.03849	3.3281	.00905	-.00160	41.780	.00187	.07879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12761**	**.27673**	**138.17**	**40.327**	**.21316**	**45.414**	**5.6409**	**.00387**	**1.1479**	**.12869**
Stddev	.00068	.00071	.17	.090	.00313	.052	.0395	.00153	.0007	.00079
%RSD	.53176	.25585	.12113	.22350	1.4672	.11559	.70052	39.495	.05843	.61735
#1	.12713	.27623	138.05	40.264	.21537	45.377	5.6130	.00279	1.1474	.12812
#2	.12809	.27723	138.29	40.391	.21095	45.451	5.6689	.00495	1.1483	.12925
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.9970**	**1.6456**	**2.2095**	**.00245**	**-.00021**	**1.7756**	**.00314**	**.35920**	**.09153**	**4.2094**
Stddev	.0021	.0003	.0036	.00273	.00156	.0263	.00235	.00046	.00017	.0029
%RSD	.03463	.01564	.16051	111.29	759.42	1.4807	74.897	.12850	.18091	.06781
#1	5.9984	1.6454	2.2120	.00052	.00090	1.7570	.00148	.35952	.09141	4.2074
#2	5.9955	1.6458	2.2070	.00438	-.00131	1.7942	.00481	.35887	.09164	4.2115
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00256**	F **-.10798**	**.02301**	**.69937**	**.24442**
Stddev	.00203	.00689	.00039	.00176	.00054
%RSD	79.507	6.3772	1.7123	.25105	.22020
#1	.00112	-.10311	.02328	.70061	.24480
#2	.00400	-.11284	.02273	.69812	.24404
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000			
Low Limit		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4108.1**	**68410.**	**5302.9**
Stddev	3.4	193.	7.1
%RSD	.08168	.28265	.13481
#1	4105.8	68546.	5297.9
#2	4110.5	68273.	5308.0

Sample Name: 280-19420-a-1-d SD@5 Acquired: 8/27/2011 0:16:54 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82834 SOIL DOD4.1

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**46.911**	**.01313**	**.01051**	**.74582**	**.00209**	**-.00127**	**9.5289**	**-.00015**	**.01796**
Stddev	.00042	.010	.00001	.00043	.00049	.00017	.00025	.0154	.00012	.00012
%RSD	613.79	.02169	.04442	4.0458	.06597	8.2231	19.832	.16105	79.593	.68600
#1	.00036	46.904	.01314	.01081	.74547	.00221	-.00145	9.5181	-.00007	.01805
#2	-.00023	46.918	.01313	.01021	.74616	.00196	-.00109	9.5398	-.00024	.01787
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02867**	**.06026**	**30.873**	**9.1390**	**.04993**	**10.407**	**1.2969**	**-.00012**	**.38151**	**.02925**
Stddev	.00000	.00032	.063	.0360	.00233	.004	.0003	.00004	.00367	.00044
%RSD	.00518	.52924	.20324	.39360	4.6652	.03841	.02506	36.452	.96137	1.4984
#1	.02867	.06049	30.829	9.1135	.04828	10.409	1.2967	-.00015	.37892	.02956
#2	.02868	.06004	30.917	9.1644	.05158	10.404	1.2971	-.00009	.38410	.02894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3560**	**.38246**	**.50323**	**-.00018**	**-.00301**	**.38178**	**.00040**	**.08143**	**.01972**	**.92256**
Stddev	.0014	.00217	.00174	.00067	.00114	.03191	.00050	.00008	.00186	.00009
%RSD	.10548	.56623	.34551	364.07	37.949	8.3590	124.49	.10125	9.4460	.01021
#1	1.3570	.38399	.50446	-.00066	-.00381	.35922	.00076	.08149	.02104	.92263
#2	1.3550	.38093	.50200	.00029	-.00220	.40435	.00005	.08138	.01840	.92250
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**-.02031**	**.01213**	**.16197**	**.05785**
Stddev	.00142	.03875	.00093	.00010	.00163
%RSD	127.28	190.79	7.6284	.06030	2.8129
#1	.00212	-.04771	.01148	.16190	.05900
#2	.00011	.00709	.01279	.16204	.05670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3843.2**	**64735.**	**4712.0**
Stddev	7.4	108.	4.8
%RSD	.19188	.16723	.10235
#1	3838.0	64812.	4715.4
#2	3848.4	64658.	4708.6

Sample Name: 280-19420-a-1-d PDS Acquired: 8/27/2011 0:19:27 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82834 SOIL DOD4.1

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04374**	**202.34**	**.21671**	**.12295**	**3.3657**	**.04796**	**-.00617**	**56.651**	**.04679**	**.11854**
Stddev	.00002	.21	.00050	.00006	.0045	.00022	.00264	.106	.00003	.00029
%RSD	.05112	.10338	.22938	.05023	.13262	.45555	42.777	.18702	.06904	.24570
#1	.04372	202.49	.21635	.12290	3.3689	.04811	-.00430	56.726	.04677	.11875
#2	.04375	202.19	.21706	.12299	3.3626	.04780	-.00803	56.576	.04682	.11834
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16885**	**.31760**	**136.62**	**58.404**	**.30170**	**61.906**	**5.6121**	**.04245**	**21.609**	**.16798**
Stddev	.00007	.00027	.16	.147	.00196	.095	.0470	.00048	.446	.00042
%RSD	.04403	.08605	.11749	.25124	.64828	.15304	.83756	1.1266	2.0636	.24960
#1	.16880	.31779	136.73	58.507	.30308	61.973	5.5788	.04279	21.924	.16769
#2	.16891	.31741	136.50	58.300	.30032	61.839	5.6453	.04211	21.294	.16828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.5516**	**1.6944**	**2.2024**	**.08415**	**.16488**	**5.2919**	**.08430**	**.39897**	**.26054**	**4.1997**
Stddev	.0375	.0039	.0007	.00116	.00152	.0098	.00031	.00035	.00019	.0039
%RSD	.49700	.22757	.03261	1.3745	.91934	.18502	.37267	.08688	.07335	.09327
#1	7.5250	1.6917	2.2019	.08496	.16595	5.2988	.08452	.39922	.26041	4.2024
#2	7.5781	1.6972	2.2029	.08333	.16381	5.2850	.08408	.39873	.26068	4.1969
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.16151**	**.36535**	**.06669**	**.85926**	**.28441**
Stddev	.00183	.02204	.00158	.00269	.00043
%RSD	1.1326	6.0327	2.3738	.31352	.15043
#1	.16022	.38093	.06781	.85735	.28411
#2	.16280	.34976	.06557	.86116	.28471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4061.2**	**67290.**	**5262.5**
Stddev	12.5	70.	21.2
%RSD	.30841	.10395	.40234
#1	4070.1	67241.	5247.5
#2	4052.3	67340.	5277.5

Sample Name: 280-19420-a-2-d Acquired: 8/27/2011 0:22:43 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82834 SOIL DOD4.1

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**170.76**	**.04063**	**.03598**	**2.6599**	**.00729**	**.00492**	**31.109**	**.00090**	**.06062**
Stddev	.00015	.33	.00513	.00034	.0062	.00002	.00193	.085	.00012	.00015
%RSD	472.73	.19495	12.618	.94818	.23288	.29468	39.132	.27453	13.939	.25459
#1	-.00007	170.53	.03700	.03622	2.6555	.00731	.00356	31.049	.00081	.06051
#2	.00014	171.00	.04425	.03574	2.6643	.00728	.00629	31.169	.00098	.06073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10521**	**.19918**	**115.80**	**31.408**	**.17689**	**36.375**	**4.3146**	**.00015**	**1.0682**	**.09772**
Stddev	.00002	.00020	.08	.085	.00233	.029	.0037	.00005	.0056	.00005
%RSD	.02056	.10179	.06735	.26997	1.3146	.07851	.08451	35.473	.51992	.04869
#1	.10522	.19933	115.74	31.348	.17853	36.355	4.3120	.00018	1.0721	.09769
#2	.10519	.19904	115.85	31.468	.17524	36.395	4.3172	.00011	1.0643	.09776
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9434**	W **11.213**	**1.7060**	**.08925**	W **-.00722**	**2.0948**	**.00175**	**.28166**	**.07356**	**4.4397**
Stddev	.0008	.008	.0062	.00267	.00446	.0065	.00019	.00105	.00089	.0059
%RSD	.01518	.07373	.36059	2.9965	61.745	.30925	10.988	.37456	1.2092	.13360
#1	4.9439	11.219	1.7016	.09114	-.00407	2.0902	.00162	.28091	.07293	4.4355
#2	4.9429	11.207	1.7103	.08736	-.01038	2.0994	.00189	.28240	.07419	4.4438
Check ?	Chk Pass	Chk Warn	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000			5.0000					
Low Limit		-.00300			-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	F **-.11733**	**.04176**	**.43343**	**.19283**
Stddev	.00042	.04167	.00020	.00050	.00358
%RSD	72.277	35.515	.46714	.11535	1.8540
#1	.00089	-.08787	.04162	.43378	.19030
#2	.00029	-.14680	.04190	.43307	.19535
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000			
Low Limit		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4023.7**	**66478.**	**5141.8**
Stddev	.3	115.	34.4
%RSD	.00800	.17280	.66997
#1	4024.0	66397.	5166.2
#2	4023.5	66559.	5117.4

Sample Name: CCVH-940568 Acquired: 8/27/2011 0:25:18 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00577**	**45.283**	k **-.00085**	**.00222**	k **.00099**	k **-.00009**	k **.96046**	k **-.00426**	k **-.00180**	k **.00220**	k **.00059**
Stddev	.00025	.011	.00017	.00023	.00031	.00002	.00051	.00050	.00004	.00017	.00018
%RSD	4.4005	.02534	19.704	10.446	31.587	27.603	.05306	11.693	2.3285	7.9314	29.603
#1	k -.00595	45.275	k -.00097	.00206	k .00077	k -.00011	k .96082	k -.00462	k -.00177	k .00208	k .00047
#2	k -.00559	45.291	k -.00073	.00238	k .00121	k -.00007	k .96010	k -.00391	k -.00183	k .00232	k .00072
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None
Value											
Range											

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01337**	kF **43.154**	**.08312**	k **.00563**	k **-.34409**	**.00002**	**-.00254**	F **278.21**	**.00142**	**.00601**	k **.01398**
Stddev	.00003	.167	.01778	.00032	.00124	.00004	.00029	.07	.00007	.00199	.00733
%RSD	.21760	.38593	21.389	5.6872	.35926	248.55	11.437	.02400	5.1897	33.023	52.420
#1	k .01335	k 43.271	.07055	k .00540	k -.34497	-.00001	-.00275	278.26	.00137	.00461	k .00880
#2	k .01339	k 43.036	.09569	k .00585	k -.34322	.00005	-.00234	278.17	.00147	.00742	k .01916
Check ?	None	Chk Fail	None	None	None	None	None	Chk Fail	None	None	None
Value		50.000						250.00			
Range		-10.000%						10.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9009**	k **-.01901**	k **-.00796**	k **.01031**	k **.00226**	**.00027**	k **5.0756**	k **.03720**	k **-.00325**	k **10.203**	k **-.00774**
Stddev	.0036	.00043	.00041	.01423	.00007	.00001	.0149	.00056	.00029	.025	.00011
%RSD	.07287	2.2442	5.0930	138.06	3.2076	3.7960	.29305	1.5105	8.7952	.24179	1.3743
#1	4.8983	k -.01932	k -.00824	k .00025	k .00221	.00027	k 5.0651	k .03680	k -.00345	k 10.185	k -.00781
#2	4.9034	k -.01871	k -.00767	k .02038	k .00231	.00028	k 5.0862	k .03760	k -.00304	k 10.220	k -.00766
Check ?	None	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None
Value											
Range											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	k **.00252**	k **.35153**
Stddev	.00055	.00042
%RSD	21.737	.11971
#1	k .00214	k .35183
#2	k .00291	k .35124
Check ?	None	None
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3603.1**	**60985.**	**4467.5**
Stddev	.9	2.	6.9
%RSD	.02623	.00362	.15473
#1	3603.7	60984.	4472.4
#2	3602.4	60987.	4462.7

Sample Name: CCV-940591 Acquired: 8/27/2011 0:27:57 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49642**	**.49523**	**.98458**	**.49352**	**.51016**	**.45095**	**.00020**	F **4.4897**	**.50190**	**.48703**	**.48757**	**.49586**
Stddev	.00092	.01276	.00242	.00035	.00120	.00081	.00350	.0094	.00066	.00009	.00019	.00168
%RSD	.18458	2.5756	.24578	.07145	.23570	.17970	1763.9	.20993	.13188	.01802	.03836	.33798
#1	.49707	.48621	.98287	.49377	.51101	.45153	.00267	4.4963	.50237	.48709	.48770	.49704
#2	.49578	.50425	.98629	.49327	.50931	.45038	-.00228	4.4830	.50143	.48696	.48744	.49467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								5.0000				
Range								-10.000%				

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.0833**	**52.055**	**1.0647**	**19.470**	**.49206**	**.49571**	F **5.6358**	**.49276**	**.94912**	**.99460**	**.01118**	**.98525**
Stddev	.0012	.072	.0047	.042	.00066	.00114	.0114	.00144	.00006	.00007	.00112	.00393
%RSD	.05504	.13783	.43993	.21686	.13482	.23029	.20132	.29122	.00599	.00741	9.9859	.39839
#1	2.0841	52.106	1.0680	19.499	.49253	.49651	5.6438	.49378	.94908	.99454	.01039	.98802
#2	2.0825	52.004	1.0614	19.440	.49159	.49490	5.6278	.49175	.94916	.99465	.01197	.98247
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value	2.5000						5.0000					
Range	-10.000%						10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97943**	F **4.2263**	**.98540**	**.50166**	**-.00181**	**.47985**	**.97800**	**.00540**	**.49279**	**.48634**	**.48286**
Stddev	.00795	.0123	.00275	.00138	.00042	.00121	.00066	.00519	.00136	.00074	.00368
%RSD	.81162	.29045	.27937	.27430	22.920	.25211	.06768	96.105	.27551	.15180	.76162
#1	.98505	4.2176	.98735	.50263	-.00152	.48070	.97753	.00173	.49375	.48686	.48546
#2	.97381	4.2349	.98346	.50069	-.00211	.47899	.97847	.00907	.49183	.48582	.48026
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		5.0000									
Range		-10.000%									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3667.5**	**62349.**	**4455.4**
Stddev	.7	215.	3.5
%RSD	.01807	.34427	.07776
#1	3667.0	62198.	4452.9
#2	3668.0	62501.	4457.8

Sample Name: CCB Acquired: 8/27/2011 0:30:21 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00106**	W **.00461**	**.00151**	W **.00112**	**-.00006**	**-.00008**	**-.00150**	**-.00024**	**.00020**	**.00028**
Stddev	.00081	.00097	.00193	.00090	.00004	.00001	.00388	.00188	.00034	.00008	.00045
%RSD	192.83	91.449	41.980	59.171	3.7400	21.720	4743.6	125.70	140.16	41.066	160.58
#1	.00100	.00037	.00598	.00088	.00109	-.00007	.00266	-.00283	-.00048	.00014	-.00004
#2	-.00015	.00174	.00324	.00215	.00114	-.00005	-.00282	-.00017	.00000	.00025	.00060
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00440		.00058						
Low Limit			-.00440		-.00058						

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00248**	**.04018**	F **.00541**	**.00522**	**.00007**	**.00217**	F **.20601**	**.00027**	**-.00118**	**.00023**
Stddev	.00013	.00125	.02057	.00145	.00219	.00004	.00091	.00293	.00012	.00013	.00273
%RSD	178.17	50.352	51.192	26.725	42.049	63.588	41.942	1.4239	43.901	11.377	1201.4
#1	.00017	.00160	.05473	.00439	.00677	.00010	.00153	.20394	.00019	-.00128	.00215
#2	-.00002	.00337	.02564	.00644	.00367	.00004	.00282	.20809	.00036	-.00109	-.00170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.00522				.10000			
Low Limit				-.00522				-.10000			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00612**	F **.01083**	**.00187**	**-.00768**	**.00078**	**.00008**	**-.00053**	**.00030**	**.00097**	**.02796**	**-.00051**
Stddev	.00049	.00217	.00228	.00608	.00083	.00006	.00152	.00020	.00023	.00914	.00010
%RSD	8.0518	19.993	122.06	79.174	106.02	83.068	289.82	67.806	23.543	32.678	20.263
#1	.00647	.00930	.00026	-.00338	.00020	.00003	.00055	.00016	.00113	.03442	-.00043
#2	.00578	.01236	.00348	-.01198	.00137	.00012	-.00160	.00044	.00081	.02150	-.00058
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00229**	W **.00388**
Stddev	.00030	.00016
%RSD	12.922	4.2412
#1	.00250	.00376
#2	.00208	.00400
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3710.4**	**63539.**	**4456.0**
Stddev	7.6	3.	4.9
%RSD	.20513	.00534	.10982
#1	3705.0	63541.	4452.5
#2	3715.8	63537.	4459.4

Sample Name: CCVL946273 Acquired: 8/27/2011 0:32:58 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01023**	**.09870**	**.01689**	**.10282**	**.01049**	**.00098**	**.11828**	**.17492**	**.00500**	**.01026**	**.01014**
Stddev	.00002	.00338	.00012	.00018	.00018	.00001	.00372	.00507	.00000	.00010	.00007
%RSD	.22845	3.4233	.71540	.17261	1.7584	1.3482	3.1440	2.8976	.02815	.94549	.69331
#1	.01025	.10109	.01697	.10294	.01062	.00099	.11565	.17850	.00500	.01033	.01009
#2	.01022	.09632	.01680	.10269	.01036	.00097	.12091	.17133	.00500	.01020	.01019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01582**	**.08370**	**3.1440**	F **.02033**	**.20613**	**.01029**	**.01938**	W **1.2984**	**.04113**	**2.8140**	**.00926**
Stddev	.00017	.00037	.0333	.00443	.00113	.00002	.00012	.0095	.00009	.0083	.00250
%RSD	1.0635	.43649	1.0596	21.794	.54798	.15085	.60851	.72883	.21578	.29664	27.009
#1	.01594	.08344	3.1675	.01720	.20533	.01028	.01929	1.3051	.04107	2.8080	.00749
#2	.01570	.08396	3.1204	.02346	.20693	.01030	.01946	1.2917	.04119	2.8199	.01103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
Value				.01000				1.0000			
Range				30.000%				20.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01112**	F **.01359**	W **.01194**	**.40756**	**.09925**	**.01024**	**.01363**	**.00975**	**.01742**	W **.04671**	**.01000**
Stddev	.00002	.00008	.00200	.00396	.00058	.00012	.00050	.00011	.00233	.00404	.00065
%RSD	.21337	.58294	16.741	.97104	.58131	1.1925	3.6875	1.0835	13.405	8.6402	6.5348
#1	.01113	.01364	.01335	.40476	.09966	.01033	.01398	.00983	.01907	.04386	.00954
#2	.01110	.01353	.01052	.41036	.09885	.01015	.01327	.00968	.01577	.04956	.01046
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value		.01000	.01500							.06000	
Range		30.000%	-20.000%							-20.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02232**	W **.01819**
Stddev	.00007	.00110
%RSD	.32788	6.0378
#1	.02226	.01741
#2	.02237	.01897
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3706.7**	**63333.**	**4518.8**
Stddev	7.6	164.	6.5
%RSD	.20383	.25856	.14460
#1	3701.3	63449.	4514.1
#2	3712.0	63218.	4523.4

Sample Name: mb 280-82955/1-a Acquired: 8/27/2011 0:35:34 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82955 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00013	.00129	.00287	W .00183	W .00068	.00001	-.00381	-.00197	W -.00051	.00000
Stddev	.00061	.00062	.00117	.00000	.00012	.00003	.00164	.00282	.00007	.00019
%RSD	479.86	47.931	40.809	.16546	17.481	229.79	43.160	143.35	13.543	21482.
#1	.00055	.00172	.00370	.00183	.00060	-.00001	-.00265	.00003	-.00056	.00014
#2	-.00030	.00085	.00204	.00183	.00077	.00004	-.00497	-.00396	-.00046	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				.00156	.00058				.00045	
Low Limit				-.00156	-.00058				-.00045	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00009	.00025	.01461	.05529	W .00533	.00175	W .00027	-.00077	W .18061	.00021
Stddev	.00004	.00013	.00034	.02646	.00355	.00205	.00002	.00009	.00870	.00011
%RSD	41.918	49.968	2.3253	47.863	66.631	117.06	7.3563	11.454	4.8157	50.198
#1	-.00011	.00034	.01485	.03658	.00784	.00030	.00025	-.00083	.18676	.00014
#2	-.00006	.00016	.01437	.07400	.00282	.00319	.00028	-.00070	.17446	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit					.00261		.00025		.09160	
Low Limit					-.00261		-.00025		-.09160	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00265	-.00018	.01312	.00142	-.00178	-.00648	-.00009	-.00011	-.00090	.00023
Stddev	.00217	.00222	.00137	.00191	.00135	.01682	.00001	.00010	.00015	.00003
%RSD	81.859	1256.0	10.416	134.98	75.735	259.41	10.680	90.236	16.840	12.970
#1	.00419	.00139	.01409	.00006	-.00273	.00541	-.00010	-.00004	-.00100	.00025
#2	.00112	-.00174	.01216	.00277	-.00083	-.01838	-.00008	-.00018	-.00079	.00021
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00024	W .02035	-.00089	.00118	.00529
Stddev	.00026	.00778	.00019	.00023	.00245
%RSD	108.90	38.250	21.905	19.108	46.321
#1	.00042	.01485	-.00102	.00134	.00703
#2	.00005	.02585	-.00075	.00102	.00356
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.01610			
Low Limit		-.01610			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3739.4	63973.	4522.5
Stddev	2.1	9.	34.3
%RSD	.05589	.01356	.75861
#1	3737.9	63967.	4546.7
#2	3740.9	63979.	4498.2

Sample Name: lcs 280-82955/2-a Acquired: 8/27/2011 0:38:11 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82955 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04807**	**1.8187**	**1.0099**	**.99242**	**2.0768**	**.04561**	F **2.2897**	**44.744**	**.10561**	**.48318**
Stddev	.00041	.0131	.0016	.00129	.0013	.00004	.0015	.029	.00030	.00109
%RSD	.86081	.72252	.16232	.13033	.06430	.08515	.06470	.06494	.28492	.22616
#1	.04778	1.8280	1.0111	.99333	2.0758	.04558	2.2887	44.723	.10540	.48240
#2	.04836	1.8094	1.0087	.99150	2.0777	.04563	2.2908	44.764	.10582	.48395
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19801**	**.25045**	F **.83041**	**52.876**	**1.0869**	**49.128**	**.49511**	**1.0065**	F **57.129**	**.48687**
Stddev	.00017	.00027	.00689	.002	.0003	.027	.00009	.0018	.077	.00014
%RSD	.08545	.10756	.82981	.00297	.03131	.05522	.01889	.17838	.13485	.02922
#1	.19789	.25064	.82553	52.877	1.0871	49.109	.49505	1.0077	57.183	.48677
#2	.19813	.25026	.83528	52.875	1.0866	49.147	.49518	1.0052	57.075	.48697
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			1.1400						56.000	
Low Limit			.88000						45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7971**	**.49485**	**.00381**	**.50783**	**2.0122**	F **8.4836**	**1.9764**	**1.0240**	**.96761**	**.98976**
Stddev	.0031	.00297	.00657	.00289	.0021	.0299	.0050	.0005	.00074	.00025
%RSD	.03116	.60057	172.36	.56942	.10202	.35185	.25412	.05045	.07683	.02550
#1	9.7950	.49695	-.00083	.50579	2.0107	8.4625	1.9799	1.0236	.96708	.98994
#2	9.7993	.49275	.00846	.50988	2.0136	8.5047	1.9728	1.0243	.96813	.98958
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500				
Low Limit						9.4000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9387**	**2.1293**	**.50703**	**.48867**	**.49842**
Stddev	.0046	.0063	.00104	.00030	.00046
%RSD	.23701	.29681	.20479	.06194	.09214
#1	1.9354	2.1337	.50629	.48845	.49875
#2	1.9419	2.1248	.50776	.48888	.49810
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3586.8**	**60629.**	**4501.7**
Stddev	4.4	18.	15.1
%RSD	.12252	.03006	.33486
#1	3589.9	60642.	4491.0
#2	3583.7	60616.	4512.3

Sample Name: 280-19465-c-14-d Acquired: 8/27/2011 0:40:33 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82955 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.03898**	**.00762**	**.19617**	**.44107**	**.00000**	**.00150**	**2.6037**	**-.00036**	**.00084**
Stddev	.00003	.00178	.00492	.00115	.00114	.0001	.00399	.0150	.00000	.00057
%RSD	9.9568	4.5699	64.478	.58737	.25853	1246.4	266.22	.57698	1.2271	68.490
#1	-.00036	.03772	.00415	.19535	.44187	-.00004	-.00132	2.6143	-.00036	.00043
#2	-.00031	.04024	.01110	.19698	.44026	.00003	.00432	2.5930	-.00037	.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00119**	**.00213**	**.31539**	**2.4585**	**.14181**	**.47224**	**.00981**	**.00544**	W **668.53**	**.00092**
Stddev	.00028	.00030	.00264	.0683	.00500	.00160	.00008	.00263	2.04	.00080
%RSD	23.155	14.039	.83829	2.7799	3.5283	.33842	.78001	48.257	.30523	87.113
#1	.00100	.00234	.31726	2.4102	.14535	.47111	.00975	.00359	669.97	.00035
#2	.00139	.00192	.31352	2.5069	.13828	.47337	.00986	.00730	667.09	.00148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03584**	**-.00026**	**.09556**	**.00118**	**.00977**	**8.5731**	**.00176**	**.54915**	**-.00194**	**.00110**
Stddev	.00887	.00018	.00568	.00007	.00244	.0153	.00257	.00137	.00143	.00033
%RSD	24.753	70.848	5.9397	6.2636	24.917	.17869	145.77	.24906	73.762	30.340
#1	.02956	-.00039	.09958	.00124	.00805	8.5840	-.00005	.55012	-.00093	.00087
#2	.04211	-.00013	.09155	.00113	.01150	8.5623	.00358	.54818	-.00295	.00134
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00290**	**.06245**	**-.00038**	**.00244**	**.00566**
Stddev	.00307	.05477	.00018	.00044	.00113
%RSD	105.93	87.714	47.767	17.966	20.040
#1	.00073	.02372	-.00025	.00213	.00646
#2	.00507	.10118	-.00051	.00275	.00486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3475.8**	**57447.**	**4460.8**
Stddev	3.3	10.	12.7
%RSD	.09428	.01778	.28562
#1	3473.4	57454.	4451.8
#2	3478.1	57440.	4469.8

Sample Name: 280-19465-c-15-b Acquired: 8/27/2011 0:44:01 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82955 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**.03644**	**.00334**	**.16965**	**.42979**	**-.00002**	**.00225**	**2.5104**	**-.00036**	**.00039**
Stddev	.00019	.00065	.00104	.00007	.00077	.00007	.00122	.0069	.00012	.00020
%RSD	68.141	1.7792	31.035	.04412	.17845	430.97	54.211	.27511	32.474	51.134
#1	-.00041	.03690	.00408	.16960	.42925	.00003	.00312	2.5153	-.00044	.00025
#2	-.00014	.03598	.00261	.16971	.43033	-.00006	.00139	2.5056	-.00028	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**.00163**	**.26856**	**2.5103**	**.14120**	**.48980**	**.00655**	**.00010**	W **648.65**	**.00076**
Stddev	.00018	.00064	.00202	.0324	.00184	.00261	.00006	.00011	2.16	.00015
%RSD	25.263	39.486	.75075	1.2908	1.3054	.53205	.84809	108.46	.33270	20.323
#1	.00083	.00117	.26999	2.4873	.13989	.48796	.00651	.00018	647.12	.00087
#2	.00058	.00208	.26713	2.5332	.14250	.49164	.00659	.00002	650.18	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02403**	**-.00051**	**.07109**	**-.00025**	W **-.00640**	**8.0475**	**-.00036**	**.53021**	**-.00146**	**.00026**
Stddev	.00335	.00235	.00337	.00035	.00168	.0313	.00039	.00009	.00008	.00028
%RSD	13.947	463.52	4.7457	137.80	26.184	.38879	108.75	.01626	5.6899	105.56
#1	.02166	-.00217	.07348	-.00050	-.00522	8.0254	-.00008	.53027	-.00152	.00007
#2	.02640	.00115	.06871	-.00001	-.00758	8.0697	-.00063	.53015	-.00140	.00046
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00224**	**.03456**	**-.00020**	**.00219**	**.00301**
Stddev	.00180	.00262	.00056	.00016	.00159
%RSD	79.981	7.5757	281.29	7.5139	52.877
#1	.00351	.03271	.00020	.00207	.00414
#2	.00098	.03641	-.00060	.00231	.00188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3478.4**	**57996.**	**4445.8**
Stddev	7.0	47.	7.9
%RSD	.20220	.08168	.17825
#1	3483.3	57963.	4451.4
#2	3473.4	58030.	4440.2

Sample Name: 280-19465-c-15-bSD@5 Acquired: 8/27/2011 0:47:28 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82955 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00051	.00830	.00349	.03624	.08763	-.00006	-.00155	.51124	-.00051	.00037
Stddev	.00098	.00126	.00288	.00004	.00006	.00002	.00278	.00188	.00016	.00007
%RSD	192.35	15.187	82.585	.11239	.06835	34.291	179.10	.36737	31.674	18.039
#1	.00120	.00919	.00145	.03621	.08758	-.00007	-.00352	.50991	-.00039	.00032
#2	-.00018	.00741	.00552	.03626	.08767	-.00004	.00041	.51257	-.00062	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00038	.00043	.05281	.56782	.03326	.10265	.00144	-.00066	132.16	.00034
Stddev	.00028	.00012	.00009	.01439	.00041	.00066	.00002	.00005	.09	.00018
%RSD	74.275	28.235	.17416	2.5343	1.2269	.63960	1.7199	7.4764	.06782	54.614
#1	.00058	.00035	.05287	.55765	.03297	.10219	.00142	-.00062	132.10	.00021
#2	.00018	.00052	.05274	.57800	.03355	.10311	.00146	-.00069	132.22	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00539	.00010	.01943	-.00145	W -.00690	1.6036	-.00040	.10789	-.00162	-.00015
Stddev	.00154	.00003	.00095	.00188	.00232	.0381	.00006	.00024	.00127	.00022
%RSD	28.482	26.875	4.8649	130.06	33.561	2.3751	13.949	.22552	78.115	142.21
#1	.00648	.00008	.01877	-.00278	-.00526	1.5766	-.00044	.10772	-.00252	.00000
#2	.00431	.00012	.02010	-.00012	-.00854	1.6305	-.00036	.10806	-.00073	-.00030
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00122	.00295	-.00034	.00282	.00129
Stddev	.00031	.00920	.00003	.00010	.00155
%RSD	24.972	311.42	7.8933	3.4681	119.99
#1	.00101	.00945	-.00032	.00289	.00020
#2	.00144	-.00355	-.00036	.00275	.00238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3641.6	61540.	4466.1
Stddev	2.0	211.	31.1
%RSD	.05490	.34354	.69587
#1	3643.1	61390.	4488.1
#2	3640.2	61689.	4444.2

Sample Name: 280-19465-c-15-c ms Acquired: 8/27/2011 0:50:04 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82955 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05042**	**1.8155**	**1.0445**	**1.1474**	**2.5270**	**.04612**	**2.2801**	**47.555**	**.10766**	**.48447**
Stddev	.00084	.0148	.0016	.0033	.0037	.00011	.0062	.091	.00020	.00011
%RSD	1.6655	.81562	.14987	.28941	.14815	.24604	.27200	.19039	.18176	.02347
#1	.04983	1.8260	1.0434	1.1450	2.5244	.04620	2.2757	47.491	.10780	.48439
#2	.05102	1.8050	1.0456	1.1497	2.5296	.04604	2.2845	47.619	.10752	.48455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19947**	**.25428**	**1.1090**	**58.097**	**1.2470**	**48.805**	**.50517**	**1.0163**	W **706.94**	**.48864**
Stddev	.00028	.00012	.0023	.242	.0054	.035	.00095	.0004	.21	.00040
%RSD	.13908	.04891	.21030	.41624	.43112	.07153	.18802	.03454	.03012	.08188
#1	.19928	.25419	1.1107	57.926	1.2508	48.829	.50584	1.0161	706.79	.48836
#2	.19967	.25437	1.1074	58.268	1.2432	48.780	.50450	1.0166	707.09	.48892
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.165**	**.48795**	**.04835**	**.51526**	**2.0580**	**16.635**	**1.9739**	**1.5706**	**.98423**	**1.0068**
Stddev	.030	.00138	.00491	.00663	.0000	.045	.0059	.0016	.00083	.0004
%RSD	.29030	.28318	10.163	1.2877	.00058	.26968	.29806	.10469	.08432	.04286
#1	10.144	.48893	.05182	.51057	2.0580	16.603	1.9697	1.5694	.98365	1.0065
#2	10.186	.48697	.04487	.51996	2.0580	16.667	1.9780	1.5717	.98482	1.0071
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8275**	**2.0942**	**.51651**	**.50991**	**.50725**
Stddev	.0006	.0277	.00120	.00046	.00190
%RSD	.03329	1.3222	.23199	.09059	.37514
#1	1.8279	2.1138	.51735	.51024	.50860
#2	1.8270	2.0746	.51566	.50958	.50590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3442.6**	**57163.**	**4434.2**
Stddev	2.3	116.	2.1
%RSD	.06808	.20267	.04774
#1	3444.3	57081.	4432.7
#2	3440.9	57245.	4435.7

Sample Name: 280-19465-c-15-d msd Acquired: 8/27/2011 0:53:20 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82955 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05059**	**1.8210**	**1.0431**	**1.1479**	**2.5445**	**.04613**	**2.2742**	**47.510**	**.10760**	**.48352**
Stddev	.00040	.0185	.0029	.0025	.0030	.00002	.0010	.019	.00032	.00066
%RSD	.79536	1.0174	.28207	.21789	.11796	.04721	.04179	.03927	.30006	.13606
#1	.05087	1.8341	1.0452	1.1497	2.5424	.04615	2.2735	47.497	.10783	.48399
#2	.05031	1.8079	1.0410	1.1462	2.5466	.04611	2.2749	47.523	.10737	.48305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19886**	**.25508**	**1.1085**	**58.183**	**1.2570**	**48.987**	**.50716**	**1.0100**	W **714.49**	**.48675**
Stddev	.00052	.00101	.0045	.018	.0020	.123	.00091	.0022	1.02	.00123
%RSD	.26042	.39505	.40262	.03180	.15846	.25174	.17851	.21604	.14337	.25327
#1	.19923	.25579	1.1117	58.170	1.2584	49.074	.50780	1.0115	713.77	.48762
#2	.19850	.25437	1.1053	58.196	1.2556	48.900	.50652	1.0084	715.22	.48588
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.164**	**.48614**	**.05951**	**.51063**	**2.0541**	**16.704**	**1.9504**	**1.5817**	**.98572**	**1.0018**
Stddev	.020	.00236	.00218	.00305	.0034	.107	.0015	.0018	.00103	.0033
%RSD	.19283	.48514	3.6605	.59818	.16813	.63987	.07850	.11188	.10433	.32529
#1	10.178	.48781	.05797	.50847	2.0565	16.628	1.9515	1.5805	.98645	1.0041
#2	10.150	.48448	.06105	.51279	2.0516	16.779	1.9493	1.5830	.98500	.99953
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8253**	**2.0913**	**.52187**	**.51385**	**.49957**
Stddev	.0040	.0002	.00150	.00253	.00420
%RSD	.21837	.00923	.28809	.49248	.84114
#1	1.8281	2.0914	.52293	.51564	.49659
#2	1.8225	2.0912	.52080	.51206	.50254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3448.2**	**57279.**	**4429.2**
Stddev	2.0	102.	.1
%RSD	.05887	.17821	.00150
#1	3449.7	57207.	4429.3
#2	3446.8	57351.	4429.2

Sample Name: 280-19465-c-16-b Acquired: 8/27/2011 0:56:36 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82955 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.56690**	**.00367**	**.16984**	**.35474**	**-.00002**	**-.00179**	**3.3087**	**-.00053**	**.00049**
Stddev	.00091	.00588	.00082	.00039	.00087	.00007	.00310	.0051	.00016	.00034
%RSD	158.61	1.0378	22.401	.23070	.24519	321.62	173.18	.15286	30.876	68.616
#1	.00121	.57106	.00425	.17011	.35412	-.00007	.00040	3.3051	-.00065	.00025
#2	-.00007	.56274	.00309	.16956	.35535	.00003	-.00398	3.3123	-.00042	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00122**	**.00254**	**.88340**	**3.3511**	**.10097**	**.87755**	**.05493**	**.00296**	W **666.38**	**.00147**
Stddev	.00003	.00004	.00427	.0543	.00078	.00889	.00040	.00027	.48	.00030
%RSD	2.3652	1.6655	.48323	1.6191	.77203	1.0130	.72210	9.2096	.07166	20.584
#1	.00124	.00251	.88642	3.3127	.10042	.88383	.05521	.00276	666.05	.00125
#2	.00120	.00257	.88038	3.3895	.10152	.87126	.05465	.00315	666.72	.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06561**	**-.00057**	**.33398**	**-.00101**	**.00021**	**7.1384**	**-.00067**	**.45398**	**-.00149**	**.00478**
Stddev	.00087	.00004	.00015	.00069	.00148	.0264	.00017	.00043	.00134	.00016
%RSD	1.3187	7.6743	.04594	68.108	691.06	.36961	24.965	.09373	89.935	3.3472
#1	.06622	-.00054	.33387	-.00150	.00126	7.1197	-.00055	.45367	-.00244	.00490
#2	.06500	-.00060	.33409	-.00053	-.00083	7.1570	-.00078	.45428	-.00054	.00467
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00211**	**-.01186**	**-.00008**	**.00462**	**.00346**
Stddev	.00062	.04102	.00024	.00026	.00207
%RSD	29.322	345.94	293.57	5.5719	59.725
#1	.00167	.01715	-.00025	.00444	.00200
#2	.00254	-.04086	.00009	.00481	.00493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3485.1**	**57983.**	**4458.8**
Stddev	.1	146.	6.8
%RSD	.00344	.25166	.15330
#1	3485.0	57880.	4453.9
#2	3485.1	58086.	4463.6

Sample Name: 280-19465-c-17-b Acquired: 8/27/2011 1:00:04 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82955 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.04596**	**.00435**	**.17814**	**.44707**	**-.00007**	**.00063**	**2.4877**	**-.00042**	**.00058**
Stddev	.00004	.00024	.00115	.00057	.00044	.00006	.00081	.0001	.00023	.00016
%RSD	32.518	.51792	26.338	.31994	.09940	78.594	129.18	.00421	55.993	28.473
#1	-.00015	.04612	.00516	.17855	.44676	-.00003	.00005	2.4878	-.00025	.00070
#2	-.00009	.04579	.00354	.17774	.44739	-.00011	.00120	2.4876	-.00058	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00116**	**.00391**	**.74421**	**2.8491**	**.10051**	**.69686**	**.01378**	**-.00006**	W **701.71**	**.00133**
Stddev	.00002	.00004	.00102	.0147	.00118	.00009	.00003	.00013	.61	.00002
%RSD	1.8468	1.0536	.13682	.51647	1.1705	.01229	.18862	211.09	.08664	1.7325
#1	.00115	.00394	.74349	2.8387	.09968	.69680	.01376	.00003	701.28	.00131
#2	.00118	.00388	.74493	2.8595	.10135	.69692	.01380	-.00015	702.14	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02955**	**.00073**	**.16720**	**-.00005**	**-.00003**	**8.3867**	**-.00069**	**.64347**	**-.00148**	**.00085**
Stddev	.00395	.00111	.00541	.00020	.00186	.0279	.00012	.00005	.00261	.00009
%RSD	13.366	151.43	3.2381	360.82	7352.8	.33327	18.149	.00705	175.96	11.131
#1	.03234	.00152	.17103	-.00019	-.00134	8.3670	-.00078	.64350	.00036	.00079
#2	.02676	-.00005	.16337	.00008	.00129	8.4065	-.00060	.64344	-.00333	.00092
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00224**	**.02189**	**-.00016**	**.00140**	**.00293**
Stddev	.00034	.01570	.00002	.00015	.00023
%RSD	15.218	71.740	13.462	10.496	7.8394
#1	.00200	.01078	-.00015	.00150	.00277
#2	.00248	.03299	-.00018	.00129	.00309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3452.9**	**57367.**	**4423.8**
Stddev	.7	6.	1.0
%RSD	.02074	.00996	.02183
#1	3452.4	57371.	4423.1
#2	3453.4	57363.	4424.5

Sample Name: CCVH-940568 Acquired: 8/27/2011 1:03:32 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00562**	**45.010**	k **-.00130**	**.00316**	k **.00120**	k **-.00013**	k **.96674**	k **.00000**	k **-.00165**	k **.00203**	k **.00048**
Stddev	.00048	.098	.00140	.00004	.00007	.00003	.00392	.00151	.00008	.00013	.00005
%RSD	8.5259	.21771	107.69	1.1679	5.8313	23.711	.40572	60650.	5.0977	6.1855	11.218
#1	k -.00528	44.941	k -.00228	.00313	k .00116	k -.00015	k .96952	k .00107	k -.00171	k .00194	k .00045
#2	k -.00596	45.080	k -.00031	.00319	k .00125	k -.00011	k .96397	k -.00107	k -.00159	k .00212	k .00052
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None
Value											
Range											

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01377**	kF **42.645**	**.24778**	k **.00728**	k **-.34967**	**-.00002**	**-.00232**	F **281.19**	**.00124**	**.00121**	k **.00542**
Stddev	.00026	.257	.04986	.00427	.00147	.00006	.00033	.44	.00013	.00304	.00145
%RSD	1.8603	.60212	20.124	58.633	.42174	298.12	14.241	.15650	10.283	250.51	26.703
#1	k .01395	k 42.464	.21252	k .01030	k -.34862	-.00007	-.00255	280.88	.00115	.00336	k .00644
#2	k .01359	k 42.827	.28304	k .00426	k -.35071	.00002	-.00208	281.50	.00133	-.00094	k .00440
Check ?	None	Chk Fail	None	None	None	None	None	Chk Fail	None	None	None
Value		50.000						250.00			
Range		-10.000%						10.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9408**	k **-.02008**	k **-.01087**	k **.01539**	k **.00246**	**.00024**	k **5.0960**	k **.03484**	k **-.00302**	k **10.321**	k **-.00764**
Stddev	.0012	.00110	.00096	.00503	.00074	.00014	.0034	.00023	.00241	.035	.00025
%RSD	.02517	5.4591	8.8129	32.705	30.286	56.789	.06758	.64791	79.944	.34063	3.2285
#1	4.9417	k -.02086	k -.01155	k .01183	k .00193	.00033	k 5.0935	k .03500	k -.00131	k 10.296	k -.00747
#2	4.9399	k -.01931	k -.01019	k .01895	k .00298	.00014	k 5.0984	k .03468	k -.00472	k 10.346	k -.00781
Check ?	None	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None
Value											
Range											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	k **.00244**	k **.35816**
Stddev	.00017	.00001
%RSD	6.8542	.00152
#1	k .00256	k .35817
#2	k .00232	k .35816
Check ?	None	None
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3564.3**	**60467.**	**4438.8**
Stddev	4.7	31.	8.7
%RSD	.13281	.05205	.19505
#1	3567.6	60445.	4445.0
#2	3561.0	60489.	4432.7

Sample Name: CCV-940591 Acquired: 8/27/2011 1:06:12 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49704**	**.50349**	**.98911**	**.49501**	**.51140**	F **.44944**	**.00119**	F **4.4696**	**.50173**	**.48770**	**.48862**	**.49685**
Stddev	.00059	.02127	.00454	.00241	.00144	.00070	.00094	.0061	.00054	.00150	.00140	.00014
%RSD	.11899	4.2246	.45855	.48635	.28197	.15474	78.872	.13676	.10806	.30690	.28648	.02833
#1	.49746	.48845	.98591	.49330	.51038	.44895	.00053	4.4739	.50135	.48664	.48763	.49675
#2	.49662	.51853	.99232	.49671	.51242	.44993	.00186	4.4653	.50212	.48876	.48960	.49695
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						.50000		5.0000				
Range						-10.000%		-10.000%				

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.0696**	**52.208**	**1.0681**	**19.430**	**.49216**	**.49409**	F **5.9496**	**.49180**	**.94421**	**.99272**	**.00703**	**.97918**
Stddev	.0115	.043	.0013	.006	.00044	.00016	.0019	.00035	.00493	.00320	.00067	.00091
%RSD	.55450	.08156	.12445	.03082	.09030	.03227	.03191	.07023	.52184	.32247	9.5090	.09283
#1	2.0615	52.178	1.0690	19.434	.49248	.49398	5.9510	.49155	.94770	.99046	.00750	.97983
#2	2.0777	52.239	1.0671	19.426	.49185	.49420	5.9483	.49204	.94073	.99499	.00655	.97854
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value	2.5000						5.0000					
Range	-10.000%						10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97972**	F **4.2605**	**.98127**	**.50234**	**.00016**	**.47871**	**.97617**	**.00005**	**.49508**	**.48472**	**.47808**
Stddev	.00193	.0168	.00116	.00114	.00005	.00097	.00080	.01327	.00043	.00117	.00244
%RSD	.19677	.39326	.11859	.22793	29.252	.20208	.08149	29410.	.08697	.24166	.51088
#1	.97836	4.2723	.98210	.50153	.00013	.47940	.97673	-.00934	.49538	.48555	.47635
#2	.98108	4.2486	.98045	.50315	.00019	.47803	.97561	.00943	.49477	.48389	.47981
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		5.0000									
Range		-10.000%									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3637.1**	**61977.**	**4423.4**
Stddev	7.4	52.	15.6
%RSD	.20357	.08337	.35276
#1	3631.9	62014.	4434.5
#2	3642.4	61941.	4412.4

Sample Name: CCB Acquired: 8/27/2011 1:08:36 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00099**	**.00430**	W **.00263**	W **.00087**	**-.00007**	**-.00075**	**-.00515**	**.00007**	**.00029**	**.00016**
Stddev	.00054	.00068	.00375	.00076	.00063	.00000	.00106	.00139	.00029	.00046	.00020
%RSD	137.72	69.207	87.150	28.745	72.519	1.8479	142.20	26.891	436.96	154.88	123.85
#1	.00078	.00051	.00696	.00210	.00131	-.00007	.00000	-.00417	-.00014	-.00003	.00002
#2	.00001	.00147	.00165	.00317	.00042	-.00007	-.00150	-.00613	.00027	.00062	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156	.00058						
Low Limit				-.00156	-.00058						

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00234**	**.16807**	W **.00383**	**.00180**	**-.00001**	**.00256**	F **.50303**	**.00027**	**-.00053**	**-.00082**
Stddev	.00056	.00198	.02100	.00055	.00291	.00009	.00072	.00328	.00008	.00382	.00093
%RSD	185.22	84.580	12.492	14.251	161.89	1686.4	27.977	.65111	28.289	714.14	113.12
#1	-.00009	.00094	.15323	.00421	-.00026	.00006	.00205	.50535	.00021	-.00323	-.00148
#2	.00069	.00373	.18292	.00344	.00386	-.00007	.00306	.50072	.00032	.00216	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.10000			
Low Limit				-.00261				-.10000			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01056**	F **.01050**	**.00210**	**-.00699**	**.00134**	**-.00004**	**.00021**	**.00006**	**.00145**	**.00423**	**-.00048**
Stddev	.00030	.00374	.00262	.01444	.00119	.00008	.00109	.00024	.00025	.03045	.00011
%RSD	2.8654	35.641	125.11	206.61	88.702	215.97	530.05	373.33	17.132	720.32	22.629
#1	.01035	.00785	.00395	.00322	.00050	-.00009	.00098	-.00010	.00163	-.01730	-.00041
#2	.01077	.01315	.00024	-.01720	.00218	.00002	-.00057	.00023	.00128	.02576	-.00056
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00131**	F **.00501**
Stddev	.00016	.00002
%RSD	12.208	.42041
#1	.00142	.00499
#2	.00120	.00502
Check ?	Chk Pass	Chk Fail
High Limit		.00476
Low Limit		-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3697.8**	**63141.**	**4439.1**
Stddev	.5	13.	3.3
%RSD	.01238	.02075	.07437
#1	3697.5	63151.	4441.4
#2	3698.2	63132.	4436.7

Sample Name: CCVL946273 Acquired: 8/27/2011 1:11:13 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01038**	**.10123**	F **.01955**	**.10360**	**.01118**	**.00082**	W **.12030**	**.18504**	**.00489**	**.01032**	**.00996**
Stddev	.00006	.00137	.00096	.00029	.00014	.00004	.00341	.00095	.00011	.00000	.00001
%RSD	.59730	1.3521	4.9055	.27529	1.2219	5.0519	2.8323	.51175	2.3293	.03499	.07652
#1	.01033	.10220	.02023	.10340	.01128	.00085	.12271	.18437	.00481	.01032	.00996
#2	.01042	.10026	.01887	.10380	.01109	.00079	.11789	.18571	.00497	.01032	.00997
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500				.10000				
Range			30.000%				20.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01496**	**.09182**	**3.2881**	F **.01663**	**.20739**	**.01135**	**.01957**	F **1.5368**	**.04115**	**2.8100**	**.00760**
Stddev	.00028	.00351	.0092	.00161	.00128	.00000	.00021	.0055	.00003	.0026	.00053
%RSD	1.8430	3.8265	.28008	9.7045	.61671	.00872	1.0986	.36077	.08096	.09203	6.9856
#1	.01477	.09431	3.2816	.01549	.20829	.01135	.01972	1.5408	.04118	2.8082	.00797
#2	.01516	.08934	3.2946	.01778	.20648	.01135	.01942	1.5329	.04113	2.8118	.00722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				.01000				1.0000			
Range				30.000%				30.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01185**	F **.01331**	**.01438**	**.41379**	**.10124**	**.01038**	**.01357**	**.00985**	**.01595**	W **.07391**	**.00968**
Stddev	.00069	.00049	.00224	.00638	.00131	.00024	.00096	.00030	.00094	.01087	.00032
%RSD	5.7945	3.7010	15.551	1.5415	1.2955	2.2765	7.0936	3.0600	5.8670	14.704	3.2884
#1	.01234	.01366	.01280	.41830	.10216	.01054	.01289	.00964	.01661	.06623	.00945
#2	.01137	.01296	.01596	.40928	.10031	.01021	.01425	.01007	.01528	.08160	.00990
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value		.01000								.06000	
Range		30.000%								20.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	W **.02455**	W **.01919**
Stddev	.00008	.00321
%RSD	.34106	16.719
#1	.02461	.01692
#2	.02449	.02146
Check ?	Chk Warn	Chk Warn
Value	.02000	.01500
Range	20.000%	20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3702.9**	**63419.**	**4456.5**
Stddev	4.7	54.	9.4
%RSD	.12764	.08516	.21127
#1	3699.6	63381.	4449.8
#2	3706.3	63458.	4463.1

Sample Name: 280-19465-c-18-b Acquired: 8/27/2011 1:13:48 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82955 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.04097**	**.00342**	**.10905**	**.71956**	**-.00003**	**-.00178**	**2.4353**	**-.00023**	**.00065**
Stddev	.00064	.00217	.00107	.00032	.00141	.00017	.00113	.0129	.00001	.00008
%RSD	115.97	5.3072	31.326	.29064	.19665	478.13	63.408	.53128	3.2367	12.728
#1	.00100	.04250	.00417	.10883	.72056	.00008	-.00098	2.4444	-.00023	.00071
#2	.00010	.03943	.00266	.10928	.71856	-.00015	-.00258	2.4261	-.00022	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00093**	**.00192**	**.84800**	**3.4933**	**.11508**	**.75457**	**.01315**	**.00518**	W **713.92**	**.00066**
Stddev	.00010	.00007	.00865	.0396	.00119	.00571	.00008	.00011	1.96	.00014
%RSD	10.267	3.7572	1.0198	1.1341	1.0301	.75607	.58539	2.1697	.27490	20.453
#1	.00100	.00187	.85412	3.4653	.11591	.75054	.01310	.00510	715.31	.00057
#2	.00087	.00197	.84189	3.5213	.11424	.75860	.01321	.00526	712.53	.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06428**	**-.00161**	**.22826**	**.00305**	**-.00159**	**6.9056**	**-.00090**	**.55371**	**-.00183**	**.00002**
Stddev	.00238	.00090	.00392	.00070	.00153	.0250	.00080	.00066	.00153	.00024
%RSD	3.7077	55.906	1.7182	22.884	96.020	.36216	88.405	.11970	83.820	1349.2
#1	.06260	-.00224	.22548	.00355	-.00051	6.9233	-.00147	.55418	-.00074	-.00015
#2	.06597	-.00097	.23103	.00256	-.00267	6.8879	-.00034	.55324	-.00291	.00019
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**.00530**	**-.00022**	**.00323**	**.00310**
Stddev	.00199	.02345	.00015	.00028	.00149
%RSD	209.11	442.23	69.506	8.6333	48.203
#1	-.00046	-.01128	-.00032	.00343	.00204
#2	.00236	.02188	-.00011	.00304	.00416
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3451.6**	**57375.**	**4400.6**
Stddev	5.5	171.	23.8
%RSD	.15903	.29769	.54039
#1	3455.5	57495.	4383.8
#2	3447.7	57254.	4417.4

Sample Name: 280-19465-c-19-b Acquired: 8/27/2011 1:17:18 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82955 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.03354**	**.00311**	**.15251**	**.76202**	**-.00002**	**.00029**	**3.0349**	**-.00051**	**.00063**
Stddev	.00009	.00020	.00108	.00006	.00043	.00003	.00128	.0110	.00010	.00018
%RSD	52.457	.58924	34.621	.04073	.05593	151.23	432.60	.36314	19.861	27.871
#1	.00022	.03368	.00235	.15247	.76232	-.00005	-.00061	3.0271	-.00058	.00051
#2	.00010	.03340	.00387	.15256	.76171	.00000	.00120	3.0427	-.00044	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.00166**	**.56298**	**3.6147**	**.11020**	**.71834**	**.01139**	**-.00027**	W **751.98**	**.00059**
Stddev	.00005	.00048	.00012	.0415	.00291	.00220	.00006	.00012	1.57	.00056
%RSD	6.3759	29.049	.02181	1.1484	2.6447	.30612	.53406	42.937	.20818	96.032
#1	.00069	.00200	.56289	3.5854	.11226	.71678	.01135	-.00035	753.08	.00019
#2	.00076	.00132	.56306	3.6441	.10814	.71989	.01144	-.00019	750.87	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03648**	**-.00196**	**.21883**	**.00177**	**-.00231**	**7.7671**	**-.00026**	**.61558**	**.00034**	**-.00024**
Stddev	.00002	.00026	.00221	.00088	.00032	.0254	.00076	.00167	.00085	.00018
%RSD	.04267	13.421	1.0088	49.331	13.893	.32752	299.42	.27161	250.66	74.856
#1	.03649	-.00215	.22039	.00239	-.00208	7.7491	-.00080	.61676	-.00026	-.00036
#2	.03646	-.00178	.21727	.00116	-.00254	7.7851	.00029	.61440	.00094	-.00011
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00223**	**.00674**	**.00021**	**.00243**	**.00329**
Stddev	.00063	.02272	.00008	.00055	.00123
%RSD	28.483	336.96	37.799	22.844	37.333
#1	.00178	-.00932	.00027	.00282	.00242
#2	.00268	.02281	.00015	.00204	.00416
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3422.0**	**57444.**	**4365.9**
Stddev	8.4	107.	17.6
%RSD	.24681	.18602	.40405
#1	3428.0	57368.	4378.3
#2	3416.1	57519.	4353.4

Sample Name: 280-19465-c-20-b Acquired: 8/27/2011 1:20:47 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82955 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00004	.04775	.00593	.13869	.46481	-.00014	-.00227	2.2871	-.00038	.00031
Stddev	.00005	.00491	.00029	.00042	.00032	.00013	.00786	.0080	.00013	.00010
%RSD	118.83	10.278	4.8798	.30097	.06804	92.675	346.27	.35151	34.244	33.067
#1	-.00007	.05122	.00613	.13898	.46504	-.00024	.00329	2.2928	-.00029	.00038
#2	-.00001	.04428	.00572	.13839	.46459	-.00005	-.00783	2.2814	-.00047	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00086	.00225	.65348	4.1469	.12651	.66591	.01031	.00025	W 704.97	.00060
Stddev	.00036	.00041	.00198	.0205	.00451	.00194	.00009	.00001	1.11	.00043
%RSD	41.922	18.189	.30325	.49540	3.5669	.29154	.82815	4.0467	.15749	72.350
#1	.00060	.00254	.65208	4.1614	.12332	.66729	.01037	.00025	705.76	.00029
#2	.00111	.00196	.65488	4.1324	.12970	.66454	.01024	.00026	704.19	.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02918	-.00091	.10685	.00018	-.00399	6.9091	-.00058	.64948	-.00189	.00037
Stddev	.00327	.00093	.00065	.00372	.00220	.0544	.00049	.00232	.00234	.00018
%RSD	11.212	101.86	.61054	2024.6	55.137	.78739	84.209	.35695	124.01	47.661
#1	.02687	-.00025	.10731	.00281	-.00555	6.9476	-.00023	.65112	-.00354	.00025
#2	.03149	-.00156	.10639	-.00244	-.00243	6.8707	-.00092	.64784	-.00023	.00049
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00187	.02175	-.00006	.00234	.00389
Stddev	.00085	.00699	.00004	.00005	.00119
%RSD	45.239	32.121	72.269	2.0623	30.499
#1	.00127	.02669	-.00009	.00238	.00473
#2	.00247	.01681	-.00003	.00231	.00305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3430.3	57191.	4317.9
Stddev	5.3	73.	14.0
%RSD	.15512	.12777	.32519
#1	3426.6	57242.	4307.9
#2	3434.1	57139.	4327.8

Sample Name: 280-19465-c-21-b Acquired: 8/27/2011 1:24:37 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82955 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.06658**	**.00348**	**.12899**	**.72791**	**-.00007**	**-.00140**	**2.6911**	**-.00023**	**.00049**
Stddev	.00023	.00099	.00095	.00016	.00081	.00002	.00298	.0032	.00009	.00001
%RSD	52.040	1.4872	27.345	.12069	.11173	30.412	212.68	.12056	37.825	1.5151
#1	.00028	.06728	.00415	.12888	.72848	-.00009	-.00351	2.6934	-.00017	.00048
#2	.00061	.06588	.00281	.12910	.72733	-.00006	.00071	2.6888	-.00029	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00120**	**.00164**	**.46768**	**3.8008**	**.09920**	**1.0509**	**.00841**	**-.00034**	W **781.87**	**.00160**
Stddev	.00002	.00029	.00115	.0024	.00008	.0015	.00007	.00031	.56	.00008
%RSD	1.8226	17.630	.24484	.06451	.08473	.14446	.86368	90.818	.07200	5.0964
#1	.00118	.00144	.46849	3.7991	.09926	1.0520	.00836	-.00056	782.26	.00155
#2	.00121	.00184	.46687	3.8025	.09914	1.0498	.00846	-.00012	781.47	.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03038**	**-.00052**	**.06051**	**-.00067**	**-.00486**	**6.9439**	**-.00108**	**.72434**	**-.00140**	**.00141**
Stddev	.00233	.00249	.00239	.00143	.00034	.0071	.00013	.00155	.00150	.00064
%RSD	7.6573	479.53	3.9435	212.61	6.9047	.10251	11.880	.21455	107.40	45.180
#1	.02873	-.00228	.05882	-.00168	-.00462	6.9388	-.00099	.72544	-.00034	.00096
#2	.03202	.00124	.06219	.00034	-.00509	6.9489	-.00117	.72324	-.00246	.00187
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00219**	**.06425**	**-.00005**	**.00210**	**.00259**
Stddev	.00002	.04754	.00014	.00039	.00315
%RSD	.89950	73.992	271.55	18.669	121.83
#1	.00218	.03064	-.00016	.00238	.00482
#2	.00221	.09787	.00005	.00182	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3416.3**	**56506.**	**4337.4**
Stddev	2.8	157.	13.7
%RSD	.08341	.27845	.31650
#1	3418.3	56395.	4347.2
#2	3414.3	56618.	4327.7

Sample Name: 280-19465-c-22-b Acquired: 8/27/2011 1:28:12 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82955 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.08980**	**.00573**	**.23370**	**.48955**	**-.00001**	**-.00450**	**3.2132**	**-.00057**	**.00042**
Stddev	.00045	.00364	.00031	.00068	.00013	.00009	.00001	.0097	.00003	.00026
%RSD	111.12	4.0539	5.4302	.29064	.02628	629.23	.15453	.30033	4.5256	62.302
#1	.00072	.09237	.00551	.23322	.48945	.00005	-.00450	3.2064	-.00055	.00060
#2	.00009	.08722	.00595	.23418	.48964	-.00007	-.00449	3.2200	-.00059	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00403**	**.00464**	**.85426**	**3.2128**	**.11727**	**.70045**	**.01842**	**-.00034**	W **739.38**	**.00187**
Stddev	.00010	.00024	.00589	.0018	.00115	.00067	.00001	.00046	1.40	.00009
%RSD	2.4258	5.2217	.68957	.05742	.98314	.09585	.04724	136.73	.18913	4.7022
#1	.00410	.00447	.85009	3.2115	.11808	.70093	.01842	-.00066	738.39	.00193
#2	.00396	.00481	.85842	3.2141	.11645	.69998	.01841	-.00001	740.37	.00181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03145**	**-.00088**	**.10465**	**-.00187**	**-.00139**	**8.3630**	**-.00056**	**.80550**	**-.00182**	**.00283**
Stddev	.00357	.00112	.00294	.00118	.00074	.0473	.00081	.00221	.00016	.00026
%RSD	11.363	126.61	2.8137	63.388	53.240	.56599	143.47	.27457	8.7080	9.1789
#1	.02892	-.00167	.10673	-.00103	-.00087	8.3295	-.00113	.80394	-.00193	.00302
#2	.03398	-.00009	.10257	-.00270	-.00191	8.3964	.00001	.80707	-.00171	.00265
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00245**	**.03108**	**-.00060**	**.01148**	**.00385**
Stddev	.00224	.00478	.00000	.00005	.00007
%RSD	91.670	15.366	.08795	.46991	1.8704
#1	.00404	.02770	-.00060	.01152	.00390
#2	.00086	.03445	-.00060	.01144	.00380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3420.8**	**56721.**	**4335.7**
Stddev	9.8	22.	8.9
%RSD	.28732	.03881	.20473
#1	3413.9	56706.	4342.0
#2	3427.8	56737.	4329.4

Sample Name: 280-19465-c-23-b Acquired: 8/27/2011 1:31:41 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82955 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00020	.02946	.00334	.30400	.54752	-.00009	-.00232	2.7877	-.00041	.00028
Stddev	.00021	.00045	.00204	.00125	.00082	.00011	.00020	.0104	.00016	.00029
%RSD	106.06	1.5341	61.222	.41222	.15062	118.20	8.4280	.37485	39.821	103.82
#1	.00005	.02914	.00189	.30312	.54811	-.00002	-.00218	2.7951	-.00052	.00048
#2	.00035	.02978	.00478	.30489	.54694	-.00017	-.00246	2.7803	-.00029	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00126	.00229	.79660	3.6258	.25116	.73934	.01622	-.00049	W 749.77	.00093
Stddev	.00010	.00019	.00215	.0489	.00657	.00128	.00009	.00001	1.65	.00011
%RSD	7.5824	8.0816	.26927	1.3499	2.6147	.17252	.54666	2.4075	.21943	11.893
#1	.00133	.00216	.79508	3.5912	.24651	.73844	.01628	-.00050	750.93	.00085
#2	.00120	.00242	.79812	3.6604	.25580	.74024	.01615	-.00048	748.60	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02516	-.00063	.13466	-.00174	-.00275	7.8461	-.00124	.72030	-.00091	.00029
Stddev	.00391	.00007	.00301	.00010	.00088	.0170	.00009	.00077	.00195	.00010
%RSD	15.525	11.401	2.2372	5.6855	32.040	.21629	7.0394	.10713	212.92	34.507
#1	.02792	-.00068	.13679	-.00167	-.00213	7.8341	-.00130	.72085	.00046	.00022
#2	.02239	-.00058	.13253	-.00181	-.00337	7.8581	-.00118	.71975	-.00229	.00036
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00187	.03019	-.00024	.00184	.00266
Stddev	.00119	.05775	.00050	.00071	.00024
%RSD	63.670	191.30	213.13	38.725	9.1718
#1	.00103	-.01065	-.00059	.00134	.00249
#2	.00271	.07102	.00012	.00235	.00283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3414.9	56577.	4316.9
Stddev	4.1	2.	3.5
%RSD	.12081	.00382	.08208
#1	3411.9	56576.	4314.4
#2	3417.8	56579.	4319.4

Sample Name: 280-19465-c-24-b Acquired: 8/27/2011 1:35:11 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82955 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.05805**	**.00419**	**.09196**	**.82471**	**.00001**	**-.00055**	**3.0420**	**-.00051**	**.00069**
Stddev	.00033	.00000	.00046	.00000	.00288	.00001	.00033	.0076	.00023	.00006
%RSD	171.32	.00564	11.085	.00329	.34888	134.74	60.790	.24896	45.649	8.4578
#1	-.00004	.05805	.00386	.09196	.82268	.00002	-.00031	3.0366	-.00068	.00074
#2	.00042	.05805	.00451	.09196	.82675	.00000	-.00078	3.0473	-.00035	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00111**	**.00156**	**1.0588**	**3.9287**	**.10881**	**.76676**	**.01713**	**-.00008**	W **695.99**	**.00072**
Stddev	.00013	.00021	.0008	.1030	.00114	.00225	.00003	.00014	1.28	.00004
%RSD	12.084	13.238	.07298	2.6219	1.0508	.29375	.15160	177.43	.18369	5.5071
#1	.00120	.00170	1.0594	3.8559	.10800	.76836	.01711	-.00018	695.09	.00075
#2	.00101	.00141	1.0583	4.0015	.10962	.76517	.01715	.00002	696.89	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03959**	**-.00218**	**.09406**	**.00074**	**-.00326**	**6.6120**	**-.00142**	**.59252**	**-.00166**	**.00162**
Stddev	.00118	.00182	.00349	.00353	.00187	.0405	.00099	.00106	.00105	.00012
%RSD	2.9741	83.444	3.7072	480.43	57.398	.61285	69.690	.17890	63.217	7.1006
#1	.03876	-.00090	.09159	.00323	-.00458	6.6406	-.00072	.59177	-.00240	.00170
#2	.04042	-.00347	.09652	-.00176	-.00193	6.5833	-.00213	.59327	-.00092	.00154
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00256**	**.01790**	**-.00045**	**.00184**	**.00161**
Stddev	.00021	.01567	.00004	.00076	.00025
%RSD	8.3534	87.580	8.9172	41.262	15.548
#1	.00241	.00681	-.00048	.00237	.00179
#2	.00271	.02898	-.00042	.00130	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3422.9**	**57054.**	**4325.9**
Stddev	2.8	87.	1.5
%RSD	.08184	.15202	.03421
#1	3420.9	56993.	4326.9
#2	3424.8	57115.	4324.8

Sample Name: 280-19465-c-25-b Acquired: 8/27/2011 1:38:41 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82955 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00008	.05740	.00671	.17643	.97851	.00002	-.00415	3.4568	-.00038	.00069
Stddev	.00053	.00087	.00004	.00089	.00135	.00010	.00101	.0109	.00008	.00004
%RSD	628.45	1.5238	.61639	.50483	.13749	398.80	24.452	.31389	21.062	5.3823
#1	.00029	.05802	.00673	.17706	.97947	.00009	-.00343	3.4491	-.00032	.00067
#2	-.00046	.05678	.00668	.17580	.97756	-.00004	-.00487	3.4645	-.00044	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00108	.00730	.63818	4.7339	.16666	.99136	.01274	.00015	W 838.39	.00115
Stddev	.00000	.00022	.00357	.0167	.00069	.00449	.00003	.00011	.56	.00013
%RSD	.10605	3.0156	.55975	.35281	.41679	.45255	.21913	74.691	.06705	11.594
#1	.00108	.00714	.64070	4.7457	.16617	.98819	.01276	.00023	838.78	.00124
#2	.00108	.00745	.63565	4.7221	.16715	.99453	.01272	.00007	837.99	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03241	.00232	.18056	.00145	-.00403	7.2800	.00014	.85621	-.00145	.00064
Stddev	.00527	.00116	.00633	.00232	.00189	.0001	.00031	.00097	.00260	.00010
%RSD	16.250	50.005	3.5057	160.01	46.940	.00163	218.24	.11354	178.68	14.943
#1	.02868	.00314	.18503	-.00019	-.00269	7.2801	-.00008	.85690	-.00329	.00071
#2	.03613	.00150	.17608	.00310	-.00537	7.2799	.00036	.85552	.00038	.00058
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00226	.05415	-.00054	.00463	.00392
Stddev	.00052	.00820	.00042	.00009	.00180
%RSD	23.236	15.135	76.748	1.8961	45.960
#1	.00189	.05995	-.00025	.00469	.00265
#2	.00263	.04836	-.00084	.00457	.00520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3403.0	56560.	4283.4
Stddev	2.1	49.	17.8
%RSD	.06295	.08681	.41478
#1	3401.5	56525.	4296.0
#2	3404.5	56594.	4270.8

Sample Name: 280-19465-c-26-b Acquired: 8/27/2011 1:42:09 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82955 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.03031**	**.00449**	**.10471**	**.54313**	**-.00007**	**-.00044**	**2.3996**	**-.00056**	**.00035**
Stddev	.00077	.00025	.00429	.00019	.00124	.00013	.00060	.0044	.00014	.00030
%RSD	149.37	.82765	95.431	.18599	.22819	186.15	136.26	.18153	25.405	85.848
#1	-.00003	.03049	.00146	.10485	.54226	.00002	-.00087	2.3965	-.00046	.00014
#2	.00106	.03013	.00753	.10458	.54401	-.00016	-.00002	2.4027	-.00066	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00172**	**.00240**	**.69037**	**3.7338**	**.08457**	**.66002**	**.01394**	**-.00033**	W **639.69**	**.00061**
Stddev	.00026	.00037	.00321	.0132	.00171	.00180	.00002	.00010	1.42	.00002
%RSD	15.006	15.342	.46459	.35271	2.0176	.27311	.15976	28.811	.22173	4.0024
#1	.00190	.00214	.68810	3.7431	.08578	.66129	.01396	-.00040	638.69	.00060
#2	.00153	.00267	.69263	3.7244	.08336	.65875	.01393	-.00026	640.70	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04506**	**-.00011**	**.09868**	**-.00108**	**-.00339**	**6.4166**	**-.00053**	**.52147**	**-.00097**	**.00103**
Stddev	.00158	.00081	.00227	.00149	.00351	.0302	.00091	.00006	.00211	.00130
%RSD	3.5095	718.82	2.2958	138.64	103.47	.47130	172.92	.01105	218.44	126.07
#1	.04618	.00046	.10029	-.00002	-.00091	6.4380	-.00117	.52143	-.00246	.00011
#2	.04394	-.00069	.09708	-.00213	-.00588	6.3952	.00012	.52151	.00053	.00195
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00361**	**.01053**	**.00022**	**.00240**	**.00447**
Stddev	.00027	.03663	.00012	.00016	.00567
%RSD	7.4043	347.82	54.709	6.5254	126.99
#1	.00342	.03643	.00014	.00251	.00848
#2	.00380	-.01537	.00031	.00229	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3441.1**	**57180.**	**4293.3**
Stddev	4.5	128.	15.0
%RSD	.13115	.22348	.34838
#1	3437.9	57090.	4303.9
#2	3444.3	57270.	4282.7

Sample Name: CCVH-940568 Acquired: 8/27/2011 1:45:37 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00690**	F **44.495**	k **.00366**	**.00161**	k **.00122**	k **-.00012**	k **.96314**	k **-.00332**	k **-.00164**	k **.00216**	k **.00047**
Stddev	.00023	.005	.00264	.00043	.00019	.00013	.00134	.00112	.00000	.00036	.00003
%RSD	3.3714	.01060	72.112	26.916	15.914	105.82	.13885	33.807	.13918	16.492	5.9977
#1	k -.00674	44.492	k .00179	.00192	k .00136	k -.00003	k .96220	k -.00252	k -.00164	k .00191	k .00048
#2	k -.00707	44.498	k .00553	.00130	k .00108	k -.00021	k .96409	k -.00411	k -.00164	k .00242	k .00045
Check ?	None	Chk Fail	None	None	None	None	Chk Pass	None	None	None	None
Value		50.000									
Range		-10.000%									

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01332**	kF **41.973**	**.37016**	k **.00404**	k **-.34772**	**-.00006**	**-.00290**	F **281.63**	**.00118**	**.00223**	k **.00572**
Stddev	.00036	.043	.01690	.00143	.00081	.00007	.00010	.47	.00035	.00079	.00089
%RSD	2.7346	.10134	4.5659	35.444	.23424	110.06	3.3540	.16712	29.745	35.456	15.608
#1	k .01358	k 42.003	.35821	k .00505	k -.34715	-.00001	-.00297	281.30	.00093	.00167	k .00509
#2	k .01306	k 41.943	.38211	k .00302	k -.34830	-.00011	-.00283	281.96	.00143	.00278	k .00635
Check ?	None	Chk Fail	None	None	None	None	None	Chk Fail	None	None	None
Value		50.000						250.00			
Range		-10.000%						10.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9283**	k **-.01999**	k **-.00905**	k **.01764**	k **.00122**	**.00032**	k **5.0798**	k **.03517**	k **-.00534**	k **10.280**	k **-.00791**
Stddev	.0119	.00122	.00181	.01071	.00041	.00011	.0048	.00002	.00053	.053	.00022
%RSD	.24161	6.0801	20.056	60.725	33.373	33.450	.09523	.06402	9.9112	.52038	2.7486
#1	4.9367	k -.01913	k -.00776	k .02522	k .00093	.00040	k 5.0764	k .03515	k -.00497	k 10.242	k -.00775
#2	4.9199	k -.02085	k -.01033	k .01007	k .00151	.00025	k 5.0832	k .03518	k -.00572	k 10.318	k -.00806
Check ?	None	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None
Value											
Range											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	k **.00354**	k **.34578**
Stddev	.00063	.00039
%RSD	17.843	.11337
#1	k .00310	k .34606
#2	k .00399	k .34550
Check ?	None	None
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3541.0**	**59470.**	**4373.9**
Stddev	.6	6.	8.1
%RSD	.01588	.01057	.18410
#1	3541.4	59466.	4379.6
#2	3540.6	59474.	4368.2

Sample Name: CCV-940591 Acquired: 8/27/2011 1:48:15 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50039**	**.50563**	**.99729**	**.49875**	**.51802**	**.45104**	**.00121**	F **4.4654**	**.50661**	**.48963**	**.48988**	**.50102**
Stddev	.00052	.01798	.00423	.00036	.00041	.00099	.00024	.0068	.00018	.00093	.00080	.00164
%RSD	.10332	3.5560	.42417	.07233	.07851	.21921	19.979	.15176	.03592	.18940	.16374	.32663
#1	.50002	.49291	1.0003	.49850	.51831	.45034	.00138	4.4607	.50674	.48897	.48932	.49986
#2	.50075	.51834	.99430	.49901	.51774	.45174	.00104	4.4702	.50648	.49029	.49045	.50218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								5.0000				
Range								-10.000%				

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.0606**	**52.729**	**1.0915**	**19.553**	**.49517**	**.49799**	F **6.2982**	**.49533**	**.95527**	**1.0026**	**.00449**	**.98969**
Stddev	.0035	.024	.0024	.002	.00043	.00051	.0240	.00046	.00035	.0004	.00259	.00127
%RSD	.17160	.04502	.21920	.01211	.08747	.10150	.38147	.09295	.03700	.04016	57.697	.12799
#1	2.0631	52.713	1.0898	19.554	.49486	.49835	6.3152	.49566	.95502	1.0029	.00632	.99059
#2	2.0581	52.746	1.0932	19.551	.49548	.49763	6.2812	.49501	.95552	1.0024	.00266	.98880
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value	2.5000						5.0000					
Range	-10.000%						10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98778**	F **4.2136**	**.98971**	**.50825**	**-.00024**	**.48071**	**.98031**	**.02301**	**.49845**	**.48850**	**.48628**
Stddev	.00004	.0224	.00077	.00045	.00077	.00002	.00091	.01082	.00037	.00021	.00543
%RSD	.00407	.53190	.07770	.08808	325.75	.00357	.09285	47.048	.07403	.04212	1.1161
#1	.98781	4.1977	.98916	.50793	-.00078	.48070	.97967	.01535	.49871	.48864	.48244
#2	.98775	4.2294	.99025	.50856	.00031	.48072	.98095	.03066	.49818	.48835	.49012
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		5.0000									
Range		-10.000%									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3601.8**	**61308.**	**4342.1**
Stddev	5.0	303.	4.9
%RSD	.13759	.49466	.11258
#1	3605.3	61093.	4345.6
#2	3598.3	61522.	4338.6

Sample Name: CCB Acquired: 8/27/2011 1:50:38 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	F **.07026**	W **.00633**	W **.00188**	W **.00066**	**-.00005**	**.00096**	**-.00136**	**.00001**	**.00075**	**.00035**
Stddev	.00008	.00050	.00153	.00007	.00041	.00003	.00114	.00060	.00029	.00010	.00031
%RSD	10.618	.70992	24.211	3.4887	63.068	61.602	118.74	44.346	2149.5	13.644	88.125
#1	.00085	.07062	.00525	.00193	.00036	-.00007	.00177	-.00093	-.00019	.00068	.00013
#2	.00073	.06991	.00742	.00184	.00095	-.00003	.00015	-.00178	.00022	.00082	.00056
Check ?	Chk Pass	Chk Fail	Chk Warn	Chk Warn	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.03600	.00440	.00156	.00058						
Low Limit		-.03600	-.00440	-.00156	-.00058						

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	F **.06437**	**.22132**	F **.00832**	**.00151**	**.00012**	**.00233**	F **1.1773**	**.00049**	**-.00267**	**-.00205**
Stddev	.00015	.00159	.02926	.00058	.00051	.00001	.00103	.0116	.00052	.00219	.00079
%RSD	47.963	2.4649	13.221	6.9825	33.766	6.9222	44.350	.98405	105.68	82.069	38.598
#1	.00020	.06325	.24200	.00873	.00187	.00012	.00160	1.1691	.00012	-.00112	-.00260
#2	.00041	.06549	.20063	.00791	.00115	.00011	.00306	1.1855	.00086	-.00422	-.00149
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.04400		.00522				.10000			
Low Limit		-.04400		-.00522				-.10000			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01136**	F **.01088**	**.00306**	**-.01773**	**.00056**	**.00001**	**.00644**	**.00016**	**.00059**	**-.00359**	**-.00044**
Stddev	.00022	.00367	.00322	.01258	.00113	.00007	.00003	.00000	.00098	.01071	.00039
%RSD	1.8959	33.708	105.30	70.962	203.86	540.47	.41039	2.2882	165.45	298.11	87.558
#1	.01121	.00829	.00078	-.00883	-.00025	.00007	.00645	.00016	-.00010	-.01116	-.00017
#2	.01151	.01347	.00534	-.02663	.00136	-.00004	.00642	.00016	.00128	.00398	-.00072
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00174**	W **.00282**
Stddev	.00026	.00033
%RSD	14.826	11.722
#1	.00156	.00305
#2	.00193	.00258
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3674.9**	**62654.**	**4392.3**
Stddev	3.7	101.	11.7
%RSD	.10044	.16041	.26532
#1	3672.3	62583.	4400.5
#2	3677.5	62725.	4384.1

Sample Name: CCVL946273 Acquired: 8/27/2011 1:53:16 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01053**	**.09888**	W **.01812**	**.10316**	**.01118**	**.00093**	**.11958**	**.17688**	**.00502**	**.01015**	**.01002**
Stddev	.00052	.00066	.00142	.00003	.00000	.00002	.00375	.00038	.00030	.00026	.00011
%RSD	4.9566	.66557	7.8163	.02660	.03238	1.7165	3.1332	.21713	5.9738	2.5329	1.1316
#1	.01090	.09934	.01712	.10315	.01118	.00092	.11693	.17660	.00523	.00997	.00994
#2	.01016	.09841	.01913	.10318	.01118	.00094	.12223	.17715	.00480	.01033	.01010
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500								
Range			20.000%								

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01569**	**.08386**	**3.3788**	F **.01684**	**.20408**	**.01029**	**.01951**	F **1.8006**	**.04090**	**2.8252**	**.00743**
Stddev	.00004	.00044	.0094	.00151	.00090	.00008	.00002	.0184	.00067	.0037	.00124
%RSD	.23193	.51940	.27912	8.9569	.44096	.82233	.12493	1.0243	1.6441	.13072	16.626
#1	.01571	.08416	3.3855	.01791	.20471	.01035	.01952	1.8136	.04138	2.8226	.00656
#2	.01566	.08355	3.3721	.01577	.20344	.01023	.01949	1.7875	.04043	2.8278	.00830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				.01000				1.0000			
Range				30.000%				30.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01352**	W **.01264**	**.01436**	**.41003**	**.10029**	**.01037**	**.01356**	**.00961**	**.01713**	**.06397**	**.00901**
Stddev	.00302	.00046	.00074	.02017	.00065	.00007	.00148	.00025	.00264	.02391	.00014
%RSD	22.351	3.6438	5.1596	4.9195	.64915	.67465	10.946	2.5801	15.398	37.386	1.5542
#1	.01138	.01297	.01489	.39577	.10075	.01032	.01461	.00979	.01900	.04706	.00910
#2	.01566	.01232	.01384	.42430	.09983	.01042	.01251	.00944	.01527	.08088	.00891
Check ?	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.01000									
Range		20.000%									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02213**	F **.01974**
Stddev	.00052	.00044
%RSD	2.3476	2.2501
#1	.02176	.01943
#2	.02250	.02006
Check ?	Chk Pass	Chk Fail
Value		.01500
Range		30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3673.2**	**62665.**	**4383.2**
Stddev	1.1	110.	17.5
%RSD	.02988	.17600	.39932
#1	3674.0	62587.	4395.5
#2	3672.4	62743.	4370.8

Sample Name: 280-19465-c-27-b Acquired: 8/27/2011 1:55:51 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82955 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00028	.09026	.00583	.09541	.58721	.00001	-.00181	2.3448	-.00035	.00055
Stddev	.00037	.00084	.00017	.00027	.00073	.00004	.00132	.0056	.00001	.00013
%RSD	131.71	.93334	2.8906	.28629	.12476	425.54	72.790	.23690	1.5138	23.177
#1	.00002	.08967	.00595	.09560	.58773	.00003	-.00088	2.3487	-.00034	.00046
#2	.00055	.09086	.00571	.09521	.58670	-.00002	-.00275	2.3409	-.00035	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00276	.00347	1.4774	3.2351	.06211	.68368	.03852	.00115	W 591.73	.00171
Stddev	.00029	.00010	.0030	.0045	.00135	.00307	.00013	.00023	1.25	.00023
%RSD	10.342	2.8450	.20237	.13769	2.1760	.44965	.32666	20.029	.21113	13.431
#1	.00256	.00340	1.4795	3.2320	.06307	.68150	.03861	.00098	592.62	.00155
#2	.00296	.00354	1.4753	3.2383	.06116	.68585	.03843	.00131	590.85	.00187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05635	-.00014	1.6794	-.00039	-.00227	6.4555	-.00045	.42026	-.00070	.00136
Stddev	.00146	.00204	.0020	.00315	.00032	.0084	.00018	.00064	.00000	.00028
%RSD	2.5875	1501.2	.12064	810.30	13.967	.13060	40.383	.15295	.41515	20.860
#1	.05532	.00130	1.6808	.00184	-.00249	6.4615	-.00058	.42071	-.00070	.00156
#2	.05739	-.00158	1.6780	-.00262	-.00204	6.4495	-.00032	.41980	-.00071	.00116
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00246	.00658	-.00049	.00247	.00489
Stddev	.00132	.02613	.00020	.00014	.00233
%RSD	53.658	396.94	40.748	5.7444	47.606
#1	.00340	-.01189	-.00063	.00257	.00325
#2	.00153	.02506	-.00035	.00237	.00654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3459.9	57536.	4341.7
Stddev	8.2	123.	5.6
%RSD	.23560	.21303	.12816
#1	3465.7	57450.	4337.8
#2	3454.2	57623.	4345.6

Sample Name: 280-19465-c-28-b Acquired: 8/27/2011 1:59:20 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82955 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.05821**	**.00597**	**.08338**	**.68100**	**.00004**	**-.00071**	**3.0656**	**-.00052**	**.00070**
Stddev	.00023	.00006	.00162	.00065	.00266	.00001	.00074	.0166	.00002	.00023
%RSD	42.621	.10314	27.122	.77692	.39071	39.966	103.60	.54086	3.4191	32.946
#1	.00038	.05816	.00712	.08384	.67912	.00003	-.00019	3.0539	-.00053	.00086
#2	.00071	.05825	.00483	.08293	.68288	.00005	-.00123	3.0773	-.00051	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00186**	**.00269**	**1.4233**	**3.5283**	**.07969**	**.72524**	**.02739**	**.00070**	W **581.70**	**.00109**
Stddev	.00009	.00008	.0107	.0164	.00473	.00156	.00005	.00024	2.59	.00003
%RSD	4.5984	2.8401	.74849	.46464	5.9381	.21579	.16777	33.995	.44559	2.8995
#1	.00180	.00264	1.4158	3.5167	.07635	.72413	.02736	.00053	579.87	.00107
#2	.00192	.00275	1.4308	3.5399	.08304	.72634	.02743	.00087	583.54	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05199**	**.00029**	**.29068**	**-.00119**	**.00196**	**6.7976**	**-.00120**	**.44412**	**.00104**	**.00075**
Stddev	.00258	.00208	.00219	.00039	.00539	.0065	.00060	.00213	.00024	.00012
%RSD	4.9711	724.39	.75339	32.665	275.23	.09485	49.884	.48046	22.745	15.788
#1	.05017	.00176	.28913	-.00146	.00576	6.7930	-.00163	.44261	.00121	.00084
#2	.05382	-.00118	.29222	-.00091	-.00185	6.8021	-.00078	.44563	.00087	.00067
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00148**	**-.00320**	**-.00120**	**.00204**	**.00302**
Stddev	.00157	.01287	.00056	.00067	.00275
%RSD	106.46	402.24	46.535	32.689	91.137
#1	.00036	.00590	-.00160	.00157	.00497
#2	.00259	-.01230	-.00081	.00251	.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3471.2**	**57795.**	**4341.0**
Stddev	4.3	38.	7.1
%RSD	.12321	.06597	.16243
#1	3468.2	57822.	4346.0
#2	3474.2	57768.	4336.0

Sample Name: 280-19465-c-29-b Acquired: 8/27/2011 2:02:50 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82955 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.17330**	**.00382**	**.33202**	**.61425**	**-.00005**	**-.00112**	**3.2927**	**-.00041**	**.00032**
Stddev	.00022	.00299	.00216	.00005	.00017	.00009	.00099	.0099	.00017	.00039
%RSD	40.076	1.7274	56.401	.01425	.02816	168.91	87.912	.30043	41.131	123.56
#1	.00039	.17542	.00230	.33205	.61412	-.00012	-.00182	3.2857	-.00053	.00004
#2	.00069	.17119	.00535	.33198	.61437	.00001	-.00042	3.2997	-.00029	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**.00220**	**.33807**	**3.7689**	**.24751**	**.82984**	**.01655**	**-.00073**	W **698.06**	**.00071**
Stddev	.00010	.00017	.00192	.0075	.00025	.00091	.00001	.00010	.71	.00003
%RSD	12.667	7.8876	.56851	.19871	.10265	.10928	.08106	13.285	.10119	3.9972
#1	.00086	.00233	.33943	3.7636	.24733	.83048	.01654	-.00080	697.56	.00073
#2	.00071	.00208	.33671	3.7742	.24769	.82920	.01656	-.00066	698.56	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03498**	**-.00093**	**.12688**	**.00087**	**.00083**	**7.0047**	**-.00103**	**.68449**	**-.00187**	**.00171**
Stddev	.00226	.00081	.00325	.00247	.00138	.0290	.00102	.00005	.00151	.00006
%RSD	6.4695	87.616	2.5650	283.42	166.27	.41444	98.657	.00798	80.858	3.7472
#1	.03338	-.00150	.12458	-.00087	-.00015	6.9842	-.00031	.68445	-.00294	.00167
#2	.03658	-.00035	.12919	.00261	.00181	7.0252	-.00175	.68453	-.00080	.00176
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00156**	**.02825**	**.00015**	**.00335**	**.00441**
Stddev	.00065	.04678	.00003	.00055	.00262
%RSD	41.655	165.58	17.280	16.479	59.435
#1	.00202	-.00483	.00016	.00296	.00626
#2	.00110	.06133	.00013	.00374	.00255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3460.0**	**57534.**	**4313.3**
Stddev	6.5	133.	4.9
%RSD	.18811	.23088	.11388
#1	3455.4	57440.	4316.7
#2	3464.6	57628.	4309.8

Sample Name: 280-19465-c-30-b Acquired: 8/27/2011 2:06:18 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82955 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.25545**	**.00339**	**.49737**	**.87234**	**.00008**	**.00017**	**5.0026**	**-.00031**	**.00094**
Stddev	.00123	.00221	.00163	.00076	.00114	.00007	.00246	.0172	.00008	.00028
%RSD	1818.2	.86458	48.205	.15192	.13083	80.524	1467.4	.34363	24.512	29.765
#1	-.00080	.25701	.00223	.49790	.87314	.00004	.00191	5.0148	-.00026	.00113
#2	.00094	.25389	.00454	.49683	.87153	.00013	-.00157	4.9905	-.00036	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00100**	**.00181**	**.51868**	**4.2883**	**.31657**	**1.5282**	**.00955**	**-.00045**	W **843.40**	**.00126**
Stddev	.00002	.00038	.00682	.0322	.00146	.0050	.00003	.00008	3.04	.00009
%RSD	1.6543	20.892	1.3147	.75009	.46180	.32626	.33386	18.613	.36020	6.9897
#1	.00099	.00154	.52350	4.2656	.31554	1.5317	.00957	-.00039	845.55	.00132
#2	.00101	.00208	.51386	4.3111	.31760	1.5247	.00953	-.00051	841.26	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03271**	**-.00084**	**.11959**	**-.00071**	**-.00443**	**6.3194**	**-.00046**	**1.1433**	**-.00179**	**.00531**
Stddev	.00204	.00412	.00569	.00016	.00051	.0117	.00005	.0037	.00172	.00066
%RSD	6.2277	493.23	4.7566	22.563	11.494	.18505	10.257	.32179	96.215	12.346
#1	.03127	-.00375	.11557	-.00060	-.00479	6.3111	-.00049	1.1459	-.00057	.00578
#2	.03415	.00208	.12362	-.00083	-.00407	6.3276	-.00042	1.1407	-.00301	.00485
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00174**	**-.01074**	**.00015**	**.00273**	**.00294**
Stddev	.00036	.01587	.00015	.00005	.00165
%RSD	20.717	147.82	100.40	1.8676	56.074
#1	.00200	-.02196	.00025	.00277	.00410
#2	.00149	.00049	.00004	.00270	.00177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3419.1**	**56783.**	**4306.2**
Stddev	10.1	238.	8.8
%RSD	.29632	.41940	.20464
#1	3412.0	56951.	4299.9
#2	3426.3	56614.	4312.4

Sample Name: 280-19465-c-31-b Acquired: 8/27/2011 2:09:47 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82955 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00032	.18036	.00383	.09679	.64976	-.00008	.00132	2.1873	-.00041	.00053
Stddev	.00024	.00017	.00491	.00030	.00096	.00001	.00191	.0141	.00011	.00001
%RSD	74.954	.09611	128.29	.30583	.14781	8.4580	144.96	.64640	26.748	1.5916
#1	-.00050	.18024	.00036	.09700	.64908	-.00007	.00266	2.1773	-.00048	.00053
#2	-.00015	.18049	.00730	.09658	.65044	-.00008	-.00003	2.1973	-.00033	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00101	.00138	.34202	2.8867	.11871	.50414	.00657	-.00023	W 563.36	.00208
Stddev	.00003	.00018	.00800	.0024	.00171	.00083	.00002	.00035	.87	.00023
%RSD	3.3019	13.083	2.3399	.08150	1.4365	.16505	.22946	152.44	.15434	11.102
#1	.00099	.00151	.33636	2.8884	.11992	.50355	.00658	-.00048	562.74	.00192
#2	.00104	.00125	.34768	2.8850	.11751	.50473	.00656	.00002	563.97	.00224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03796	-.00177	.09011	.00068	-.00216	5.2336	-.00062	.37852	-.00288	.00383
Stddev	.00055	.00068	.00818	.00013	.00030	.0357	.00002	.00018	.00132	.00052
%RSD	1.4434	38.610	9.0807	18.966	13.691	.68218	2.6271	.04645	45.923	13.637
#1	.03757	-.00128	.09590	.00059	-.00237	5.2083	-.00063	.37864	-.00382	.00346
#2	.03835	-.00225	.08433	.00077	-.00195	5.2588	-.00061	.37839	-.00195	.00420
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00221	.04847	-.00002	.00374	.00466
Stddev	.00053	.01541	.00032	.00004	.00066
%RSD	24.071	31.797	1582.0	1.0242	14.066
#1	.00184	.03757	.00020	.00372	.00512
#2	.00259	.05937	-.00024	.00377	.00420
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3462.2	58377.	4327.7
Stddev	9.7	49.	23.2
%RSD	.27904	.08328	.53587
#1	3469.0	58343.	4344.1
#2	3455.4	58411.	4311.3

Sample Name: 280-19465-c-32-b Acquired: 8/27/2011 2:13:17 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82955 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.03618**	**.00493**	**.04337**	**.75373**	**-.00002**	**-.00229**	**2.0274**	**-.00025**	**.00040**
Stddev	.00130	.00183	.00266	.00110	.00225	.00007	.00056	.0057	.00040	.00004
%RSD	1220.6	5.0575	53.876	2.5451	.29895	395.67	24.275	.27910	159.14	9.8728
#1	-.00082	.03747	.00305	.04415	.75214	-.00007	-.00190	2.0234	-.00053	.00043
#2	.00103	.03488	.00681	.04259	.75533	.00003	-.00269	2.0314	.00003	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00164**	**.18389**	**3.0828**	**.13745**	**.36937**	**.00679**	**-.00008**	W **530.73**	**.00058**
Stddev	.00005	.00019	.00093	.0101	.00301	.00023	.00013	.00038	1.99	.00039
%RSD	13.897	11.607	.50709	.32814	2.1908	.06264	1.9243	484.79	.37493	67.776
#1	.00035	.00178	.18454	3.0757	.13958	.36921	.00669	.00019	529.33	.00030
#2	.00043	.00151	.18323	3.0900	.13532	.36953	.00688	-.00034	532.14	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03235**	**-.00107**	**.10553**	**-.00049**	**-.00191**	**5.0758**	**-.00028**	**.38294**	**-.00036**	**.00041**
Stddev	.00068	.00074	.00056	.00154	.00292	.0289	.00068	.00071	.00064	.00003
%RSD	2.1158	69.199	.52955	312.59	153.02	.56971	239.69	.18419	179.04	7.7030
#1	.03187	-.00054	.10592	.00060	-.00397	5.0963	-.00076	.38244	-.00080	.00039
#2	.03284	-.00159	.10513	-.00158	.00016	5.0554	.00020	.38344	.00009	.00044
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00138**	**.02350**	**-.00092**	**.00220**	**.00509**
Stddev	.00085	.02910	.00019	.00003	.00019
%RSD	62.122	123.84	20.932	1.5717	3.8222
#1	.00077	.04408	-.00106	.00217	.00523
#2	.00198	.00292	-.00079	.00222	.00495
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3465.7**	**58070.**	**4284.7**
Stddev	.2	150.	.2
%RSD	.00487	.25815	.00520
#1	3465.8	58176.	4284.9
#2	3465.6	57964.	4284.6

Sample Name: 280-19465-c-32-c ms Acquired: 8/27/2011 2:16:47 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82955 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04829**	**1.7865**	**1.0378**	**1.0259**	**2.8420**	**.04574**	**2.2683**	**46.582**	**.10697**	**.47945**
Stddev	.00021	.0100	.0006	.0013	.0019	.00005	.0072	.019	.00047	.00026
%RSD	.43810	.56005	.06115	.12539	.06855	.11769	.31613	.04109	.43927	.05422
#1	.04814	1.7936	1.0374	1.0250	2.8434	.04577	2.2632	46.596	.10730	.47964
#2	.04844	1.7794	1.0383	1.0269	2.8406	.04570	2.2734	46.569	.10663	.47927
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19712**	**.25194**	**1.0058**	**59.297**	**1.2439**	**48.273**	**.50285**	**1.0192**	W **577.62**	**.48676**
Stddev	.00030	.00048	.0037	.005	.0039	.052	.00048	.0020	.40	.00056
%RSD	.15212	.18860	.37005	.00787	.31103	.10677	.09605	.19672	.06957	.11501
#1	.19690	.25228	1.0085	59.300	1.2466	48.310	.50319	1.0206	577.91	.48637
#2	.19733	.25161	1.0032	59.293	1.2411	48.237	.50250	1.0178	577.34	.48716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.074**	**.48962**	**.04919**	**.51201**	**2.0259**	**13.525**	**1.9655**	**1.4120**	**.97363**	**.99259**
Stddev	.020	.00002	.00943	.00055	.0043	.046	.0013	.0005	.00913	.00045
%RSD	.19455	.00437	19.175	.10693	.21345	.33903	.06832	.03567	.93782	.04572
#1	10.088	.48963	.04252	.51240	2.0289	13.492	1.9664	1.4123	.98009	.99226
#2	10.060	.48960	.05586	.51163	2.0228	13.557	1.9645	1.4116	.96718	.99291
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8221**	**2.1067**	**.51052**	**.49801**	**.50658**
Stddev	.0026	.0296	.00008	.00065	.00072
%RSD	.14502	1.4073	.01653	.12954	.14132
#1	1.8203	2.0857	.51058	.49847	.50709
#2	1.8240	2.1276	.51046	.49755	.50608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3454.3**	**58294.**	**4338.8**
Stddev	3.7	52.	15.3
%RSD	.10568	.08920	.35211
#1	3456.9	58331.	4349.6
#2	3451.7	58257.	4328.0

Sample Name: 280-19465-c-32-d msd Acquired: 8/27/2011 2:20:02 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82955 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04972**	**1.8078**	**1.0456**	**1.0336**	**2.8738**	**.04634**	**2.2934**	**46.910**	**.10821**	**.48647**
Stddev	.00033	.0141	.0031	.0031	.0010	.00002	.0033	.054	.00038	.00008
%RSD	.66466	.77720	.29445	.29474	.03507	.04386	.14292	.11553	.35283	.01629
#1	.04948	1.8178	1.0434	1.0315	2.8745	.04633	2.2911	46.948	.10794	.48641
#2	.04995	1.7979	1.0478	1.0358	2.8731	.04635	2.2957	46.872	.10848	.48653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19933**	**.25507**	**1.0008**	**59.747**	**1.2687**	**48.926**	**.50899**	**1.0270**	W **582.72**	**.49118**
Stddev	.00013	.00042	.0055	.061	.0032	.022	.00057	.0019	.63	.00029
%RSD	.06699	.16295	.55171	.10140	.25217	.04505	.11171	.18102	.10854	.05870
#1	.19924	.25536	1.0047	59.790	1.2664	48.941	.50939	1.0283	583.17	.49139
#2	.19943	.25478	.99692	59.705	1.2710	48.910	.50859	1.0256	582.27	.49098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.206**	**.49432**	**.05103**	**.51450**	**2.0405**	**13.648**	**1.9725**	**1.4284**	**.98676**	**1.0040**
Stddev	.013	.00009	.00156	.00299	.0022	.006	.0028	.0004	.00007	.0002
%RSD	.12763	.01919	3.0612	.58104	.10703	.04670	.14189	.03118	.00726	.02102
#1	10.216	.49438	.05214	.51239	2.0421	13.643	1.9705	1.4287	.98671	1.0042
#2	10.197	.49425	.04993	.51661	2.0390	13.652	1.9745	1.4281	.98681	1.0039
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8427**	**2.1094**	**.51833**	**.50598**	**.51085**
Stddev	.0032	.0123	.00117	.00062	.00457
%RSD	.17576	.58171	.22506	.12330	.89412
#1	1.8450	2.1007	.51916	.50642	.51408
#2	1.8404	2.1180	.51751	.50554	.50762
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3436.9**	**57531.**	**4343.4**
Stddev	5.9	163.	11.5
%RSD	.17057	.28262	.26361
#1	3441.1	57646.	4351.5
#2	3432.8	57416.	4335.3

Sample Name: 280-19465-c-33-d Acquired: 8/27/2011 2:23:18 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82955 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.87715**	**.00568**	**.66576**	**.99123**	**.00004**	**-.00118**	**3.9827**	**-.00037**	**.00071**
Stddev	.00005	.01009	.00211	.00038	.00062	.00001	.00306	.0039	.00028	.00022
%RSD	32.300	1.1499	37.174	.05686	.06303	23.881	258.54	.09758	75.662	31.283
#1	.00019	.88428	.00419	.66550	.99167	.00005	.00098	3.9799	-.00057	.00055
#2	.00012	.87002	.00718	.66603	.99079	.00004	-.00335	3.9854	-.00017	.00087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00126**	**.00321**	**.74249**	**4.7790**	**.31566**	**1.0474**	**.03660**	**.00152**	W **782.15**	**.00094**
Stddev	.00015	.00037	.00199	.0543	.00364	.0061	.00009	.00090	.98	.00004
%RSD	12.290	11.458	.26747	1.1370	1.1528	.58152	.23571	58.949	.12525	4.4954
#1	.00136	.00347	.74389	4.7406	.31309	1.0430	.03654	.00089	782.84	.00091
#2	.00115	.00295	.74108	4.8174	.31823	1.0517	.03666	.00215	781.46	.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06523**	**-.00161**	**.14282**	**-.00033**	**-.00090**	**8.3141**	**-.00076**	**.81874**	**-.00092**	**.01494**
Stddev	.00101	.00021	.00040	.00221	.00202	.0309	.00033	.00059	.00103	.00002
%RSD	1.5559	13.201	.27961	661.84	223.74	.37206	43.580	.07205	112.88	.15863
#1	.06452	-.00176	.14254	-.00189	-.00233	8.2922	-.00053	.81916	-.00165	.01492
#2	.06595	-.00146	.14311	.00123	.00052	8.3360	-.00099	.81832	-.00018	.01495
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00278**	**.03427**	**.00196**	**.00521**	**.00270**
Stddev	.00057	.01958	.00036	.00021	.00103
%RSD	20.434	57.142	18.565	3.9586	38.145
#1	.00238	.04811	.00221	.00507	.00197
#2	.00318	.02042	.00170	.00536	.00342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3459.3**	**57436.**	**4370.6**
Stddev	2.5	159.	19.8
%RSD	.07343	.27757	.45190
#1	3457.5	57549.	4356.7
#2	3461.1	57324.	4384.6

Sample Name: CCVH-940568 Acquired: 8/27/2011 2:26:46 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00650**	F **44.233**	k **-.00060**	**.00453**	k **.00116**	k **-.00011**	k **.96426**	k **.00306**	k **-.00169**	k **.00193**	k **.00051**
Stddev	.00017	.066	.00275	.00029	.00010	.00002	.00505	.00296	.00012	.00038	.00000
%RSD	2.5900	.14884	457.95	6.3169	8.8837	20.582	.52347	96.602	7.1707	19.893	.13628
#1	k -.00638	44.279	k .00134	.00473	k .00124	k -.00010	k .96783	k .00516	k -.00177	k .00220	k .00051
#2	k -.00662	44.186	k -.00255	.00433	k .00109	k -.00013	k .96069	k .00097	k -.00160	k .00166	k .00051
Check ?	None	Chk Fail	None	None	None	None	Chk Pass	None	None	None	None
Value		50.000									
Range		-10.000%									

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01330**	kF **41.340**	**.40652**	k **.00334**	k **-.34702**	**.00034**	**-.00234**	F **284.65**	**.00131**	**.00387**	k **.00566**
Stddev	.00031	.379	.06011	.00128	.00191	.00002	.00035	2.87	.00013	.00135	.00111
%RSD	2.3172	.91742	14.787	38.227	.55154	5.2898	14.851	1.0096	9.8723	34.964	19.618
#1	k .01352	k 41.608	.36402	k .00425	k -.34567	.00033	-.00259	286.68	.00140	.00291	k .00488
#2	k .01309	k 41.072	.44903	k .00244	k -.34837	.00035	-.00209	282.62	.00122	.00483	k .00645
Check ?	None	Chk Fail	None	None	None	None	None	Chk Fail	None	None	None
Value		50.000						250.00			
Range		-10.000%						10.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9149**	k **-.02033**	k **-.01169**	k **.00747**	k **.00222**	**.00047**	k **5.0528**	k **.03515**	k **-.00287**	k **10.217**	k **-.00779**
Stddev	.0344	.00065	.00208	.00187	.00079	.00003	.0000	.00000	.00135	.057	.00028
%RSD	.70027	3.2090	17.757	24.964	35.712	6.2963	.00067	.00044	47.197	.55670	3.5988
#1	4.9392	k -.01986	k -.01022	k .00615	k .00166	.00049	k 5.0528	k .03515	k -.00191	k 10.177	k -.00759
#2	4.8906	k -.02079	k -.01316	k .00879	k .00278	.00045	k 5.0528	k .03515	k -.00382	k 10.257	k -.00799
Check ?	None	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None
Value											
Range											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	k **.00378**	k **.35078**
Stddev	.00021	.00111
%RSD	5.4443	.31746
#1	k .00392	k .35157
#2	k .00363	k .34999
Check ?	None	None
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3561.8**	**60377.**	**4349.5**
Stddev	9.7	119.	24.6
%RSD	.27300	.19667	.56655
#1	3554.9	60293.	4332.1
#2	3568.6	60461.	4366.9

Sample Name: CCV-940591 Acquired: 8/27/2011 2:29:18 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50803**	**.50014**	**1.0125**	**.50872**	**.52406**	**.45339**	**.00105**	F **4.4778**	**.51385**	**.49271**	**.49505**	**.50897**
Stddev	.00040	.01598	.0012	.00005	.00310	.00194	.00121	.0165	.00087	.00026	.00108	.00090
%RSD	.07835	3.1954	.11333	.00975	.59084	.42747	115.46	.36786	.16886	.05231	.21725	.17732
#1	.50831	.48884	1.0117	.50869	.52625	.45476	.00019	4.4895	.51324	.49289	.49581	.50961
#2	.50775	.51144	1.0133	.50876	.52187	.45201	.00190	4.4662	.51446	.49253	.49429	.50833
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								5.0000				
Range								-10.000%				

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.0593**	**53.374**	F **1.1121**	**19.806**	**.50275**	**.50717**	F **6.4762**	**.50144**	**.96232**	**1.0138**	**.00679**	**1.0054**
Stddev	.0068	.320	.0052	.009	.00047	.00097	.0554	.00060	.00435	.0008	.00158	.0056
%RSD	.33219	.59877	.46576	.04447	.09430	.19213	.85524	.12005	.45155	.08316	23.288	.55213
#1	2.0545	53.600	1.1158	19.799	.50241	.50786	6.5154	.50187	.96539	1.0132	.00790	1.0093
#2	2.0641	53.148	1.1085	19.812	.50308	.50648	6.4370	.50102	.95924	1.0144	.00567	1.0015
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value	2.5000		1.0000				5.0000					
Range	-10.000%		10.000%				10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0028**	F **4.2432**	**1.0050**	**.51482**	**-.00071**	**.48638**	**.98579**	**.01934**	**.50681**	**.49278**	**.49183**
Stddev	.0024	.0213	.0021	.00237	.00012	.00080	.00034	.00021	.00092	.00175	.00463
%RSD	.23478	.50248	.20634	.46108	16.803	.16425	.03469	1.1093	.18070	.35443	.94180
#1	1.0044	4.2281	1.0065	.51650	-.00062	.48581	.98555	.01919	.50745	.49402	.49511
#2	1.0011	4.2583	1.0036	.51314	-.00079	.48694	.98603	.01949	.50616	.49155	.48855
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		5.0000									
Range		-10.000%									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3629.4**	**61656.**	**4365.3**
Stddev	4.0	12.	30.6
%RSD	.11122	.02022	.70061
#1	3626.5	61665.	4343.7
#2	3632.2	61647.	4386.9

Sample Name: CCB Acquired: 8/27/2011 2:31:43 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00175**	W **.00838**	W **.00234**	**.00039**	**-.00001**	**-.00279**	**.00018**	**-.00035**	**.00017**	**.00052**
Stddev	.00015	.00253	.00254	.00027	.00002	.00000	.00205	.00003	.00020	.00007	.00049
%RSD	38.858	144.71	30.301	11.682	5.5623	10.511	73.472	16.298	57.119	40.244	93.250
#1	.00048	-.00004	.00659	.00214	.00038	-.00001	-.00423	.00020	-.00049	.00012	.00018
#2	.00027	.00354	.01018	.00253	.00041	-.00001	-.00134	.00016	-.00021	.00021	.00087
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00440	.00156							
Low Limit			-.00440	-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**-.00056**	**.22424**	W **.00265**	**.00625**	**.00003**	**.00247**	F **.83674**	**.00041**	**.00099**	**-.00009**
Stddev	.00000	.00137	.00734	.00099	.00084	.00004	.00126	.01314	.00065	.00016	.00144
%RSD	.25388	244.28	3.2712	37.261	13.415	123.82	51.124	1.5710	157.46	16.318	1593.2
#1	-.00036	-.00153	.21906	.00335	.00684	.00000	.00158	.82745	-.00005	.00110	.00093
#2	-.00036	.00041	.22943	.00195	.00566	.00005	.00337	.84604	.00087	.00087	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.10000			
Low Limit				-.00261				-.10000			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00808**	F **.00910**	**.00237**	**-.00728**	**.00058**	**-.00001**	**-.00161**	**-.00003**	**.00042**	**.01249**	**-.00052**
Stddev	.00113	.00150	.00335	.00289	.00139	.00017	.00073	.00002	.00034	.02119	.00034
%RSD	13.932	16.476	141.49	39.748	238.29	1186.5	45.649	57.256	81.196	169.70	64.507
#1	.00729	.00804	.00000	-.00523	-.00040	-.00013	-.00213	-.00002	.00018	-.00250	-.00028
#2	.00888	.01016	.00474	-.00933	.00156	.00010	-.00109	-.00004	.00067	.02747	-.00076
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00152**	W **.00395**
Stddev	.00016	.00229
%RSD	10.452	58.086
#1	.00163	.00557
#2	.00141	.00233
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3679.2**	**63331.**	**4332.4**
Stddev	5.0	89.	15.1
%RSD	.13705	.14080	.34744
#1	3675.6	63395.	4321.8
#2	3682.8	63268.	4343.1

Sample Name: CCVL946273 Acquired: 8/27/2011 2:34:21 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01046**	**.09881**	**.01713**	**.10569**	**.01147**	W **.00079**	W **.12106**	**.17829**	**.00500**	**.01022**	**.01016**
Stddev	.00006	.00387	.00159	.00044	.00029	.00002	.00131	.00254	.00013	.00002	.00012
%RSD	.55286	3.9193	9.2617	.41942	2.5037	3.0473	1.0791	1.4267	2.5781	.24106	1.2147
#1	.01042	.10155	.01601	.10600	.01167	.00081	.12014	.18009	.00491	.01020	.01007
#2	.01050	.09608	.01825	.10537	.01127	.00077	.12199	.17649	.00509	.01023	.01025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						.00100	.10000				
Range						-20.000%	20.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01558**	W **.07962**	**3.3847**	F **.01486**	**.20574**	**.01029**	**.01960**	F **1.8576**	**.04181**	**2.8111**	**.00857**
Stddev	.00013	.00274	.0275	.00207	.00036	.00004	.00032	.0086	.00025	.0022	.00065
%RSD	.83788	3.4357	.81356	13.957	.17465	.42062	1.6539	.46488	.59538	.07723	7.6015
#1	.01568	.07768	3.3653	.01632	.20548	.01032	.01937	1.8637	.04199	2.8095	.00903
#2	.01549	.08155	3.4042	.01339	.20599	.01026	.01983	1.8515	.04164	2.8126	.00811
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value		.10000		.01000				1.0000			
Range		-20.000%		30.000%				30.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01081**	F **.01330**	W **.01089**	**.43429**	**.10108**	**.01034**	**.01255**	**.00946**	**.01572**	F **.10435**	**.00938**
Stddev	.00008	.00012	.00175	.00525	.00035	.00005	.00151	.00013	.00158	.01423	.00034
%RSD	.78307	.91798	16.091	1.2087	.34435	.52977	12.008	1.4034	10.064	13.641	3.5770
#1	.01087	.01321	.00965	.43058	.10083	.01030	.01149	.00936	.01460	.09429	.00962
#2	.01075	.01338	.01212	.43800	.10133	.01038	.01362	.00955	.01684	.11442	.00915
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value		.01000	.01500							.06000	
Range		30.000%	-20.000%							30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02168**	**.01683**
Stddev	.00029	.00170
%RSD	1.3209	10.116
#1	.02148	.01563
#2	.02189	.01804
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3672.3**	**63320.**	**4342.0**
Stddev	.1	32.	6.5
%RSD	.00174	.05095	.15063
#1	3672.2	63343.	4337.4
#2	3672.3	63297.	4346.6

Sample Name: mb 280-82959/1-a Acquired: 8/27/2011 2:36:56 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82959 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00063	.00088	.00262	.00199	.00036	.00001	-.00240	.00081	-.00024	.00012
Stddev	.00005	.00105	.00049	.00033	.00037	.00004	.00227	.00007	.00006	.00004
%RSD	8.2584	119.62	18.751	16.713	103.97	307.15	94.519	8.2079	25.476	34.806
#1	.00067	.00162	.00227	.00176	.00062	.00004	-.00080	.00086	-.00020	.00015
#2	.00059	.00014	.00297	.00223	.00009	-.00001	-.00401	.00077	-.00029	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00019	-.00044	.00223	.22658	W .00506	.00255	.00017	-.00025	W .65252	.00050
Stddev	.00006	.00014	.00356	.01482	.00035	.00227	.00005	.00023	.00543	.00008
%RSD	28.876	30.967	159.58	6.5427	7.0143	88.990	28.586	95.347	.83239	16.293
#1	.00015	-.00035	.00475	.21610	.00480	.00416	.00013	-.00041	.65636	.00045
#2	.00023	-.00054	-.00029	.23707	.00531	.00095	.00020	-.00008	.64868	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00500				.50000	
Low Limit					-.00500				-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	-.00118	.01152	-.00064	W -.00596	-.00978	.00005	.00001	-.00147	-.00026
Stddev	.00129	.00109	.00047	.00073	.00131	.01101	.00011	.00006	.00104	.00002
%RSD	11811.	92.310	4.1024	115.24	22.063	112.56	216.76	859.81	70.923	7.0406
#1	-.00093	-.00041	.01185	-.00012	-.00689	-.00200	-.00003	.00005	-.00220	-.00025
#2	.00090	-.00195	.01118	-.00115	-.00503	-.01756	.00013	-.00004	-.00073	-.00027
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00500					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00001	-.01813	-.00045	.00180	.00327
Stddev	.00043	.01271	.00015	.00008	.00362
%RSD	5912.3	70.112	34.409	4.3820	110.84
#1	-.00029	-.02712	-.00034	.00175	.00583
#2	.00031	-.00914	-.00056	.00186	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3729.2	64197.	4389.4
Stddev	5.0	1.	10.5
%RSD	.13345	.00093	.23864
#1	3725.7	64196.	4396.8
#2	3732.7	64197.	4382.0

Sample Name: lcs 280-82959/2-a Acquired: 8/27/2011 2:39:34 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82959 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04756**	**1.8099**	**1.0208**	**1.0160**	**2.1001**	**.04571**	F **2.3172**	F **44.327**	**.10722**	**.48363**
Stddev	.00020	.0040	.0032	.0015	.0022	.00004	.0017	.097	.00005	.00011
%RSD	.41517	.22100	.31204	.14675	.10462	.08801	.07275	.21973	.04964	.02240
#1	.04742	1.8128	1.0186	1.0150	2.1017	.04574	2.3184	44.396	.10718	.48355
#2	.04770	1.8071	1.0231	1.0171	2.0986	.04568	2.3161	44.258	.10726	.48371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit							2.2000	55.000		
Low Limit							1.8000	44.500		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19780**	**.25158**	F **.83000**	**54.484**	**1.1053**	**49.051**	**.49710**	**1.0198**	F **59.056**	**.49009**
Stddev	.00016	.00044	.00234	.080	.0042	.073	.00050	.0035	.225	.00009
%RSD	.07839	.17491	.28143	.14633	.38231	.14925	.09967	.34043	.38098	.01842
#1	.19791	.25127	.83166	54.540	1.1083	49.103	.49745	1.0222	59.215	.49003
#2	.19769	.25189	.82835	54.427	1.1023	48.999	.49675	1.0173	58.897	.49016
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			1.1400						56.000	
Low Limit			.88000						45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8674**	**.49799**	**.00548**	**.52308**	**2.0524**	F **8.4353**	**1.9938**	**1.0338**	**.96353**	**.98590**
Stddev	.0008	.00055	.00301	.00046	.0026	.0077	.0017	.0017	.00012	.00003
%RSD	.00819	.11039	54.896	.08749	.12843	.09169	.08603	.16000	.01213	.00317
#1	9.8668	.49760	.00336	.52340	2.0542	8.4298	1.9926	1.0350	.96362	.98587
#2	9.8680	.49838	.00761	.52275	2.0505	8.4407	1.9950	1.0326	.96345	.98592
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500				
Low Limit						9.4000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9482**	**2.1384**	**.50443**	**.48888**	**.51143**
Stddev	.0005	.0123	.00109	.00189	.00189
%RSD	.02601	.57707	.21675	.38733	.37027
#1	1.9485	2.1296	.50520	.49022	.51277
#2	1.9478	2.1471	.50366	.48754	.51009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3589.4**	**61110.**	**4401.4**
Stddev	.6	2.	5.0
%RSD	.01748	.00397	.11470
#1	3589.0	61109.	4397.8
#2	3589.9	61112.	4405.0

Sample Name: 280-19447-f-1-a Acquired: 8/27/2011 2:41:58 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82959 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.02001**	**.10482**	**6.8648**	**.28876**	**-.00011**	**.00262**	**75.735**	**-.00011**	**.01438**
Stddev	.00024	.00175	.00185	.0053	.00000	.00002	.00631	.109	.00021	.00065
%RSD	39.888	8.7489	1.7606	.07723	.00056	21.662	241.17	.14443	199.48	4.5160
#1	.00042	.01877	.10351	6.8685	.28876	-.00012	-.00185	75.813	-.00026	.01392
#2	.00076	.02125	.10612	6.8610	.28876	-.00009	.00708	75.658	.00004	.01484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06011**	**.00574**	**.52026**	W **290.96**	**.02574**	**124.23**	**.86165**	**.01026**	W **999.83**	**.05715**
Stddev	.00036	.00017	.00286	.84	.00099	.12	.00074	.00269	.46	.00044
%RSD	.59899	3.0139	.55013	.28945	3.8347	.09757	.08597	26.242	.04568	.76692
#1	.05986	.00562	.52229	291.56	.02504	124.14	.86112	.00836	1000.2	.05684
#2	.06037	.00586	.51824	290.37	.02644	124.31	.86217	.01217	999.51	.05746
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0107**	**-.00061**	**19.395**	**.01006**	**.00908**	**13.798**	**.00553**	**1.2097**	**-.00192**	**.05783**
Stddev	.0148	.00365	.010	.00124	.00156	.054	.00273	.0006	.00053	.00017
%RSD	.73819	601.88	.05276	12.360	17.145	.39277	49.397	.04758	27.599	.29251
#1	2.0002	-.00319	19.402	.01094	.00798	13.836	.00360	1.2093	-.00229	.05795
#2	2.0212	.00197	19.387	.00918	.01018	13.759	.00746	1.2101	-.00154	.05771
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00564**	**-.01119**	**.04467**	**.04186**	**.03456**
Stddev	.00370	.01309	.00051	.00006	.00240
%RSD	65.606	117.02	1.1330	.14316	6.9441
#1	.00302	-.00193	.04431	.04182	.03286
#2	.00825	-.02045	.04503	.04191	.03626
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3423.8**	**56741.**	**4451.6**
Stddev	.3	17.	24.1
%RSD	.00917	.02918	.54214
#1	3423.5	56753.	4434.5
#2	3424.0	56729.	4468.7

Sample Name: 280-19447-f-1-a SD@5 Acquired: 8/27/2011 2:45:23 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82959 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00355**	**.02269**	**1.4139**	**.05798**	**-.00004**	**-.00128**	**14.985**	**-.00050**	**.00274**
Stddev	.00006	.00097	.00298	.0031	.00011	.00003	.00276	.028	.00005	.00005
%RSD	12.193	27.356	13.133	.21757	.19316	64.704	215.21	.18905	9.3654	1.7911
#1	.00053	.00424	.02480	1.4161	.05806	-.00006	.00067	15.005	-.00053	.00271
#2	.00045	.00287	.02059	1.4117	.05791	-.00002	-.00323	14.965	-.00046	.00278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01211**	**.00217**	**.10475**	**56.432**	**.00907**	**24.783**	**.17135**	**.00028**	**198.31**	**.01186**
Stddev	.00013	.00053	.00145	.194	.00430	.004	.00011	.00038	1.27	.00003
%RSD	1.0645	24.634	1.3878	.34449	47.352	.01703	.06711	137.25	.64165	.25920
#1	.01220	.00255	.10578	56.570	.00603	24.786	.17127	.00001	199.21	.01184
#2	.01202	.00179	.10373	56.295	.01211	24.780	.17143	.00054	197.41	.01188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39315**	**-.00141**	**3.7329**	**.00122**	**-.00022**	**2.6769**	**.00017**	**.23911**	**-.00089**	**.01063**
Stddev	.00131	.00128	.0077	.00015	.00300	.0086	.00004	.00049	.00166	.00027
%RSD	.33353	91.028	.20518	12.300	1352.0	.31973	25.474	.20540	187.01	2.5202
#1	.39407	-.00050	3.7383	.00111	-.00234	2.6709	.00021	.23946	-.00206	.01082
#2	.39222	-.00232	3.7275	.00132	.00190	2.6830	.00014	.23876	.00029	.01044
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00143**	**.00406**	**.00893**	**.01112**	**.01067**
Stddev	.00018	.01249	.00057	.00070	.00275
%RSD	12.377	307.49	6.3770	6.2598	25.788
#1	.00131	.01289	.00934	.01063	.00872
#2	.00156	-.00477	.00853	.01161	.01261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3595.0**	**60441.**	**4417.5**
Stddev	1.8	29.	6.8
%RSD	.05143	.04828	.15456
#1	3596.3	60462.	4412.7
#2	3593.7	60420.	4422.3

Sample Name: 280-19447-f-1-b ms Acquired: 8/27/2011 2:47:57 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82959 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.04573**	**.00797**	**.09694**	**-.00226**	**-.00003**	**-.00106**	**-.01036**	**-.00057**	**.00019**
Stddev	.00001	.01760	.00161	.05259	.00098	.00002	.00104	.00175	.00006	.00008
%RSD	3.2311	38.490	20.181	54.247	43.460	65.275	98.521	16.839	11.077	42.414
#1	.00025	.03328	.00684	.05976	-.00156	-.00002	-.00179	-.01160	-.00053	.00013
#2	.00026	.05817	.00911	.13413	-.00295	-.00005	-.00032	-.00913	-.00062	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**-.00433**	**.00085**	**.15447**	**-.00013**	**.06010**	**.00040**	**-.00043**	**.69324**	**.00023**
Stddev	.00051	.00023	.00224	.07447	.00347	.06461	.00041	.00040	.05988	.00074
%RSD	47.920	5.2521	263.58	48.213	2621.9	107.51	100.94	92.443	8.6373	322.11
#1	.00071	-.00417	.00244	.20713	.00232	.10579	.00069	-.00071	.73558	-.00029
#2	.00143	-.00449	-.00073	.10181	-.00259	.01441	.00012	-.00015	.65090	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02906**	**-.00165**	**.25771**	**-.00257**	**-.00372**	**.00761**	**-.00053**	**.00008**	**.00065**	**.00417**
Stddev	.01702	.00192	.13336	.00324	.00366	.00508	.00001	.00004	.00020	.00408
%RSD	58.573	116.22	51.747	126.35	98.396	66.777	1.8646	51.375	30.314	97.868
#1	.01702	-.00029	.16341	-.00027	-.00113	.01121	-.00053	.00005	.00079	.00128
#2	.04109	-.00300	.35201	-.00486	-.00630	.00402	-.00052	.00011	.00051	.00705
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00304**	**-.04516**	**-.00158**	**-.00050**	**.00648**
Stddev	.00080	.01230	.00073	.00004	.00044
%RSD	26.259	27.248	46.246	8.4862	6.7728
#1	.00247	-.05386	-.00210	-.00047	.00679
#2	.00360	-.03646	-.00107	-.00053	.00617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5337.4**	**127490.**	**8341.4**
Stddev	3.0	35816.	1522.3
%RSD	.05570	28.092	18.250
#1	5335.3	152820.	7265.0
#2	5339.5	102170.	9417.8

Sample Name: 280-19447-f-1-c msd Acquired: 8/27/2011 2:50:34 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82959 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.01519**	**.00704**	**.07003**	**-.00216**	**.00000**	**-.00099**	**.04189**	**-.00053**	**.00026**
Stddev	.00022	.00095	.00104	.00708	.00081	.00002	.00189	.06888	.00012	.00013
%RSD	47.401	6.2308	14.836	10.106	37.192	2269.7	191.55	164.42	22.911	48.126
#1	.00063	.01452	.00630	.06502	-.00273	-.00001	-.00232	-.00681	-.00061	.00017
#2	.00032	.01586	.00778	.07503	-.00160	.00001	.00035	.09060	-.00044	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00094**	**-.00487**	**.00082**	**.24657**	**.00174**	**.00421**	**.00002**	**-.00062**	**1.2047**	**.00032**
Stddev	.00018	.00010	.00005	.29334	.00155	.00461	.00002	.00005	.8737	.00017
%RSD	18.715	2.1402	5.8882	118.97	88.893	109.52	101.98	7.8910	72.522	52.454
#1	.00081	-.00495	.00078	.03915	.00065	.00747	.00003	-.00065	.58693	.00020
#2	.00106	-.00480	.00085	.45399	.00284	.00095	.00001	-.00058	1.8225	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01876**	**-.00092**	**.18827**	**-.00160**	**-.00478**	**.04796**	**-.00033**	**.00086**	**.00036**	**.00028**
Stddev	.00300	.00137	.01463	.00145	.00097	.02580	.00005	.00102	.00098	.00014
%RSD	15.965	147.92	7.7732	90.469	20.300	53.803	15.834	119.82	274.02	48.417
#1	.01664	.00004	.17792	-.00262	-.00546	.02971	-.00029	.00013	-.00034	.00019
#2	.02088	-.00189	.19862	-.00058	-.00409	.06620	-.00036	.00158	.00105	.00038
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00281**	W **-.05511**	**-.00138**	**-.00082**	**.00580**
Stddev	.00105	.00371	.00010	.00015	.00110
%RSD	37.368	6.7293	7.1123	17.628	18.918
#1	.00355	-.05249	-.00131	-.00072	.00502
#2	.00207	-.05774	-.00145	-.00093	.00657
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5210.0**	**98796.**	**7974.4**
Stddev	96.9	1381.	1116.2
%RSD	1.8593	1.3981	13.997
#1	5278.4	97820.	8763.7
#2	5141.5	99773.	7185.1

Sample Name: 280-19453-c-1-d Acquired: 8/27/2011 2:53:11 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82959 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00008	.00792	.00525	.07134	-.00181	.00001	-.00043	-.00764	-.00060	.00037
Stddev	.00018	.00308	.00400	.04408	.00086	.00006	.00286	.00132	.00012	.00022
%RSD	224.43	38.818	76.251	61.784	47.391	511.88	670.06	17.273	19.965	58.351
#1	-.00005	.00575	.00242	.04017	-.00120	.00005	-.00245	-.00671	-.00052	.00022
#2	.00020	.01010	.00808	.10251	-.00241	-.00003	.00160	-.00858	-.00069	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00084	-.00408	.00119	.09293	.00304	.10252	.00069	-.00038	.61277	.00024
Stddev	.00038	.00030	.00052	.09693	.00107	.09997	.00068	.00028	.04938	.00039
%RSD	45.274	7.4083	43.500	104.31	35.236	97.509	99.069	71.502	8.0578	165.21
#1	.00057	-.00387	.00082	.16147	.00380	.03183	.00021	-.00058	.64769	-.00004
#2	.00110	-.00430	.00156	.02439	.00228	.17321	.00118	-.00019	.57786	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02062	-.00067	.19331	-.00260	W -.00543	-.00629	-.00082	.00004	.00111	.00103
Stddev	.01389	.00084	.11368	.00082	.00322	.01644	.00026	.00002	.00056	.00003
%RSD	67.363	125.27	58.809	31.468	59.291	261.24	32.378	55.352	50.889	2.4313
#1	.01080	-.00008	.11292	-.00202	-.00770	-.01792	-.00063	.00002	.00071	.00101
#2	.03044	-.00126	.27370	-.00317	-.00315	.00533	-.00100	.00005	.00151	.00105
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00461	W -.06741	-.00194	-.00056	.00538
Stddev	.00119	.00156	.00008	.00013	.00271
%RSD	25.808	2.3070	4.1302	22.229	50.359
#1	.00545	-.06631	-.00188	-.00065	.00346
#2	.00377	-.06851	-.00200	-.00048	.00729
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5344.9	147350.	7558.9
Stddev	59.0	19991.	1619.3
%RSD	1.1047	13.567	21.423
#1	5386.7	161490.	6413.9
#2	5303.2	133220.	8704.0

Sample Name: 280-19453-c-2-b Acquired: 8/27/2011 2:55:48 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82959 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	.00531	.00772	.03518	-.00137	-.00003	-.00316	-.01086	-.00062	.00025
Stddev	.00000	.00215	.00169	.02783	.00166	.00004	.00143	.00398	.00007	.00011
%RSD	1.7606	40.431	21.934	79.110	121.17	110.70	45.112	36.648	11.570	44.678
#1	.00023	.00380	.00652	.01550	-.00020	-.00006	-.00215	-.00805	-.00067	.00033
#2	.00022	.00683	.00891	.05486	-.00254	-.00001	-.00417	-.01368	-.00057	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00041	-.00370	-.00090	.11404	.00033	.06811	.00044	-.00048	.59404	.00010
Stddev	.00015	.00018	.00111	.15417	.00067	.08933	.00061	.00063	.09337	.00044
%RSD	37.296	4.9478	122.83	135.19	203.16	131.15	139.50	130.37	15.718	419.86
#1	.00031	-.00383	-.00169	.22306	-.00014	.00495	.00001	-.00092	.66007	-.00021
#2	.00052	-.00357	-.00012	.00503	.00081	.13127	.00088	-.00004	.52802	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01032	-.00009	.10086	-.00130	-.00467	-.01892	-.00021	.00008	.00112	.00105
Stddev	.00992	.00140	.07334	.00014	.00069	.00075	.00012	.00001	.00038	.00025
%RSD	96.091	1605.2	72.714	11.135	14.724	3.9637	58.269	15.996	34.415	24.130
#1	.00331	.00090	.04900	-.00119	-.00418	-.01839	-.00012	.00009	.00084	.00087
#2	.01733	-.00108	.15271	-.00140	-.00515	-.01945	-.00029	.00007	.00139	.00123
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00459	W -.07660	-.00204	-.00067	.00556
Stddev	.00062	.00005	.00000	.00018	.00136
%RSD	13.393	.07177	.09038	27.181	24.400
#1	.00503	-.07664	-.00204	-.00054	.00652
#2	.00416	-.07656	-.00204	-.00080	.00460
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5142.6	160780.	6985.0
Stddev	85.2	4645.	1968.9
%RSD	1.6575	2.8889	28.187
#1	5202.9	164070.	5592.8
#2	5082.3	157500.	8377.2

Sample Name: CCVH-940568 Acquired: 8/27/2011 2:58:26 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00361**	**.00537**	**.01600**	**-.00187**	**-.00004**	F **-.00391**	**-.00844**	**-.00047**	**.00012**	**.00032**
Stddev	.00022	.00393	.00103	.00066	.00094	.00006	.00100	.00018	.00007	.00002	.00008
%RSD	372.81	108.86	19.134	4.1533	50.043	140.37	25.472	2.1508	15.602	13.076	24.316
#1	-.00010	.00639	.00464	.01553	-.00121	-.00009	-.00462	-.00857	-.00042	.00011	.00026
#2	.00021	.00083	.00609	.01646	-.00253	.00000	-.00321	-.00831	-.00052	.00014	.00037
Check ?	None	None	None	None	None	None	Chk Fail	None	None	None	None
Value							1.0000				
Range							-10.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00395**	F **-.00034**	**.04997**	**-.00072**	**.02144**	**.00015**	**-.00035**	**.50680**	**-.00048**	**.00424**	**-.00117**
Stddev	.00008	.00037	.09884	.00088	.02471	.00022	.00041	.07004	.00006	.00096	.00244
%RSD	2.0097	107.35	197.81	122.41	115.21	150.02	117.57	13.820	12.761	22.587	207.47
#1	-.00389	-.00060	.11986	-.00134	.00398	-.00001	-.00064	.55633	-.00043	.00356	.00055
#2	-.00400	-.00008	-.01992	-.00010	.03891	.00031	-.00006	.45728	-.00052	.00491	-.00290
Check ?	None	Chk Fail	None	None	None	None	None	None	None	None	None
Value		50.000									
Range		-10.000%									

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05307**	**-.00034**	**-.00512**	**-.02661**	**-.00066**	**.00000**	F **.00084**	**.00099**	**.00283**	F **-.07583**	**-.00185**
Stddev	.00044	.00065	.00293	.00272	.00016	.0001	.00019	.00010	.00091	.01292	.00005
%RSD	.82176	192.45	57.161	10.228	23.842	1948.6	22.966	9.8231	32.013	17.034	2.9255
#1	.05338	-.00079	-.00719	-.02853	-.00077	-.00007	.00098	.00092	.00347	-.08496	-.00181
#2	.05276	.00012	-.00305	-.02468	-.00055	.00006	.00071	.00106	.00219	-.06669	-.00189
Check ?	None	None	None	None	None	None	Chk Fail	None	None	Chk Fail	None
Value							5.0000			10.000	
Range							-10.000%			-10.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00048**	**.00330**
Stddev	.00002	.00348
%RSD	3.2043	105.33
#1	-.00049	.00084
#2	-.00046	.00576
Check ?	None	None
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5211.2**	**157700.**	**7495.2**
Stddev	47.3	10329.	1867.7
%RSD	.90710	6.5499	24.918
#1	5177.8	165000.	6174.5
#2	5244.6	150390.	8815.8

Sample Name: CCV-940591 Acquired: 8/27/2011 3:01:03 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00022**	F **.00935**	F **.00832**	F **.00547**	F **-.00178**	F **-.00009**	**-.00303**	F **-.01128**	F **-.00061**	F **.00002**	F **.00021**
Stddev	.00002	.00377	.00143	.00029	.00136	.00006	.00165	.00044	.00002	.00003	.00012
%RSD	6.8984	40.270	17.128	5.3261	76.646	65.921	54.616	3.9227	3.8142	169.96	56.114
#1	.00023	.00669	.00731	.00568	-.00081	-.00013	-.00419	-.01159	-.00059	.00004	.00012
#2	.00021	.01202	.00933	.00527	-.00274	-.00005	-.00186	-.01096	-.00063	.00000	.00029
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	.50000	1.0000	.50000	.50000	.50000		5.0000	.50000	.50000	.50000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%	-10.000%	-10.000%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00390**	F **.00140**	F **.01199**	F **.00356**	F **.00476**	F **.00003**	F **-.00051**	F **.47464**	F **-.00058**	F **.00069**	F **-.00146**
Stddev	.00000	.00049	.04836	.00135	.00638	.00006	.00011	.03823	.00003	.00004	.00103
%RSD	.04045	35.211	403.51	37.927	134.12	198.96	20.987	8.0553	4.5363	5.8180	70.598
#1	-.00390	.00175	.04618	.00451	.00025	-.00001	-.00059	.50167	-.00056	.00072	-.00219
#2	-.00391	.00105	-.02221	.00260	.00927	.00007	-.00043	.44760	-.00060	.00066	-.00073
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	2.5000	50.000	1.0000	20.000	.50000	.50000	5.0000	.50000	1.0000	1.0000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02509**	F **-.00131**	F **-.00636**	F **-.03221**	F **-.00013**	F **-.00004**	**.00104**	F **.00081**	F **.00308**	**-.07601**	F **-.00202**
Stddev	.00256	.00002	.00268	.00019	.00025	.00006	.00019	.00012	.00053	.00231	.00002
%RSD	10.188	1.4689	42.075	.59198	189.89	141.28	18.694	15.218	17.192	3.0422	.88019
#1	.02328	-.00129	-.00826	-.03234	-.00030	.00000	.00090	.00090	.00346	-.07764	-.00203
#2	.02690	-.00132	-.00447	-.03208	.00004	-.00008	.00118	.00072	.00271	-.07437	-.00200
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	None	Chk Fail
Value		1.0000	1.0000	5.0000	1.0000	.50000		.50000	1.0000		.50000
Range		-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%		-10.000%

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	F **-.00077**	F **.00600**
Stddev	.00002	.00194
%RSD	2.6939	32.395
#1	-.00079	.00737
#2	-.00076	.00463
Check ?	Chk Fail	Chk Fail
Value	.50000	.50000
Range	-10.000%	-10.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5181.0**	**154410.**	**7504.2**
Stddev	44.6	13570.	1893.1
%RSD	.86182	8.7885	25.228
#1	5212.5	164000.	6165.5
#2	5149.4	144810.	8842.8

Sample Name: CCB Acquired: 8/27/2011 3:03:40 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00190**	W **.00814**	W **.00297**	F **-.00225**	**-.00003**	**-.00217**	**-.01192**	W **-.00055**	**-.00003**
Stddev	.00005	.00032	.00085	.00011	.00049	.00001	.00019	.00229	.00000	.00007
%RSD	23.913	17.003	10.394	3.8371	21.711	35.323	8.9103	19.240	.66934	248.52
#1	.00026	.00213	.00754	.00305	-.00191	-.00003	-.00230	-.01030	-.00055	-.00008
#2	.00018	.00167	.00874	.00289	-.00260	-.00002	-.00203	-.01355	-.00056	.00002
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Fail	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass
High Limit			.00440	.00156	.00115				.00045	
Low Limit			-.00440	-.00156	-.00115				-.00045	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	F **-.00431**	**.00071**	**-.05403**	**.00234**	**.00038**	**.00001**	**-.00051**	F **.42057**	**-.00037**
Stddev	.00004	.00067	.00223	.06165	.00162	.00194	.00002	.00020	.03326	.00010
%RSD	23.274	15.551	312.79	114.09	69.486	511.61	121.03	39.090	7.9091	27.232
#1	.00021	-.00384	.00229	-.01044	.00349	-.00099	.00000	-.00065	.44409	-.00030
#2	.00015	-.00479	-.00086	-.09762	.00119	.00175	.00003	-.00037	.39705	-.00045
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		.00272							.10000	
Low Limit		-.00272							-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**-.00086**	**.02206**	**-.00080**	**-.00391**	**-.01525**	**-.00028**	**.00004**	**.00049**	W **.00085**
Stddev	.00033	.00079	.00048	.00073	.00098	.00330	.00061	.00004	.00090	.00021
%RSD	150.82	92.086	2.1978	91.099	25.086	21.630	218.11	101.38	182.33	25.106
#1	.00046	-.00141	.02172	-.00029	-.00461	-.01759	.00015	.00007	.00113	.00100
#2	-.00001	-.00030	.02241	-.00132	-.00322	-.01292	-.00071	.00001	-.00014	.00070
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										.00060
Low Limit										-.00060

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00374**	F **-.05581**	W **-.00139**	**-.00059**	F **.00517**
Stddev	.00135	.02790	.00074	.00008	.00008
%RSD	36.080	49.984	53.124	13.915	1.5916
#1	.00278	-.07553	-.00192	-.00065	.00511
#2	.00469	-.03608	-.00087	-.00054	.00523
Check ?	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Fail
High Limit		.05000	.00111		.00476
Low Limit		-.05000	-.00111		-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	5295.8	125560.	8199.2
Stddev	64.4	42717.	1569.7
%RSD	1.2170	34.022	19.144
#1	5341.4	155760.	7089.2
#2	5250.3	95351.	9309.1

Sample Name: CCVL946273 Acquired: 8/27/2011 3:06:16 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00001**	F **.00236**	F **.00563**	F **.00247**	F **-.00219**	F **.00001**	F **-.00142**	F **-.01065**	F **-.00058**	F **.00019**	F **.00038**
Stddev	.00032	.00070	.00212	.00016	.00139	.00003	.00081	.00125	.00004	.00013	.00001
%RSD	3725.5	29.768	37.758	6.3333	63.524	265.93	56.915	11.756	6.7731	70.473	3.6620
#1	-.00022	.00186	.00713	.00236	-.00121	.00003	-.00199	-.00977	-.00060	.00028	.00037
#2	.00024	.00285	.00412	.00258	-.00317	-.00001	-.00085	-.01154	-.00055	.00010	.00039
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01000	.10000	.01500	.10000	.01000	.00100	.10000	.20000	.00500	.01000	.01000
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00423**	F **-.00095**	F **-.04927**	F **.00253**	F **.00181**	F **-.00002**	F **-.00065**	F **.41673**	F **-.00050**	F **-.00108**	F **.00070**
Stddev	.00035	.00066	.06071	.00065	.00350	.00004	.00024	.03422	.00015	.00020	.00022
%RSD	8.1519	69.139	123.22	25.712	193.38	175.73	37.273	8.2108	29.406	18.492	31.875
#1	-.00399	-.00049	-.00634	.00299	-.00066	-.00006	-.00082	.44093	-.00040	-.00094	.00085
#2	-.00448	-.00141	-.09219	.00207	.00428	.00001	-.00048	.39254	-.00060	-.00122	.00054
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01500	.10000	3.0000	.01000	.20000	.01000	.02000	1.0000	.04000	3.0000	.00900
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02088**	F **.00045**	F **-.00525**	F **-.00952**	F **-.00017**	F **.00002**	F **-.00024**	F **.00075**	F **.00362**	F **-.04797**	F **-.00164**
Stddev	.00012	.00329	.00015	.01181	.00070	.00005	.00223	.00032	.00002	.01812	.00084
%RSD	.58267	730.57	2.8347	124.08	418.80	257.54	923.01	43.043	.41529	37.770	51.369
#1	.02096	.00277	-.00536	-.00117	.00033	.00005	.00133	.00098	.00361	-.06078	-.00223
#2	.02079	-.00187	-.00515	-.01787	-.00067	-.00001	-.00181	.00052	.00363	-.03515	-.00104
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value		.01000	.01500	.50000	.10000	.01000	.01500	.01000	.01500	.06000	.01000
Range		-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	F **-.00071**	F **.00546**
Stddev	.00001	.00182
%RSD	1.1643	33.360
#1	-.00071	.00417
#2	-.00072	.00675
Check ?	Chk Fail	Chk Fail
Value	.02000	.01500
Range	-30.000%	-30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5290.9**	**131880.**	**7865.0**
Stddev	91.5	53188.	1648.8
%RSD	1.7293	40.332	20.963
#1	5355.6	169490.	6699.2
#2	5226.2	94266.	9030.9

Sample Name: 280-19453-c-3-b Acquired: 8/27/2011 3:08:52 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82959 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00028	.00152	.00466	.00200	-.00275	-.00001	-.00085	-.01226	-.00057	.00008
Stddev	.00009	.00079	.00106	.00021	.00031	.00001	.00036	.00065	.00007	.00014
%RSD	32.803	52.004	22.796	10.455	11.368	70.462	42.335	5.2723	12.165	179.41
#1	.00034	.00207	.00541	.00186	-.00252	.00000	-.00060	-.01180	-.00062	.00017
#2	.00021	.00096	.00391	.00215	-.00297	-.00001	-.00110	-.01272	-.00052	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00025	-.00486	.00183	-.08466	.00065	-.00005	-.00002	-.00074	.37369	-.00049
Stddev	.00001	.00032	.00077	.01446	.00000	.00054	.00002	.00001	.00364	.00013
%RSD	5.6103	6.5106	41.777	17.079	.32265	1009.4	146.71	1.3169	.97282	27.450
#1	.00026	-.00464	.00237	-.07443	.00065	-.00044	-.00003	-.00074	.37626	-.00039
#2	.00024	-.00509	.00129	-.09488	.00065	.00033	.00000	-.00073	.37112	-.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00019	-.00117	.02360	-.00151	-.00411	-.01509	-.00044	-.00004	-.00056	.00010
Stddev	.00107	.00046	.00256	.00032	.00220	.01276	.00039	.00001	.00040	.00010
%RSD	551.85	39.302	10.866	21.136	53.375	84.587	88.459	19.959	72.127	100.18
#1	.00056	-.00150	.02179	-.00174	-.00567	-.02412	-.00017	-.00003	-.00084	.00003
#2	-.00095	-.00085	.02541	-.00129	-.00256	-.00606	-.00072	-.00004	-.00027	.00017
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00290	W -.06296	-.00114	-.00048	.00695
Stddev	.00088	.00382	.00017	.00032	.00142
%RSD	30.266	6.0640	15.217	67.354	20.486
#1	.00352	-.06566	-.00102	-.00070	.00594
#2	.00228	-.06026	-.00126	-.00025	.00795
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5101.9	93748.	9061.2
Stddev	110.8	4601.	940.0
%RSD	2.1720	4.9074	10.374
#1	5180.2	90495.	8396.5
#2	5023.5	97002.	9725.9

Sample Name: 280-19453-c-4-b Acquired: 8/27/2011 3:11:29 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82959 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00039	.00095	.00737	.00200	-.00205	-.00005	-.00079	-.01018	-.00066	.00024
Stddev	.00010	.00009	.00085	.00005	.00077	.00003	.00155	.00424	.00003	.00000
%RSD	26.155	9.5681	11.486	2.6928	37.460	60.319	195.47	41.646	4.9171	2.0300
#1	.00046	.00089	.00796	.00196	-.00259	-.00003	-.00189	-.01318	-.00064	.00024
#2	.00032	.00102	.00677	.00204	-.00151	-.00007	.00030	-.00718	-.00069	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00021	-.00489	-.00024	-.04401	.00372	-.00167	-.00002	-.00103	.36192	-.00036
Stddev	.00004	.00015	.00048	.05228	.00293	.00044	.00003	.00010	.00169	.00031
%RSD	21.389	3.1565	203.93	118.80	78.973	26.501	146.09	9.8298	.46641	86.226
#1	.00017	-.00500	-.00058	-.08098	.00164	-.00135	.00000	-.00110	.36311	-.00058
#2	.00024	-.00478	.00010	-.00704	.00579	-.00198	-.00005	-.00096	.36073	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00144	-.00082	.02186	-.00074	-.00333	-.01521	-.00044	-.00008	.00081	.00013
Stddev	.00015	.00044	.00420	.00073	.00386	.00346	.00019	.00012	.00012	.00017
%RSD	10.127	53.939	19.220	99.251	115.84	22.732	43.009	150.23	14.351	126.95
#1	-.00134	-.00113	.02483	-.00125	-.00606	-.01276	-.00031	.00000	.00089	.00026
#2	-.00155	-.00051	.01889	-.00022	-.00060	-.01765	-.00057	-.00016	.00073	.00001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00229	W -.08404	-.00083	-.00075	.00415
Stddev	.00034	.01822	.00002	.00033	.00162
%RSD	14.818	21.683	2.8069	44.012	38.958
#1	.00253	-.07116	-.00085	-.00099	.00530
#2	.00205	-.09693	-.00082	-.00052	.00301
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5134.5	96377.	7649.1
Stddev	35.2	1133.	1480.3
%RSD	.68510	1.1755	19.353
#1	5159.3	97178.	8695.9
#2	5109.6	95576.	6602.3

Sample Name: 280-19453-c-5-b Acquired: 8/27/2011 3:14:05 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82959 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00014	.00159	.00751	.00170	-.00120	-.00008	-.00123	-.01063	-.00057	.00027
Stddev	.00009	.00015	.00167	.00032	.00100	.00001	.00273	.00210	.00006	.00005
%RSD	68.270	9.6700	22.299	18.941	83.484	15.581	221.66	19.798	11.013	18.173
#1	.00007	.00148	.00870	.00192	-.00191	-.00009	-.00317	-.01212	-.00062	.00024
#2	.00020	.00170	.00633	.00147	-.00049	-.00007	.00070	-.00914	-.00053	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00033	-.00455	-.00125	-.00352	.00307	-.00001	-.00004	-.00075	.35779	-.00043
Stddev	.00009	.00021	.00063	.05912	.00274	.00031	.00002	.00000	.01725	.00006
%RSD	26.434	4.6135	50.245	1678.4	89.294	2697.2	50.753	.48453	4.8223	13.445
#1	.00039	-.00470	-.00080	-.04532	.00113	-.00023	-.00005	-.00075	.36999	-.00039
#2	.00027	-.00440	-.00169	.03828	.00501	.00020	-.00002	-.00074	.34559	-.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00153	-.00209	.02224	-.00097	W -.00602	-.00868	-.00024	.00003	.00015	.00022
Stddev	.00083	.00017	.00102	.00076	.00080	.00641	.00046	.00009	.00088	.00026
%RSD	54.429	8.0942	4.6028	77.959	13.221	73.857	192.63	259.83	569.28	117.75
#1	-.00094	-.00197	.02296	-.00044	-.00545	-.00415	-.00056	.00010	-.00047	.00004
#2	-.00212	-.00221	.02151	-.00151	-.00658	-.01321	.00009	-.00003	.00077	.00040
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00266	W -.05721	-.00119	-.00096	.00528
Stddev	.00004	.01044	.00002	.00013	.00163
%RSD	1.5580	18.256	2.0207	13.083	30.834
#1	.00263	-.06460	-.00118	-.00087	.00643
#2	.00269	-.04983	-.00121	-.00105	.00413
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5210.1	97467.	6554.1
Stddev	89.2	34.	1259.9
%RSD	1.7125	.03502	19.223
#1	5273.2	97443.	7445.0
#2	5147.0	97492.	5663.2

Sample Name: 280-19453-c-6-b Acquired: 8/27/2011 3:16:40 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82959 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00055	.00035	.00670	.00122	-.00212	.00002	-.00014	-.00957	-.00047	.00006
Stddev	.00035	.00081	.00163	.00011	.00058	.00006	.00053	.00144	.00009	.00010
%RSD	62.627	230.67	24.289	9.3570	27.230	370.22	384.03	15.087	18.330	181.78
#1	.00080	.00092	.00785	.00130	-.00253	-.00003	-.00051	-.00855	-.00054	.00013
#2	.00031	-.00022	.00555	.00114	-.00171	.00006	.00024	-.01059	-.00041	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00028	-.00467	.00083	-.07822	.00174	-.00029	.00001	-.00090	.34586	-.00055
Stddev	.00002	.00022	.00059	.01132	.00190	.00159	.00003	.00031	.00164	.00012
%RSD	6.3566	4.7350	71.891	14.474	109.01	541.77	523.98	34.966	.47306	22.719
#1	.00029	-.00451	.00041	-.08623	.00040	-.00142	-.00002	-.00112	.34702	-.00046
#2	.00027	-.00482	.00125	-.07022	.00308	.00083	.00003	-.00067	.34471	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00107	-.00070	.01826	-.00158	-.00379	-.02200	-.00028	-.00002	-.00018	.00011
Stddev	.00165	.00142	.00035	.00091	.00099	.00717	.00024	.00011	.00080	.00016
%RSD	153.71	204.23	1.9205	57.946	26.146	32.577	86.740	567.33	438.14	149.25
#1	.00009	-.00170	.01851	-.00222	-.00449	-.02707	-.00011	-.00010	.00038	-.00001
#2	-.00224	.00031	.01801	-.00093	-.00309	-.01693	-.00045	.00006	-.00075	.00023
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00310	-.04484	-.00134	-.00073	.00617
Stddev	.00019	.01468	.00029	.00020	.00012
%RSD	6.1991	32.733	21.883	27.676	1.9339
#1	.00323	-.05521	-.00113	-.00058	.00608
#2	.00296	-.03446	-.00154	-.00087	.00625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5262.3	97338.	7992.0
Stddev	35.1	655.	954.3
%RSD	.66643	.67328	11.941
#1	5287.1	97802.	8666.8
#2	5237.6	96875.	7317.3

Sample Name: 280-19453-c-7-b Acquired: 8/27/2011 3:19:18 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82959 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00036	.00124	.00561	.00088	-.00107	-.00005	-.00157	-.00975	-.00058	.00018
Stddev	.00013	.00012	.00074	.00011	.00098	.00005	.00006	.00163	.00000	.00012
%RSD	35.551	9.3430	13.128	12.211	91.052	113.01	3.5897	16.744	.05667	69.611
#1	.00045	.00132	.00613	.00096	-.00176	-.00001	-.00161	-.01091	-.00058	.00026
#2	.00027	.00116	.00509	.00081	-.00038	-.00009	-.00153	-.00860	-.00058	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	-.00474	.00016	-.00023	.00246	.00112	-.00002	-.00100	.32480	-.00036
Stddev	.00007	.00010	.00049	.06291	.00250	.00232	.00003	.00005	.01631	.00002
%RSD	33.297	2.1581	309.65	27631.	101.65	207.83	142.09	5.1050	5.0227	6.8774
#1	.00017	-.00467	.00051	-.04471	.00069	-.00052	.00000	-.00104	.33634	-.00034
#2	.00027	-.00481	-.00019	.04426	.00422	.00276	-.00005	-.00097	.31327	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00148	-.00057	.02259	-.00153	W -.00669	-.02139	-.00017	.00006	-.00047	.00035
Stddev	.00150	.00076	.00038	.00190	.00141	.00983	.00039	.00000	.00029	.00026
%RSD	100.85	133.03	1.6928	124.04	21.151	45.977	229.63	6.1657	61.322	74.063
#1	-.00043	-.00111	.02286	-.00019	-.00569	-.01443	.00011	.00006	-.00027	.00017
#2	-.00254	-.00003	.02232	-.00287	-.00769	-.02834	-.00044	.00007	-.00068	.00054
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00352	-.01861	-.00109	-.00049	.00421
Stddev	.00053	.01138	.00031	.00010	.00142
%RSD	15.056	61.120	28.582	20.431	33.665
#1	.00390	-.02666	-.00087	-.00042	.00521
#2	.00315	-.01057	-.00131	-.00056	.00321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5350.8	100140.	6484.2
Stddev	220.2	4626.	1264.1
%RSD	4.1158	4.6198	19.494
#1	5506.5	96867.	7378.1
#2	5195.1	103410.	5590.4

Sample Name: 280-19453-c-8-b Acquired: 8/27/2011 3:21:55 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82959 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00011	.00119	.00609	.00136	-.00091	.00001	-.00254	-.00869	-.00058	.00009
Stddev	.00004	.00145	.00140	.00044	.00140	.00000	.00187	.00404	.00008	.00004
%RSD	33.521	122.69	22.914	32.441	154.26	31.840	73.608	46.540	13.614	47.402
#1	.00008	.00221	.00708	.00104	-.00190	.00001	-.00387	-.01155	-.00063	.00013
#2	.00013	.00016	.00511	.00167	.00008	.00001	-.00122	-.00583	-.00052	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00025	-.00457	.00059	-.08225	.00230	.00174	-.00001	-.00088	.32647	-.00020
Stddev	.00010	.00031	.00365	.05380	.00357	.00055	.00001	.00020	.00688	.00012
%RSD	40.863	6.7199	615.62	65.409	154.70	31.962	115.18	22.853	2.1082	56.242
#1	.00033	-.00478	-.00199	-.12030	-.00022	.00134	.00000	-.00102	.33134	-.00029
#2	.00018	-.00435	.00317	-.04421	.00483	.00213	-.00001	-.00074	.32161	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00102	-.00122	.01721	-.00097	-.00499	-.01287	-.00025	.00001	.00010	.00019
Stddev	.00003	.00089	.00178	.00083	.00300	.00844	.00033	.00002	.00124	.00004
%RSD	2.6755	73.003	10.349	86.455	60.122	65.616	131.69	153.84	1247.1	22.567
#1	-.00103	-.00185	.01595	-.00038	-.00287	-.01884	-.00048	.00000	.00098	.00016
#2	-.00100	-.00059	.01847	-.00156	-.00711	-.00690	-.00002	.00003	-.00078	.00022
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00309	W -.05646	-.00104	-.00061	.00594
Stddev	.00077	.02939	.00002	.00024	.00142
%RSD	24.864	52.060	2.2003	39.357	23.955
#1	.00255	-.07725	-.00106	-.00044	.00494
#2	.00364	-.03568	-.00102	-.00078	.00695
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5283.0	97917.	6666.4
Stddev	158.6	2270.	1194.4
%RSD	3.0022	2.3177	17.917
#1	5395.1	99522.	7511.0
#2	5170.8	96313.	5821.8

Sample Name: 280-19453-c-9-b Acquired: 8/27/2011 3:24:31 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82959 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00082**	**.00616**	**.00113**	**-.00124**	**-.00005**	**-.00224**	**-.00911**	**-.00051**	**-.00003**
Stddev	.00053	.00036	.00025	.00069	.00098	.00007	.00142	.00235	.00009	.00017
%RSD	134.58	44.203	4.0570	60.787	78.638	136.52	63.312	25.849	18.185	540.24
#1	.00077	.00108	.00634	.00161	-.00193	.00000	-.00124	-.00744	-.00045	.00009
#2	.00002	.00056	.00598	.00064	-.00055	-.00011	-.00324	-.01077	-.00058	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00467**	**-.00077**	**-.06105**	**.00654**	**.00003**	**.00000**	**-.00080**	**.32192**	**-.00043**
Stddev	.00008	.00036	.00131	.05115	.00347	.00009	.0000	.00002	.00133	.00014
%RSD	39.289	7.7231	170.60	83.781	53.052	359.67	700.36	3.0094	.41292	32.188
#1	.00015	-.00492	.00016	-.09722	.00408	-.00004	-.00002	-.00079	.32286	-.00033
#2	.00027	-.00441	-.00170	-.02488	.00899	.00009	.00001	-.00082	.32098	-.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00163**	**-.00065**	**.01907**	**-.00109**	W **-.00675**	**-.01480**	**-.00026**	**.00006**	**.00016**	**.00024**
Stddev	.00110	.00028	.00188	.00080	.00029	.00019	.00039	.00010	.00019	.00002
%RSD	67.208	43.258	9.8386	73.227	4.2798	1.2863	150.47	157.37	118.42	6.5129
#1	-.00086	-.00045	.01775	-.00166	-.00655	-.01494	-.00054	-.00001	.00030	.00023
#2	-.00241	-.00085	.02040	-.00053	-.00696	-.01467	.00002	.00014	.00003	.00025
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00290**	W **-.05100**	**-.00105**	**-.00063**	**.00448**
Stddev	.00007	.00119	.00028	.00034	.00073
%RSD	2.4714	2.3277	26.338	53.240	16.177
#1	.00285	-.05016	-.00086	-.00087	.00499
#2	.00295	-.05184	-.00125	-.00039	.00397
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5208.4**	**100910.**	**6943.5**
Stddev	26.3	932.	1362.4
%RSD	.50582	.92364	19.621
#1	5189.8	100260.	7906.9
#2	5227.1	101570.	5980.1

Sample Name: 280-19453-c-10-b Acquired: 8/27/2011 3:27:09 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82959 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00059**	**.00433**	**.00101**	**-.00222**	**-.00003**	**-.00230**	**-.01156**	**-.00046**	**-.00001**
Stddev	.00024	.00035	.00145	.00051	.00084	.00003	.00373	.00042	.00013	.00024
%RSD	177.75	59.256	33.513	50.618	37.652	87.359	162.48	3.6475	28.878	2376.2
#1	.00030	.00084	.00535	.00065	-.00281	-.00005	.00034	-.01185	-.00056	-.00018
#2	-.00003	.00035	.00330	.00137	-.00163	-.00001	-.00494	-.01126	-.00037	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00480**	**.00101**	**-.07700**	**.00418**	**.00007**	**.00001**	**-.00068**	**.32792**	**-.00037**
Stddev	.00018	.00013	.00021	.01241	.00424	.00146	.00001	.00001	.00480	.00026
%RSD	71.643	2.7523	21.167	16.117	101.30	2182.1	159.22	.85146	1.4649	70.228
#1	.00038	-.00489	.00086	-.06822	.00119	-.00096	.00002	-.00068	.32453	-.00019
#2	.00012	-.00470	.00116	-.08577	.00718	.00110	.00000	-.00068	.33132	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00142**	**-.00038**	**.02101**	**-.00105**	W **-.00642**	**-.01159**	**.00005**	**-.00002**	**.00020**	**.00028**
Stddev	.00275	.00036	.00203	.00039	.00179	.00521	.00027	.00000	.00054	.00011
%RSD	194.46	95.350	9.6782	37.092	27.967	44.943	558.72	18.413	272.44	38.748
#1	-.00336	-.00012	.01957	-.00132	-.00769	-.01528	.00024	-.00002	-.00018	.00020
#2	.00053	-.00063	.02245	-.00077	-.00515	-.00791	-.00014	-.00002	.00058	.00036
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00270**	W **-.05177**	**-.00073**	**-.00065**	**.00679**
Stddev	.00072	.00541	.00010	.00042	.00070
%RSD	26.743	10.447	13.945	65.208	10.321
#1	.00321	-.04795	-.00080	-.00035	.00728
#2	.00219	-.05559	-.00066	-.00095	.00629
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5233.6**	**98476.**	**7871.3**
Stddev	95.5	69.	1286.5
%RSD	1.8247	.07010	16.344
#1	5301.1	98525.	8781.0
#2	5166.1	98427.	6961.7

Sample Name: CCVH-940568 Acquired: 8/27/2011 3:29:45 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00361**	**.00567**	**.00012**	**-.00254**	**-.00001**	F **-.00054**	**-.01126**	**-.00049**	**.00009**	**.00033**
Stddev	.00018	.00035	.00092	.00010	.00017	.00005	.00096	.00041	.00004	.00011	.00004
%RSD	124.01	9.7851	16.280	82.162	6.7059	684.36	178.48	3.6055	7.1885	121.09	11.490
#1	.00002	.00386	.00502	.00020	-.00266	-.00005	.00014	-.01155	-.00052	.00017	.00036
#2	.00027	.00336	.00632	.00005	-.00242	.00003	-.00122	-.01098	-.00047	.00001	.00031
Check ?	None	None	None	None	None	None	Chk Fail	None	None	None	None
Value							1.0000				
Range							-10.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00492**	F **-.00133**	**-.10240**	**.00152**	**.00009**	**-.00003**	**-.00110**	**.32212**	**-.00067**	**-.00136**	**-.00069**
Stddev	.00010	.00096	.02303	.00092	.00128	.00005	.00002	.01062	.00036	.00201	.00070
%RSD	1.9310	72.132	22.494	60.798	1364.5	181.19	1.4644	3.2955	54.355	147.79	101.79
#1	-.00485	-.00065	-.11868	.00087	-.00081	.00001	-.00111	.31461	-.00092	.00006	-.00118
#2	-.00499	-.00201	-.08611	.00218	.00100	-.00006	-.00109	.32962	-.00041	-.00278	-.00019
Check ?	None	Chk Fail	None	None	None	None	None	None	None	None	None
Value		50.000									
Range		-10.000%									

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02220**	**-.00029**	**-.00534**	**-.02703**	**-.00057**	**-.00005**	F **.00049**	**.00018**	**.00365**	F **-.03867**	**-.00091**
Stddev	.00095	.00061	.00054	.01069	.00047	.00005	.00061	.00004	.00104	.00739	.00050
%RSD	4.2812	208.65	10.114	39.543	82.084	95.780	123.49	19.814	28.461	19.119	54.890
#1	.02287	-.00073	-.00496	-.03459	-.00090	-.00002	.00006	.00015	.00439	-.04390	-.00126
#2	.02153	.00014	-.00572	-.01948	-.00024	-.00009	.00092	.00020	.00292	-.03344	-.00056
Check ?	None	None	None	None	None	None	Chk Fail	None	None	Chk Fail	None
Value							5.0000			10.000	
Range							-10.000%			-10.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00053**	**.00467**
Stddev	.00018	.00099
%RSD	34.189	21.259
#1	-.00066	.00537
#2	-.00040	.00396
Check ?	None	None
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5347.6**	**99730.**	**8365.1**
Stddev	66.0	380.	317.0
%RSD	1.2344	.38058	3.7894
#1	5394.3	99462.	8589.2
#2	5300.9	99998.	8141.0

Sample Name: CCV-940591 Acquired: 8/27/2011 3:32:22 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00054**	F **.00082**	F **.00572**	F **.00048**	F **-.00218**	F **-.00001**	**-.00178**	F **-.01119**	F **-.00053**	F **.00021**	F **.00021**
Stddev	.00023	.00026	.00212	.00025	.00047	.00000	.00134	.00534	.00005	.00024	.00000
%RSD	43.165	31.384	37.129	52.878	21.530	4.6079	75.107	47.764	8.8016	112.83	.27374
#1	.00071	.00064	.00422	.00030	-.00251	-.00001	-.00083	-.01497	-.00049	.00004	.00021
#2	.00038	.00100	.00722	.00066	-.00184	-.00001	-.00272	-.00741	-.00056	.00038	.00021
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	.50000	1.0000	.50000	.50000	.50000		5.0000	.50000	.50000	.50000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%	-10.000%	-10.000%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00475**	F **.00008**	F **-.06937**	F **.00259**	F **-.00017**	F **-.00007**	F **-.00090**	F **.31487**	F **-.00041**	F **.00039**	F **-.00100**
Stddev	.00009	.00029	.00382	.00012	.00054	.00002	.00005	.00714	.00005	.00068	.00009
%RSD	1.7993	355.85	5.5048	4.6565	311.12	31.782	5.4502	2.2678	11.303	173.03	9.4509
#1	-.00469	.00029	-.06667	.00267	.00021	-.00008	-.00086	.30982	-.00045	.00087	-.00107
#2	-.00481	-.00012	-.07207	.00250	-.00055	-.00005	-.00093	.31992	-.00038	-.00009	-.00093
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	2.5000	50.000	1.0000	20.000	.50000	.50000	5.0000	.50000	1.0000	1.0000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02116**	F **-.00053**	F **-.00337**	F **-.01257**	F **-.00061**	F **-.00002**	**.00083**	F **.00027**	F **.00357**	**-.04939**	F **-.00068**
Stddev	.00160	.00003	.00180	.01240	.00014	.00002	.00126	.00015	.00142	.00134	.00004
%RSD	7.5470	6.3121	53.620	98.701	23.458	94.323	151.81	56.772	39.907	2.7148	6.4066
#1	.02003	-.00051	-.00464	-.02134	-.00071	-.00001	.00173	.00037	.00457	-.05034	-.00064
#2	.02229	-.00055	-.00209	-.00380	-.00051	-.00004	-.00006	.00016	.00256	-.04844	-.00071
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	None	Chk Fail
Value		1.0000	1.0000	5.0000	1.0000	.50000		.50000	1.0000		.50000
Range		-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%		-10.000%

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	F **-.00071**	F **.00490**
Stddev	.00005	.00126
%RSD	7.6139	25.692
#1	-.00068	.00401
#2	-.00075	.00579
Check ?	Chk Fail	Chk Fail
Value	.50000	.50000
Range	-10.000%	-10.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	5359.7	98934.	7877.1
Stddev	119.8	289.	1291.8
%RSD	2.2360	.29242	16.399
#1	5444.4	98729.	8790.6
#2	5275.0	99138.	6963.7

Sample Name: CCB Acquired: 8/27/2011 3:34:59 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00074**	W **.00548**	**.00070**	F **-.00226**	**-.00003**	**-.00216**	**-.01114**	W **-.00050**	**.00008**
Stddev	.00011	.00010	.00138	.00011	.00039	.00002	.00027	.00142	.00004	.00005
%RSD	97.581	13.748	25.154	15.036	17.103	47.665	12.258	12.790	7.6714	69.419
#1	.00003	.00067	.00450	.00078	-.00254	-.00002	-.00198	-.01013	-.00047	.00012
#2	.00019	.00081	.00645	.00063	-.00199	-.00004	-.00235	-.01215	-.00053	.00004
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass
High Limit			.00440		.00115				.00045	
Low Limit			-.00440		-.00115				-.00045	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	F **-.00483**	**-.00206**	**-.12281**	**.00214**	**-.00081**	**-.00004**	**-.00080**	F **.30549**	**-.00040**
Stddev	.00016	.00015	.00182	.01884	.00020	.00055	.00004	.00024	.00637	.00016
%RSD	73.481	3.1356	87.997	15.338	9.5583	67.636	80.087	29.804	2.0853	38.986
#1	.00011	-.00472	-.00078	-.13613	.00229	-.00119	-.00007	-.00063	.30999	-.00051
#2	.00033	-.00494	-.00335	-.10949	.00200	-.00042	-.00002	-.00097	.30099	-.00029
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		.00272							.10000	
Low Limit		-.00272							-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**-.00080**	**.01881**	**-.00113**	**-.00465**	**-.00642**	**-.00033**	**.00002**	**-.00007**	**.00016**
Stddev	.00136	.00085	.00461	.00062	.00361	.00881	.00057	.00006	.00085	.00006
%RSD	384.16	106.10	24.529	54.596	77.600	137.18	174.84	369.40	1267.9	33.747
#1	.00061	-.00140	.01555	-.00157	-.00721	-.01265	.00008	-.00003	.00054	.00012
#2	-.00132	-.00020	.02207	-.00069	-.00210	-.00019	-.00073	.00006	-.00067	.00020
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00402**	**-.03985**	**-.00106**	**-.00068**	W **.00398**
Stddev	.00065	.01032	.00020	.00002	.00098
%RSD	16.291	25.889	19.054	2.9837	24.614
#1	.00355	-.04714	-.00121	-.00066	.00329
#2	.00448	-.03255	-.00092	-.00069	.00468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					.00238
Low Limit					-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5277.8**	**98041.**	**7862.0**
Stddev	36.0	118.	1174.7
%RSD	.68238	.12004	14.941
#1	5303.3	98124.	8692.6
#2	5252.3	97957.	7031.4

Sample Name: CCVL946273 Acquired: 8/27/2011 3:37:34 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00045**	F **.00071**	F **.00724**	F **.00028**	F **-.00183**	F **-.00001**	F **-.00302**	F **-.01178**	F **-.00046**	F **.00014**	F **.00037**
Stddev	.00013	.00001	.00072	.00070	.00097	.00005	.00393	.00085	.00003	.00007	.00005
%RSD	29.749	1.5504	9.9464	254.80	52.978	645.77	130.12	7.2384	7.0812	52.550	12.366
#1	.00054	.00072	.00673	-.00022	-.00252	-.00004	-.00579	-.01118	-.00044	.00009	.00040
#2	.00035	.00071	.00775	.00077	-.00115	.00003	-.00024	-.01239	-.00048	.00019	.00034
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01000	.10000	.01500	.10000	.01000	.00100	.10000	.20000	.00500	.01000	.01000
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00469**	F **-.00271**	F **-.07921**	F **.00272**	F **.00058**	F **.00003**	F **-.00092**	F **.30905**	F **-.00056**	F **-.00078**	F **-.00079**
Stddev	.00023	.00240	.00566	.00065	.00181	.00001	.00009	.00668	.00001	.00001	.00065
%RSD	4.8638	88.449	7.1431	24.037	313.72	46.727	9.4070	2.1606	1.9959	1.8906	82.932
#1	-.00453	-.00101	-.08321	.00318	.00186	.00002	-.00086	.31378	-.00055	-.00079	-.00032
#2	-.00485	-.00440	-.07521	.00225	-.00070	.00004	-.00098	.30433	-.00056	-.00077	-.00125
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01500	.10000	3.0000	.01000	.20000	.01000	.02000	1.0000	.04000	3.0000	.00900
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02064**	F **-.00153**	F **-.00478**	F **-.01549**	F **-.00062**	F **.00002**	F **-.00051**	F **.00043**	F **.00300**	F **-.03783**	F **-.00083**
Stddev	.00289	.00051	.00164	.00097	.00002	.00008	.00087	.00007	.00029	.02318	.00004
%RSD	13.991	33.044	34.261	6.2948	3.6792	449.36	171.03	15.862	9.5402	61.278	4.7958
#1	.02268	-.00117	-.00594	-.01617	-.00061	.00008	.00011	.00038	.00320	-.05422	-.00080
#2	.01860	-.00189	-.00362	-.01480	-.00064	-.00004	-.00112	.00048	.00280	-.02144	-.00086
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value		.01000	.01500	.50000	.10000	.01000	.01500	.01000	.01500	.06000	.01000
Range		-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	F **-.00040**	F **.00573**
Stddev	.00021	.00085
%RSD	51.518	14.822
#1	-.00055	.00633
#2	-.00026	.00513
Check ?	Chk Fail	Chk Fail
Value	.02000	.01500
Range	-30.000%	-30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	5443.7	98490.	7477.8
Stddev	37.0	1773.	1597.5
%RSD	.67918	1.7999	21.363
#1	5417.5	97237.	8607.4
#2	5469.8	99744.	6348.2

Sample Name: mb 280-82950/1-a Acquired: 8/27/2011 3:40:11 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 89250 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**.00436**	W **.00618**	**.00033**	**-.00150**	**-.00003**	**-.00155**	**-.00848**	**-.00049**	**.00005**
Stddev	.00042	.00185	.00005	.00071	.00124	.00008	.00063	.00240	.00000	.00004
%RSD	49.747	42.499	.74896	215.11	82.702	264.79	40.896	28.361	.97126	90.811
#1	.00115	.00305	.00615	.00083	-.00238	.00003	-.00110	-.01018	-.00049	.00002
#2	.00055	.00567	.00621	-.00017	-.00062	-.00009	-.00200	-.00678	-.00049	.00008
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00500							
Low Limit			-.00500							

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00454**	**-.00116**	**-.04762**	**.00392**	**-.00217**	**.00000**	**-.00093**	**.29375**	**-.00048**
Stddev	.00013	.00007	.00057	.09008	.00700	.00068	.0001	.00004	.02477	.00001
%RSD	61.034	1.5203	49.669	189.19	178.56	31.219	3349.9	4.2006	8.4315	1.0481
#1	.00012	-.00449	-.00156	-.11131	-.00103	-.00169	.00004	-.00096	.31126	-.00048
#2	.00030	-.00459	-.00075	.01608	.00887	-.00265	-.00004	-.00091	.27623	-.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00149**	**.00111**	**.01940**	**-.00138**	W **-.00515**	**-.02022**	**-.00002**	**-.00001**	**-.00018**	**.00031**
Stddev	.00033	.00158	.00042	.00078	.00275	.00361	.00005	.00002	.00029	.00007
%RSD	22.266	142.35	2.1761	56.603	53.375	17.833	276.99	194.61	162.84	23.787
#1	-.00125	-.00001	.01969	-.00194	-.00321	-.02277	-.00005	.00000	-.00038	.00026
#2	-.00172	.00223	.01910	-.00083	-.00710	-.01767	.00002	-.00003	.00003	.00037
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00500					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00274**	W **-.05311**	**-.00113**	**-.00064**	W **.00616**
Stddev	.00046	.00734	.00016	.00023	.00108
%RSD	16.884	13.820	13.783	35.413	17.590
#1	.00241	-.05830	-.00102	-.00080	.00539
#2	.00307	-.04792	-.00124	-.00048	.00692
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn
High Limit		.05000			.00500
Low Limit		-.05000			-.00500

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5373.2**	**99362.**	**7132.5**
Stddev	7.4	1730.	1966.7
%RSD	.13847	1.7412	27.573
#1	5368.0	98138.	8523.2
#2	5378.5	100590.	5741.9

Sample Name: lcs 280-82950/2-a Acquired: 8/27/2011 3:42:52 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 89250 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00030**	F **.00006**	F **.00487**	F **.00036**	F **-.00247**	F **-.00001**	F **-.00165**	F **-.01168**	F **-.00054**	F **.00021**
Stddev	.00014	.00229	.00136	.00021	.00021	.00006	.00035	.00251	.00006	.00015
%RSD	46.047	3593.1	27.998	57.607	8.5495	1105.6	20.910	21.490	11.977	72.146
#1	.00040	.00169	.00390	.00051	-.00262	-.00005	-.00141	-.01346	-.00050	.00031
#2	.00020	-.00156	.00583	.00022	-.00232	.00004	-.00190	-.00991	-.00059	.00010
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	.05750	2.1600	1.0900	1.1000	2.2600	.05600	2.2000	55.000	.11000	.55000
Low Limit	.04300	1.7200	.86000	.89000	1.8000	.04400	1.8000	44.500	.08700	.44500

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00031**	F **-.00477**	F **-.00062**	F **-.07917**	F **.00262**	F **-.00106**	F **-.00002**	F **-.00101**	F **.30072**	F **-.00038**
Stddev	.00006	.00049	.00012	.04838	.00008	.00097	.00001	.00013	.00089	.00013
%RSD	20.525	10.309	18.901	61.107	3.2369	90.840	79.529	12.773	.29507	33.495
#1	.00027	-.00511	-.00070	-.11338	.00268	-.00038	-.00003	-.00110	.30135	-.00048
#2	.00036	-.00442	-.00053	-.04496	.00256	-.00174	-.00001	-.00092	.30010	-.00029
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	.26000	.28000	1.1400	57.000	1.1400	56.500	.55000	1.1000	56.000	.55500
Low Limit	.01800	.21500	.88000	44.500	.89000	46.000	.45000	.90000	45.500	.44500

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00108**	F **-.00126**	**.02094**	F **-.00069**	F **-.00414**	F **-.01341**	F **-.00039**	F **-.00003**	F **.00068**	F **.00017**
Stddev	.00368	.00048	.00052	.00105	.00101	.00144	.00041	.00009	.00012	.00004
%RSD	339.40	38.027	2.4984	151.64	24.319	10.760	104.21	309.46	18.245	24.194
#1	-.00368	-.00160	.02057	-.00143	-.00343	-.01444	-.00068	-.00009	.00059	.00020
#2	.00152	-.00092	.02131	.00005	-.00485	-.01239	-.00010	.00003	.00077	.00014
Check ?	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	11.100	.54500		.54000	2.2000	11.500	2.2600	1.1000	1.1500	1.1000
Low Limit	9.1000	.44500		.44000	1.8000	9.4000	1.7000	.91000	.85000	.90000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **.00351**	F **-.04658**	F **-.00096**	F **-.00060**	F **.00700**
Stddev	.00080	.01120	.00031	.00027	.00213
%RSD	22.700	24.037	32.105	45.367	30.460
#1	.00407	-.05450	-.00074	-.00041	.00851
#2	.00295	-.03866	-.00118	-.00079	.00549
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	2.1600	2.3200	.56000	.55000	.62500
Low Limit	1.7600	1.7000	.44000	.42500	.37500

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5199.8**	**98201.**	**7951.7**
Stddev	117.5	899.	952.8
%RSD	2.2590	.91583	11.982
#1	5282.9	98837.	8625.4
#2	5116.7	97566.	7278.0

Sample Name: 280-19459-d-1-a Acquired: 8/27/2011 3:45:29 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 89250 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00050	.00096	.00585	.00002	-.00203	.00001	-.00327	-.01012	-.00044	.00004
Stddev	.00043	.00209	.00051	.00007	.00079	.00001	.00012	.00213	.00016	.00003
%RSD	86.169	219.21	8.6744	386.40	38.929	63.721	3.8099	21.049	36.014	75.822
#1	.00081	-.00053	.00549	-.00003	-.00258	.00001	-.00336	-.01162	-.00033	.00005
#2	.00020	.00244	.00620	.00007	-.00147	.00001	-.00319	-.00861	-.00055	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	-.00441	-.00043	-.08286	.00134	-.00139	.00001	-.00093	.29884	-.00049
Stddev	.00008	.00010	.00274	.01038	.00057	.00053	.00001	.00009	.00430	.00003
%RSD	32.574	2.3475	642.37	12.523	42.698	37.886	61.807	9.3024	1.4394	7.0970
#1	.00029	-.00448	.00151	-.09020	.00174	-.00102	.00001	-.00099	.29579	-.00051
#2	.00018	-.00434	-.00237	-.07552	.00094	-.00176	.00001	-.00087	.30188	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00015	-.00087	.02064	-.00201	W -.00541	-.01476	-.00030	.00006	-.00066	.00026
Stddev	.00046	.00055	.00039	.00019	.00139	.00194	.00017	.00014	.00035	.00032
%RSD	297.99	63.721	1.8707	9.2653	25.707	13.109	57.939	262.95	53.325	126.03
#1	-.00017	-.00048	.02091	-.00188	-.00443	-.01339	-.00018	-.00005	-.00041	.00003
#2	.00048	-.00126	.02037	-.00214	-.00640	-.01613	-.00042	.00016	-.00091	.00049
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00295	-.04498	-.00114	-.00061	.00627
Stddev	.00052	.02201	.00012	.00030	.00006
%RSD	17.548	48.931	10.079	49.891	1.0173
#1	.00258	-.02942	-.00106	-.00082	.00631
#2	.00331	-.06054	-.00122	-.00039	.00622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5302.8	99351.	7690.6
Stddev	166.8	2490.	1302.2
%RSD	3.1457	2.5063	16.932
#1	5420.8	97591.	8611.4
#2	5184.9	101110.	6769.8

Sample Name: 280-19474-i-1-a Acquired: 8/27/2011 3:48:05 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 89250 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00037	.00062	.00644	-.00006	-.00189	-.00006	-.00148	-.01086	-.00069	.00004
Stddev	.00049	.00070	.00220	.00051	.00063	.00003	.00072	.00402	.00000	.00005
%RSD	131.99	113.22	34.211	819.62	33.330	56.460	48.642	37.020	.28525	129.43
#1	.00002	.00112	.00800	.00030	-.00234	-.00003	-.00097	-.01370	-.00069	.00007
#2	.00071	.00012	.00488	-.00043	-.00145	-.00008	-.00200	-.00801	-.00069	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00026	-.00475	.00063	-.04827	.00263	.00004	-.00001	-.00090	.28125	-.00063
Stddev	.00001	.00013	.00053	.05255	.00071	.00111	.00005	.00008	.01566	.00006
%RSD	2.2004	2.7003	84.468	108.87	26.866	2658.9	839.81	9.0478	5.5676	8.8477
#1	.00027	-.00465	.00101	-.08543	.00313	.00083	-.00004	-.00085	.29232	-.00067
#2	.00026	-.00484	.00025	-.01111	.00213	-.00074	.00003	-.00096	.27017	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00019	-.00176	.01815	-.00004	W -.00763	-.01527	-.00013	-.00005	-.00017	-.00002
Stddev	.00120	.00034	.00060	.00021	.00009	.00037	.00016	.00010	.00157	.00013
%RSD	650.26	19.224	3.3234	600.05	1.2301	2.3971	123.01	205.72	898.93	620.87
#1	-.00104	-.00200	.01858	-.00018	-.00757	-.01553	-.00024	.00002	-.00129	.00007
#2	.00067	-.00152	.01773	.00011	-.00770	-.01502	-.00002	-.00012	.00094	-.00011
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00267	W -.05016	-.00125	-.00066	.00537
Stddev	.00034	.01626	.00012	.00007	.00013
%RSD	12.653	32.420	9.2818	10.266	2.3455
#1	.00291	-.03866	-.00133	-.00061	.00546
#2	.00243	-.06166	-.00117	-.00071	.00528
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5199.9	96317.	7546.2
Stddev	53.1	893.	1396.2
%RSD	1.0205	.92672	18.502
#1	5237.4	95686.	8533.5
#2	5162.4	96948.	6559.0

Sample Name: 280-19474-i-1-aSD@5 Acquired: 8/27/2011 3:50:42 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 89250 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00064	.00056	.00520	.00015	-.00163	-.00005	-.00349	-.00878	-.00055	.00007
Stddev	.00040	.00114	.00109	.00006	.00115	.00001	.00008	.00447	.00000	.00002
%RSD	61.693	202.81	21.006	38.995	70.585	17.634	2.2160	50.938	.67159	30.501
#1	.00036	.00137	.00443	.00019	-.00245	-.00004	-.00343	-.01194	-.00055	.00009
#2	.00092	-.00024	.00598	.00011	-.00082	-.00005	-.00354	-.00562	-.00055	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00028	-.00504	.00009	-.05998	.00428	-.00046	-.00006	-.00107	.28511	-.00050
Stddev	.00016	.00021	.00091	.03049	.00270	.00047	.00000	.00014	.01746	.00005
%RSD	59.375	4.2643	1011.4	50.833	62.968	102.68	1.4280	12.995	6.1247	10.107
#1	.00016	-.00519	.00073	-.08154	.00238	-.00080	-.00006	-.00097	.29746	-.00046
#2	.00039	-.00489	-.00055	-.03842	.00619	-.00013	-.00006	-.00117	.27277	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00107	-.00026	.01976	-.00155	-.00471	-.00671	-.00068	.00001	-.00018	.00026
Stddev	.00237	.00192	.00147	.00117	.00057	.01316	.00048	.00002	.00068	.00018
%RSD	220.68	741.85	7.4372	75.284	12.162	196.13	70.905	286.25	373.59	68.744
#1	.00060	.00110	.02080	-.00072	-.00431	-.01602	-.00102	.00002	-.00066	.00013
#2	-.00275	-.00162	.01872	-.00237	-.00512	.00260	-.00034	-.00001	.00030	.00038
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00335	W -.05045	-.00101	-.00076	.00372
Stddev	.00022	.01141	.00004	.00007	.00097
%RSD	6.4265	22.609	4.1342	9.7993	26.072
#1	.00350	-.04239	-.00104	-.00081	.00441
#2	.00320	-.05852	-.00098	-.00071	.00304
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5336.3	99997.	7326.7
Stddev	59.1	123.	1732.5
%RSD	1.1080	.12316	23.646
#1	5378.1	99910.	8551.8
#2	5294.5	100080.	6101.7

Sample Name: 280-19474-i-1-b ms Acquired: 8/27/2011 3:53:19 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 89250 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00038	.00005	.00438	-.00001	-.00194	-.00004	-.00084	-.00806	-.00057	.00007
Stddev	.00095	.00046	.00097	.00003	.00069	.00003	.00038	.00225	.00006	.00014
%RSD	251.48	929.64	22.145	271.39	35.421	75.761	44.811	27.925	11.032	210.40
#1	-.00029	-.00027	.00369	-.00003	-.00242	-.00002	-.00057	-.00965	-.00062	.00017
#2	.00105	.00037	.00507	.00001	-.00145	-.00006	-.00111	-.00647	-.00053	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00035	-.00484	.00044	-.08781	.00037	-.00065	.00000	-.00081	.27435	-.00060
Stddev	.00009	.00038	.00108	.01468	.00084	.00004	.0000	.00015	.02660	.00030
%RSD	26.035	7.7703	243.79	16.714	223.27	5.4415	1080.2	18.975	9.6971	50.386
#1	.00042	-.00457	.00121	-.07743	-.00022	-.00062	.00001	-.00092	.29317	-.00039
#2	.00029	-.00510	-.00032	-.09819	.00097	-.00067	-.00001	-.00070	.25554	-.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00027	-.00174	.02071	-.00103	-.00469	-.02054	-.00012	-.00004	.00054	.00045
Stddev	.00041	.00010	.00074	.00174	.00086	.00771	.00025	.00011	.00041	.00018
%RSD	152.86	5.4720	3.5744	169.74	18.301	37.539	201.91	244.76	77.001	39.138
#1	.00002	-.00181	.02019	-.00226	-.00530	-.02599	.00005	.00003	.00083	.00033
#2	-.00055	-.00167	.02123	.00021	-.00408	-.01509	-.00030	-.00012	.00025	.00057
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00320	-.03688	-.00139	-.00049	.00564
Stddev	.00056	.00169	.00048	.00016	.00036
%RSD	17.415	4.5904	34.477	33.344	6.3827
#1	.00280	-.03568	-.00173	-.00037	.00590
#2	.00359	-.03808	-.00105	-.00061	.00539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5398.3	97815.	7693.4
Stddev	4.8	2830.	1405.1
%RSD	.08806	2.8928	18.264
#1	5401.6	99816.	8686.9
#2	5394.9	95814.	6699.8

Sample Name: 280-19474-i-1-c msd Acquired: 8/27/2011 3:55:55 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 89250 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00105**	**.00604**	**-.00005**	**-.00113**	**-.00002**	**-.00121**	**-.00904**	**-.00049**	**.00033**
Stddev	.00024	.00103	.00054	.00021	.00084	.00002	.00183	.00368	.00007	.00022
%RSD	49.670	98.048	9.0157	429.60	74.384	124.32	150.52	40.716	13.434	67.236
#1	.00032	.00178	.00643	-.00020	-.00173	.00000	.00008	-.01164	-.00044	.00048
#2	.00066	.00032	.00566	.00010	-.00054	-.00003	-.00251	-.00644	-.00054	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00474**	**.00063**	**-.04761**	**.00763**	**.00053**	**-.00003**	**-.00103**	**.26447**	**-.00047**
Stddev	.00001	.00011	.00016	.07184	.00093	.00074	.00003	.00039	.00948	.00031
%RSD	4.8244	2.3198	24.847	150.88	12.152	138.21	104.33	38.289	3.5864	66.986
#1	.00024	-.00482	.00074	-.09841	.00697	.00105	-.00001	-.00131	.27117	-.00069
#2	.00026	-.00467	.00052	.00319	.00828	.00001	-.00004	-.00075	.25776	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**-.00031**	**.02220**	**-.00052**	**-.00494**	**-.01123**	**.00007**	**-.00003**	**.00050**	**.00020**
Stddev	.00170	.00079	.00279	.00029	.00184	.00630	.00047	.00001	.00169	.00007
%RSD	1768.4	254.39	12.554	54.869	37.185	56.149	689.52	52.397	336.18	36.911
#1	.00110	.00025	.02417	-.00072	-.00624	-.00677	.00040	-.00002	.00170	.00025
#2	-.00130	-.00087	.02023	-.00032	-.00364	-.01569	-.00026	-.00003	-.00069	.00015
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00374**	**-.04766**	**-.00134**	**-.00069**	**.00185**
Stddev	.00053	.00189	.00024	.00021	.00050
%RSD	14.182	3.9628	18.046	30.879	27.009
#1	.00412	-.04900	-.00152	-.00084	.00149
#2	.00337	-.04633	-.00117	-.00054	.00220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5295.3**	**100100.**	**6492.5**
Stddev	52.6	1998.	1053.2
%RSD	.99410	1.9954	16.221
#1	5332.5	98692.	7237.2
#2	5258.1	101520.	5747.8

Sample Name: 280-19474-e-2-a Acquired: 8/27/2011 3:58:33 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 89250 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00036	.00055	.00653	-.00032	-.00192	-.00005	-.00092	-.01032	-.00045	.00009
Stddev	.00034	.00043	.00220	.00067	.00108	.00004	.00171	.00010	.00001	.00008
%RSD	93.752	78.856	33.737	209.37	56.164	82.815	186.25	.93371	2.3741	82.180
#1	.00060	.00024	.00809	-.00079	-.00269	-.00002	-.00213	-.01026	-.00044	.00015
#2	.00012	.00085	.00497	.00015	-.00116	-.00008	.00029	-.01039	-.00045	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00020	-.00491	-.00095	-.08494	.00038	-.00045	.00000	-.00112	.26706	-.00012
Stddev	.00014	.00049	.00095	.05897	.00276	.00042	.0000	.00001	.01649	.00016
%RSD	66.837	10.009	99.576	69.431	722.24	93.543	675.67	.54984	6.1752	136.56
#1	.00011	-.00526	-.00162	-.12664	-.00157	-.00015	.00002	-.00112	.27873	-.00023
#2	.00030	-.00457	-.00028	-.04324	.00233	-.00075	-.00003	-.00111	.25540	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00050	-.00078	.01897	-.00155	W -.00626	-.01348	-.00049	.00004	.00016	.00007
Stddev	.00053	.00031	.00428	.00139	.00083	.01152	.00043	.00002	.00004	.00002
%RSD	105.27	39.788	22.581	89.300	13.194	85.416	87.600	54.829	27.086	28.879
#1	-.00013	-.00099	.01594	-.00057	-.00684	-.00534	-.00019	.00005	.00013	.00009
#2	-.00088	-.00056	.02200	-.00253	-.00567	-.02163	-.00080	.00002	.00020	.00006
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00336	W -.06218	-.00108	-.00068	.00381
Stddev	.00032	.01111	.00039	.00017	.00074
%RSD	9.3867	17.866	35.967	24.460	19.356
#1	.00359	-.05432	-.00135	-.00056	.00433
#2	.00314	-.07003	-.00080	-.00079	.00329
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5251.2	95748.	7556.7
Stddev	122.6	6.	1529.7
%RSD	2.3338	.00596	20.243
#1	5337.9	95744.	8638.3
#2	5164.5	95753.	6475.0

Sample Name: 280-19474-e-3-a Acquired: 8/27/2011 4:01:09 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 89250 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00100**	**.00356**	**-.00030**	**-.00140**	**-.00004**	**-.00198**	**-.01110**	**-.00047**	**.00023**
Stddev	.00028	.00111	.00136	.00015	.00122	.00000	.00028	.00304	.00006	.00019
%RSD	47.808	110.93	38.247	50.100	87.615	8.7083	14.113	27.401	11.925	79.911
#1	.00077	.00022	.00260	-.00020	-.00226	-.00004	-.00218	-.01325	-.00051	.00037
#2	.00038	.00178	.00453	-.00041	-.00053	-.00004	-.00179	-.00895	-.00043	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00495**	**-.00052**	**-.06057**	**.00184**	**-.00192**	**-.00003**	**-.00094**	**.25579**	**-.00021**
Stddev	.00007	.00011	.00074	.01473	.00103	.00286	.00001	.00005	.01680	.00019
%RSD	35.239	2.2065	140.51	24.322	55.981	149.27	19.587	5.6771	6.5691	93.747
#1	.00025	-.00502	-.00105	-.07099	.00257	-.00394	-.00003	-.00090	.26767	-.00034
#2	.00015	-.00487	.00000	-.05015	.00111	.00011	-.00003	-.00098	.24391	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**-.00012**	**.01873**	**-.00181**	W **-.00528**	**-.02587**	**-.00102**	**-.00005**	**.00006**	**.00035**
Stddev	.00227	.00005	.00235	.00009	.00305	.01273	.00027	.00016	.00140	.00004
%RSD	1153.8	43.952	12.539	4.7294	57.739	49.211	26.246	301.76	2395.5	11.716
#1	.00141	-.00008	.01707	-.00187	-.00744	-.01687	-.00121	.00006	-.00093	.00032
#2	-.00180	-.00016	.02039	-.00175	-.00313	-.03487	-.00083	-.00016	.00105	.00037
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00391**	**-.04152**	**-.00112**	**-.00075**	**.00575**
Stddev	.00025	.00699	.00030	.00004	.00069
%RSD	6.4222	16.841	27.114	4.9058	12.034
#1	.00408	-.03657	-.00090	-.00072	.00624
#2	.00373	-.04646	-.00133	-.00077	.00526
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5165.8**	**98654.**	**7130.0**
Stddev	42.2	633.	1581.7
%RSD	.81669	.64146	22.183
#1	5195.7	99101.	8248.5
#2	5136.0	98206.	6011.6

Sample Name: 280-19474-e-4-a Acquired: 8/27/2011 4:03:46 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 89250 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.00091**	**.00739**	**-.00042**	**-.00259**	**-.00001**	**-.00166**	**-.01106**	**-.00051**	**.00013**
Stddev	.00018	.00050	.00079	.00008	.00006	.00000	.00031	.00037	.00004	.00003
%RSD	28.207	54.844	10.650	18.537	2.2863	13.438	18.438	3.3158	7.8610	25.082
#1	.00050	.00127	.00794	-.00047	-.00254	-.00001	-.00187	-.01132	-.00054	.00010
#2	.00075	.00056	.00683	-.00036	-.00263	-.00001	-.00144	-.01080	-.00049	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**-.00435**	**-.00082**	**-.12663**	**.00140**	**-.00037**	**-.00004**	**-.00096**	**.29359**	**-.00047**
Stddev	.00008	.00022	.00104	.01458	.00291	.00169	.00004	.00008	.00231	.00027
%RSD	29.744	5.0681	126.78	11.516	207.56	452.37	90.320	8.0841	.78584	56.863
#1	.00033	-.00419	-.00009	-.11631	.00345	-.00157	-.00007	-.00102	.29196	-.00028
#2	.00022	-.00450	-.00156	-.13694	-.00065	.00082	-.00001	-.00091	.29522	-.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00216**	**-.00156**	**.02007**	**-.00002**	W **-.00529**	**-.01438**	**-.00037**	**.00001**	**-.00004**	**.00022**
Stddev	.00133	.00010	.00110	.00052	.00176	.01307	.00053	.00006	.00125	.00015
%RSD	61.473	6.1722	5.4732	2401.9	33.203	90.897	143.84	509.29	3107.2	67.728
#1	-.00122	-.00149	.01929	-.00039	-.00405	-.02362	-.00075	.00005	-.00093	.00033
#2	-.00310	-.00163	.02085	.00035	-.00653	-.00514	.00001	-.00003	.00085	.00012
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00343**	W **-.05935**	**-.00100**	**-.00042**	**.00634**
Stddev	.00109	.01648	.00053	.00001	.00104
%RSD	31.592	27.773	53.004	1.3670	16.406
#1	.00420	-.04769	-.00137	-.00043	.00561
#2	.00267	-.07100	-.00062	-.00042	.00708
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5220.2**	**96642.**	**8382.6**
Stddev	56.8	1320.	161.6
%RSD	1.0879	1.3662	1.9283
#1	5260.4	95708.	8496.9
#2	5180.1	97575.	8268.3

Sample Name: CCVH-940568 Acquired: 8/27/2011 4:06:23 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00033**	**.00803**	**-.00013**	**-.00227**	**-.00001**	F **-.00201**	**-.01184**	**-.00063**	**.00009**	**.00035**
Stddev	.00036	.00097	.00153	.00015	.00030	.00003	.00346	.00017	.00018	.00006	.00005
%RSD	38068.	291.58	19.076	111.10	13.019	549.32	172.00	1.4746	28.047	66.075	15.387
#1	-.00025	.00035	.00912	-.00024	-.00248	-.00003	-.00446	-.01196	-.00075	.00013	.00039
#2	.00026	-.00101	.00695	-.00003	-.00206	.00002	.00043	-.01172	-.00050	.00005	.00031
Check ?	None	None	None	None	None	None	Chk Fail	None	None	None	None
Value							1.0000				
Range							-10.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00455**	F **-.00042**	**-.12084**	**.00089**	**-.00079**	**.00000**	**-.00110**	**.28731**	**-.00030**	**-.00029**	**-.00118**
Stddev	.00016	.00152	.01171	.00121	.00063	.0000	.00015	.00363	.00025	.00033	.00167
%RSD	3.5657	363.35	9.6868	136.18	79.401	569.22	13.884	1.2641	83.492	116.83	141.41
#1	-.00467	.00066	-.11256	.00174	-.00035	.00000	-.00121	.28475	-.00048	-.00052	.00000
#2	-.00444	-.00149	-.12912	.00003	-.00123	-.00001	-.00099	.28988	-.00012	-.00005	-.00237
Check ?	None	Chk Fail	None	None	None	None	None	None	None	None	None
Value		50.000									
Range		-10.000%									

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01504**	**-.00168**	**-.00648**	**-.00824**	**-.00047**	**-.00002**	F **.00082**	**.00014**	**.00285**	F **-.03300**	**-.00087**
Stddev	.00504	.00050	.00244	.00160	.00066	.00011	.00037	.00017	.00110	.00467	.00083
%RSD	33.541	29.730	37.607	19.450	140.66	631.58	45.554	121.86	38.730	14.158	96.088
#1	.01861	-.00203	-.00476	-.00938	-.00094	.00006	.00108	.00027	.00363	-.02969	-.00028
#2	.01147	-.00133	-.00820	-.00711	.00000	-.00009	.00055	.00002	.00207	-.03630	-.00145
Check ?	None	None	None	None	None	None	Chk Fail	None	None	Chk Fail	None
Value							5.0000			10.000	
Range							-10.000%			-10.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00069**	**.00567**
Stddev	.00027	.00005
%RSD	39.808	.91880
#1	-.00049	.00563
#2	-.00088	.00571
Check ?	None	None
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5163.2**	**96918.**	**8501.1**
Stddev	90.4	2234.	387.3
%RSD	1.7510	2.3054	4.5554
#1	5227.2	95338.	8775.0
#2	5099.3	98498.	8227.3

Sample Name: CCV-940591 Acquired: 8/27/2011 4:09:00 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00075**	F **.00091**	F **.00478**	F **-.00039**	F **-.00180**	F **-.00004**	**-.00341**	F **-.01093**	F **-.00061**	F **-.00002**	F **.00036**
Stddev	.00032	.00040	.00112	.00004	.00093	.00005	.00002	.00116	.00002	.00004	.00014
%RSD	42.517	43.785	23.386	9.7602	51.666	133.03	.45273	10.654	3.6731	187.83	38.203
#1	.00052	.00063	.00399	-.00042	-.00246	.00000	-.00342	-.01175	-.00060	-.00005	.00045
#2	.00097	.00119	.00557	-.00036	-.00114	-.00007	-.00340	-.01010	-.00063	.00001	.00026
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	.50000	1.0000	.50000	.50000	.50000		5.0000	.50000	.50000	.50000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%	-10.000%	-10.000%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00459**	F **-.00158**	F **-.12174**	F **.00186**	F **-.00146**	F **-.00005**	F **-.00113**	F **.27324**	F **-.00048**	F **-.00099**	F **-.00143**
Stddev	.00021	.00160	.01837	.00351	.00140	.00000	.00016	.00519	.00004	.00040	.00041
%RSD	4.5713	101.25	15.089	188.86	96.281	1.2579	13.836	1.8997	8.5133	39.924	28.855
#1	-.00474	-.00271	-.13472	-.00062	-.00245	-.00005	-.00102	.26957	-.00051	-.00128	-.00113
#2	-.00444	-.00045	-.10875	.00434	-.00047	-.00005	-.00124	.27691	-.00045	-.00071	-.00172
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	2.5000	50.000	1.0000	20.000	.50000	.50000	5.0000	.50000	1.0000	1.0000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01879**	F **-.00123**	F **-.00476**	F **-.01302**	F **-.00016**	F **-.00001**	**.00013**	F **.00028**	F **.00378**	**-.05500**	F **-.00095**
Stddev	.00238	.00190	.00173	.00669	.00037	.00001	.00108	.00008	.00007	.00314	.00011
%RSD	12.638	154.38	36.370	51.367	232.48	162.39	846.27	27.566	1.8953	5.7093	11.913
#1	.02047	-.00258	-.00354	-.01775	-.00042	.00000	-.00064	.00023	.00373	-.05278	-.00103
#2	.01711	.00011	-.00599	-.00829	.00010	-.00002	.00089	.00034	.00383	-.05722	-.00087
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	None	Chk Fail
Value		1.0000	1.0000	5.0000	1.0000	.50000		.50000	1.0000		.50000
Range		-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%		-10.000%

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	F **-.00068**	F **.00585**
Stddev	.00006	.00270
%RSD	9.1923	46.081
#1	-.00072	.00776
#2	-.00063	.00395
Check ?	Chk Fail	Chk Fail
Value	.50000	.50000
Range	-10.000%	-10.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	5497.6	99324.	7484.8
Stddev	162.2	6276.	1688.0
%RSD	2.9503	6.3184	22.553
#1	5612.3	94887.	8678.4
#2	5382.9	103760.	6291.2

Sample Name: CCB Acquired: 8/27/2011 4:11:36 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00049**	W **.00520**	**-.00035**	F **-.00151**	**-.00005**	**-.00397**	**-.01050**	W **-.00056**	**.00005**
Stddev	.00025	.00083	.00388	.00015	.00138	.00001	.00051	.00116	.00010	.00021
%RSD	101.31	168.42	74.643	43.323	91.540	21.601	12.849	11.075	17.339	392.99
#1	.00042	-.00009	.00795	-.00025	-.00249	-.00004	-.00433	-.01133	-.00063	.00020
#2	.00007	.00108	.00246	-.00046	-.00053	-.00006	-.00361	-.00968	-.00049	-.00009
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass
High Limit			.00440		.00115				.00045	
Low Limit			-.00440		-.00115				-.00045	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	F **-.00465**	**.00080**	**-.06708**	W **.00392**	**.00084**	**-.00002**	**-.00085**	F **.25880**	**-.00023**
Stddev	.00014	.00030	.00060	.01441	.00418	.00098	.00006	.00004	.02474	.00010
%RSD	49.658	6.3432	75.301	21.484	106.66	116.26	289.81	4.9946	9.5597	43.065
#1	.00039	-.00445	.00037	-.07728	.00096	.00015	.00002	-.00082	.27629	-.00030
#2	.00019	-.00486	.00122	-.05689	.00687	.00154	-.00006	-.00088	.24130	-.00016
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		.00272			.00261				.10000	
Low Limit		-.00272			-.00261				-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00238**	**-.00033**	**.01855**	**-.00092**	**-.00417**	**-.01257**	**-.00050**	**.00001**	**-.00016**	**.00016**
Stddev	.00004	.00052	.00126	.00126	.00142	.01603	.00041	.00013	.00235	.00040
%RSD	1.4809	159.43	6.7955	136.31	34.084	127.51	81.471	1412.9	1466.2	250.07
#1	-.00235	.00004	.01944	-.00181	-.00317	-.02390	-.00079	-.00008	-.00182	-.00012
#2	-.00240	-.00069	.01766	-.00003	-.00518	-.00124	-.00021	.00010	.00150	.00045
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00351**	F **-.05424**	**-.00097**	**-.00057**	F **.00599**
Stddev	.00045	.03199	.00028	.00006	.00123
%RSD	12.726	58.968	29.022	11.098	20.567
#1	.00383	-.03163	-.00077	-.00053	.00687
#2	.00319	-.07686	-.00117	-.00062	.00512
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit		.05000			.00476
Low Limit		-.05000			-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5287.3**	**99159.**	**7413.2**
Stddev	73.4	9888.	1806.5
%RSD	1.3890	9.9720	24.369
#1	5339.2	92167.	8690.6
#2	5235.3	106150.	6135.8

Sample Name: CCVL946273 Acquired: 8/27/2011 4:14:14 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00033**	F **-.00017**	F **.00442**	F **-.00020**	F **-.00163**	F **-.00009**	F **-.00117**	F **-.01048**	F **-.00054**	F **-.00008**	F **.00027**
Stddev	.00052	.00025	.00258	.00000	.00086	.00002	.00108	.00193	.00001	.00015	.00007
%RSD	160.31	150.98	58.290	.58935	52.538	20.633	91.911	18.423	2.0993	183.65	27.366
#1	.00069	-.00034	.00625	-.00020	-.00224	-.00008	-.00041	-.01184	-.00053	.00003	.00022
#2	-.00004	.00001	.00260	-.00020	-.00103	-.00010	-.00194	-.00911	-.00055	-.00019	.00033
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01000	.10000	.01500	.10000	.01000	.00100	.10000	.20000	.00500	.01000	.01000
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00447**	F **.00052**	F **-.10286**	F **.00381**	F **-.00024**	F **-.00002**	F **-.00090**	F **.26125**	F **-.00030**	F **.00056**	F **-.00117**
Stddev	.00004	.00332	.03679	.00291	.00218	.00002	.00002	.02747	.00000	.00001	.00026
%RSD	.98503	632.49	35.771	76.361	921.95	111.20	1.7006	10.514	.90335	2.4386	22.447
#1	-.00443	-.00182	-.12888	.00175	-.00177	-.00004	-.00092	.28067	-.00030	.00057	-.00135
#2	-.00450	.00287	-.07684	.00586	.00130	.00000	-.00089	.24183	-.00030	.00055	-.00098
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01500	.10000	3.0000	.01000	.20000	.01000	.02000	1.0000	.04000	3.0000	.00900
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01783**	F **-.00086**	F **-.00790**	F **-.01858**	F **-.00032**	F **.00002**	F **-.00001**	F **.00010**	F **.00274**	F **-.05123**	F **-.00074**
Stddev	.00014	.00115	.00210	.00640	.00024	.00001	.00094	.00011	.00068	.01215	.00026
%RSD	.78556	133.78	26.551	34.442	72.944	34.552	8884.7	109.33	24.867	23.722	35.572
#1	.01793	-.00167	-.00938	-.02310	-.00049	.00003	.00066	.00018	.00322	-.05983	-.00055
#2	.01773	-.00005	-.00641	-.01405	-.00016	.00002	-.00068	.00002	.00226	-.04264	-.00093
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value		.01000	.01500	.50000	.10000	.01000	.01500	.01000	.01500	.06000	.01000
Range		-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	F **-.00051**	F **.00677**
Stddev	.00006	.00054
%RSD	12.519	8.0168
#1	-.00047	.00639
#2	-.00056	.00715
Check ?	Chk Fail	Chk Fail
Value	.02000	.01500
Range	-30.000%	-30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5283.8**	**96636.**	**7621.0**
Stddev	121.6	876.	1589.3
%RSD	2.3012	.90610	20.854
#1	5369.8	96017.	8744.8
#2	5197.8	97255.	6497.2

Sample Name: 280-19492-j-1-a Acquired: 8/27/2011 4:16:50 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 89250 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00047**	**.00617**	**-.00054**	**-.00215**	**-.00005**	**-.00143**	**-.01228**	**-.00042**	**.00018**
Stddev	.00008	.00017	.00049	.00012	.00036	.00001	.00132	.00016	.00012	.00002
%RSD	14.432	36.746	7.9829	22.627	16.686	22.545	92.545	1.2887	27.639	13.901
#1	.00052	.00059	.00652	-.00063	-.00240	-.00006	-.00236	-.01217	-.00034	.00016
#2	.00064	.00035	.00582	-.00046	-.00189	-.00004	-.00049	-.01239	-.00051	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**-.00479**	**.00083**	**-.09504**	**.00179**	**-.00113**	**-.00001**	**-.00097**	**.26658**	**-.00035**
Stddev	.00007	.00012	.00039	.01730	.00218	.00062	.00001	.00017	.01423	.00013
%RSD	21.056	2.4485	47.069	18.207	121.68	54.959	147.24	17.948	5.3385	37.412
#1	.00028	-.00487	.00111	-.10727	.00025	-.00157	-.00001	-.00085	.25652	-.00026
#2	.00038	-.00471	.00055	-.08280	.00334	-.00069	.00000	-.00109	.27665	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00139**	**-.00149**	**.01835**	**-.00020**	W **-.00606**	**-.02329**	**-.00070**	**.00005**	**-.00109**	**.00045**
Stddev	.00018	.00026	.00111	.00103	.00041	.00703	.00015	.00011	.00021	.00025
%RSD	13.110	17.243	6.0355	507.96	6.8043	30.207	21.419	211.16	19.057	55.031
#1	-.00151	-.00167	.01757	.00053	-.00635	-.01831	-.00059	.00013	-.00123	.00028
#2	-.00126	-.00131	.01913	-.00093	-.00576	-.02826	-.00080	-.00003	-.00094	.00063
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00405**	W **-.05421**	**-.00095**	**-.00082**	**.00567**
Stddev	.00012	.00615	.00010	.00010	.00002
%RSD	2.9488	11.344	10.806	12.814	.39350
#1	.00397	-.04986	-.00088	-.00089	.00569
#2	.00413	-.05856	-.00103	-.00074	.00566
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5323.5**	**98113.**	**8040.6**
Stddev	74.5	268.	858.3
%RSD	1.3994	.27299	10.675
#1	5270.9	97923.	8647.6
#2	5376.2	98302.	7433.7

Sample Name: 280-19493-h-1-a Acquired: 8/27/2011 4:19:25 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 89250 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00040	.00032	.00670	-.00060	-.00168	-.00003	-.00176	-.00942	-.00052	.00011
Stddev	.00039	.00100	.00098	.00054	.00152	.00003	.00052	.00272	.00017	.00011
%RSD	98.732	310.85	14.603	89.558	90.386	113.20	29.552	28.891	32.439	102.24
#1	.00067	.00103	.00601	-.00022	-.00275	-.00001	-.00212	-.01134	-.00063	.00019
#2	.00012	-.00039	.00739	-.00098	-.00061	-.00005	-.00139	-.00749	-.00040	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00020	-.00465	-.00012	-.11886	.00208	-.00015	-.00002	-.00093	.24863	-.00051
Stddev	.00018	.00014	.00081	.01920	.00499	.00024	.00003	.00008	.01996	.00003
%RSD	94.578	2.9763	661.05	16.151	240.51	158.08	155.27	8.7741	8.0299	6.4675
#1	.00033	-.00474	.00045	-.13244	-.00145	-.00033	.00000	-.00099	.26275	-.00049
#2	.00006	-.00455	-.00070	-.10529	.00561	.00002	-.00004	-.00087	.23451	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00088	.00007	.01799	-.00068	W -.00618	-.01677	-.00047	.00007	-.00016	.00029
Stddev	.00043	.00029	.00143	.00032	.00067	.01415	.00030	.00010	.00026	.00003
%RSD	49.085	394.80	7.9476	46.209	10.891	84.403	63.190	156.31	159.05	11.486
#1	-.00057	.00027	.01900	-.00091	-.00666	-.02677	-.00068	-.00001	-.00034	.00026
#2	-.00118	-.00013	.01698	-.00046	-.00570	-.00676	-.00026	.00014	.00002	.00031
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00418	W -.05983	-.00105	-.00041	.00445
Stddev	.00044	.00588	.00021	.00015	.00271
%RSD	10.403	9.8263	19.686	37.482	60.785
#1	.00449	-.06399	-.00091	-.00051	.00637
#2	.00388	-.05568	-.00120	-.00030	.00254
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5258.3	100390.	7234.0
Stddev	76.2	2028.	1954.0
%RSD	1.4491	2.0195	27.012
#1	5312.2	98959.	8615.7
#2	5204.4	101830.	5852.3

Sample Name: 280-19493-h-2-a Acquired: 8/27/2011 4:22:03 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 89250 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**-.00011**	**.00547**	**-.00050**	**-.00208**	**.00000**	**-.00043**	**-.01010**	**-.00047**	**.00017**
Stddev	.00022	.00024	.00304	.00036	.00106	.0001	.00152	.00344	.00002	.00009
%RSD	32.727	226.31	55.585	71.954	50.717	6217.4	355.31	34.066	3.6593	50.688
#1	.00052	.00006	.00762	-.00024	-.00283	-.00004	-.00150	-.01253	-.00048	.00023
#2	.00083	-.00028	.00332	-.00075	-.00133	.00004	.00065	-.00767	-.00045	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00454**	**-.00070**	**-.12784**	**.00217**	**-.00123**	**-.00001**	**-.00086**	**.27052**	**-.00031**
Stddev	.00021	.00019	.00155	.03471	.00161	.00113	.00003	.00028	.00706	.00011
%RSD	121.55	4.1768	219.59	27.151	74.085	92.211	262.76	33.039	2.6113	34.532
#1	.00002	-.00441	.00039	-.15238	.00103	-.00202	-.00003	-.00066	.27551	-.00023
#2	.00032	-.00468	-.00180	-.10329	.00331	-.00043	.00001	-.00106	.26552	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00067**	**-.00059**	**.01733**	**-.00066**	W **-.00785**	**-.01289**	**-.00068**	**.00002**	**.00160**	**.00003**
Stddev	.00047	.00056	.00527	.00055	.00153	.01350	.00025	.00002	.00001	.00004
%RSD	69.819	95.632	30.401	83.585	19.543	104.78	37.536	93.973	.87856	133.44
#1	-.00034	-.00019	.01360	-.00027	-.00677	-.02243	-.00086	.00003	.00161	.00006
#2	-.00101	-.00099	.02105	-.00105	-.00894	-.00334	-.00050	.00001	.00159	.00000
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00332**	W **-.06221**	**-.00102**	**-.00038**	**.00551**
Stddev	.00059	.01856	.00010	.00000	.00121
%RSD	17.801	29.840	9.5626	.30466	22.027
#1	.00373	-.04908	-.00095	-.00038	.00637
#2	.00290	-.07534	-.00109	-.00038	.00466
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5204.2**	**96695.**	**7638.7**
Stddev	64.5	927.	1478.7
%RSD	1.2402	.95846	19.358
#1	5249.9	97351.	8684.3
#2	5158.6	96040.	6593.1

Sample Name: 280-19493-h-3-a Acquired: 8/27/2011 4:24:39 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 89250 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00637**	**.00631**	**-.00069**	**-.00194**	**-.00004**	**-.00223**	**-.01154**	**-.00051**	**.00000**
Stddev	.00003	.00773	.00140	.00039	.00076	.00001	.00144	.00096	.00000	.00018
%RSD	12.832	121.29	22.153	57.108	38.974	25.484	64.331	8.3392	.88084	6788.7
#1	.00022	.01184	.00730	-.00041	-.00247	-.00005	-.00325	-.01222	-.00052	.00013
#2	.00018	.00091	.00532	-.00097	-.00140	-.00004	-.00122	-.01086	-.00051	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**-.00469**	**.00031**	**-.12395**	**.00274**	**-.00122**	**-.00004**	**-.00119**	**.25502**	**-.00042**
Stddev	.00008	.00014	.00137	.02806	.00327	.00028	.00001	.00002	.01272	.00013
%RSD	20.794	3.0843	434.98	22.642	119.40	22.702	37.214	1.8160	4.9890	30.661
#1	.00045	-.00459	-.00065	-.14379	.00043	-.00102	-.00005	-.00120	.26402	-.00033
#2	.00033	-.00480	.00128	-.10411	.00505	-.00141	-.00003	-.00117	.24603	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00110**	**-.00114**	**.01915**	**-.00119**	W **-.00520**	**-.00923**	**-.00056**	**-.00003**	**.00041**	**.00015**
Stddev	.00109	.00012	.00243	.00196	.00136	.01469	.00006	.00001	.00041	.00022
%RSD	99.011	10.390	12.704	163.78	26.199	159.19	10.560	38.023	100.54	140.76
#1	-.00033	-.00123	.01743	.00019	-.00617	-.01961	-.00052	-.00002	.00012	.00031
#2	-.00187	-.00106	.02087	-.00258	-.00424	.00116	-.00061	-.00004	.00070	.00000
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00281**	**-.04218**	**-.00106**	**-.00093**	**.00616**
Stddev	.00112	.01996	.00019	.00007	.00097
%RSD	39.857	47.325	17.453	7.2695	15.789
#1	.00202	-.02807	-.00119	-.00088	.00685
#2	.00360	-.05630	-.00093	-.00098	.00548
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5179.4**	**99009.**	**7752.4**
Stddev	72.0	685.	1347.4
%RSD	1.3905	.69212	17.380
#1	5230.4	98524.	8705.1
#2	5128.5	99494.	6799.6

Sample Name: 280-19493-v-4-d Acquired: 8/27/2011 4:27:16 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 89250 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00046	-.00020	.00578	-.00056	-.00207	-.00002	-.00154	-.00978	-.00053	.00004
Stddev	.00019	.00022	.00036	.00043	.00085	.00002	.00271	.00034	.00009	.00004
%RSD	40.810	110.94	6.1980	77.274	41.198	119.54	175.36	3.4937	16.791	81.746
#1	.00060	-.00036	.00553	-.00086	-.00267	.00000	-.00346	-.00954	-.00059	.00002
#2	.00033	-.00004	.00604	-.00025	-.00147	-.00003	.00037	-.01002	-.00047	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00027	-.00460	-.00020	-.11117	.00133	-.00063	-.00002	-.00099	.24848	-.00033
Stddev	.00007	.00002	.00159	.04767	.00307	.00152	.00001	.00005	.02548	.00013
%RSD	24.588	.40538	792.23	42.875	231.12	241.67	58.406	4.8700	10.253	37.783
#1	.00022	-.00461	.00093	-.14488	-.00084	-.00170	-.00002	-.00095	.26649	-.00042
#2	.00032	-.00458	-.00133	-.07747	.00349	.00045	-.00001	-.00102	.23046	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00016	.00062	.01873	-.00153	W -.00837	-.01767	-.00048	-.00001	.00003	.00020
Stddev	.00068	.00063	.00196	.00057	.00067	.01086	.00022	.00017	.00119	.00017
%RSD	415.11	101.55	10.476	37.385	7.9923	61.446	45.689	1349.8	3408.1	83.272
#1	.00032	.00106	.02012	-.00113	-.00885	-.02535	-.00064	.00011	-.00080	.00032
#2	-.00064	.00017	.01734	-.00194	-.00790	-.00999	-.00033	-.00014	.00087	.00008
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00293	-.04891	-.00097	-.00054	.00624
Stddev	.00203	.01586	.00005	.00058	.00058
%RSD	69.358	32.426	4.8603	107.01	9.2956
#1	.00437	-.03769	-.00100	-.00013	.00583
#2	.00149	-.06012	-.00093	-.00095	.00665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5257.5	97279.	7487.9
Stddev	155.9	1149.	1390.4
%RSD	2.9658	1.1812	18.568
#1	5367.7	96466.	8471.1
#2	5147.2	98091.	6504.8

Sample Name: 280-19493-v-4-e ms Acquired: 8/27/2011 4:29:51 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 89250 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00000**	**.00521**	**-.00071**	**-.00178**	**.00000**	**-.00226**	**-.01165**	**-.00053**	**.00003**
Stddev	.00034	.0009	.00114	.00020	.00099	.00002	.00116	.00020	.00025	.00009
%RSD	63.232	38364.	21.926	27.844	55.863	450.69	51.104	1.7424	46.456	259.75
#1	.00077	-.00064	.00602	-.00085	-.00248	.00002	-.00308	-.01180	-.00071	.00009
#2	.00029	.00064	.00441	-.00057	-.00108	-.00001	-.00145	-.01151	-.00036	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00479**	**.00050**	**-.09761**	**.00333**	**-.00110**	**-.00002**	**-.00096**	**.23603**	**-.00057**
Stddev	.00006	.00003	.00134	.03753	.00023	.00011	.00001	.00020	.01943	.00018
%RSD	23.249	.58760	268.92	38.450	6.8031	10.393	67.838	20.478	8.2331	32.224
#1	.00021	-.00481	-.00045	-.12415	.00317	-.00102	-.00001	-.00082	.24978	-.00044
#2	.00029	-.00477	.00145	-.07107	.00349	-.00118	-.00003	-.00110	.22229	-.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**-.00004**	**.01914**	**-.00246**	**-.00496**	**-.01687**	**-.00058**	**-.00002**	**-.00049**	**.00039**
Stddev	.00116	.00010	.00047	.00114	.00080	.01397	.00014	.00002	.00019	.00003
%RSD	919.24	227.23	2.4620	46.346	16.157	82.796	23.512	111.58	37.725	7.1663
#1	.00069	-.00012	.01881	-.00166	-.00553	-.00699	-.00048	-.00003	-.00036	.00041
#2	-.00095	.00003	.01947	-.00327	-.00439	-.02675	-.00068	.00000	-.00063	.00037
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00350**	W **-.05846**	**-.00145**	**-.00060**	**.00510**
Stddev	.00032	.00133	.00009	.00001	.00116
%RSD	9.2712	2.2778	6.5060	1.0331	22.709
#1	.00327	-.05752	-.00151	-.00059	.00592
#2	.00373	-.05940	-.00138	-.00060	.00428
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5239.1**	**98304.**	**7234.1**
Stddev	119.5	11.	1638.4
%RSD	2.2807	.01113	22.648
#1	5323.6	98296.	8392.6
#2	5154.6	98312.	6075.5

Sample Name: 280-19493-v-4-f msd Acquired: 8/27/2011 4:32:28 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 89250 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00032	.00017	.00656	-.00051	-.00227	-.00005	-.00146	-.00956	-.00062	.00012
Stddev	.00012	.00022	.00183	.00050	.00047	.00002	.00206	.00147	.00000	.00015
%RSD	37.170	132.93	27.902	98.384	20.520	44.645	141.49	15.392	.61647	122.41
#1	.00040	.00033	.00526	-.00086	-.00260	-.00004	.00000	-.01060	-.00062	.00023
#2	.00023	.00001	.00785	-.00015	-.00194	-.00007	-.00292	-.00852	-.00062	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00024	-.00485	-.00077	-.10637	.00113	.00036	-.00003	-.00096	.25141	-.00035
Stddev	.00008	.00002	.00178	.01693	.00251	.00093	.00002	.00001	.00297	.00018
%RSD	34.678	.34231	230.55	15.918	222.43	256.74	52.298	1.4571	1.1819	52.813
#1	.00030	-.00484	-.00203	-.11835	-.00065	-.00030	-.00002	-.00095	.24931	-.00022
#2	.00018	-.00486	.00049	-.09440	.00290	.00103	-.00005	-.00097	.25351	-.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00087	-.00077	.01808	-.00022	W -.00502	-.02035	-.00030	.00001	.00110	.00044
Stddev	.00173	.00040	.00439	.00108	.00292	.00609	.00024	.00010	.00020	.00004
%RSD	199.17	51.445	24.252	494.66	58.095	29.923	81.678	1644.5	18.363	8.7841
#1	.00036	-.00105	.01498	-.00098	-.00296	-.01605	-.00047	-.00006	.00095	.00041
#2	-.00210	-.00049	.02118	.00055	-.00708	-.02466	-.00012	.00007	.00124	.00046
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00386	W -.07799	-.00086	-.00061	.00456
Stddev	.00199	.01920	.00015	.00013	.00154
%RSD	51.663	24.624	17.263	21.731	33.756
#1	.00527	-.06441	-.00075	-.00052	.00347
#2	.00245	-.09157	-.00096	-.00070	.00565
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5280.8	98005.	7875.5
Stddev	27.2	1544.	1020.6
%RSD	.51500	1.5757	12.959
#1	5261.5	96913.	8597.1
#2	5300.0	99097.	7153.8

Sample Name: 280-19493-h-5-a Acquired: 8/27/2011 4:35:05 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 89250 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00033**	**.00553**	**-.00072**	**-.00171**	**-.00004**	**-.00146**	**-.00946**	**-.00057**	**.00008**
Stddev	.00022	.00105	.00007	.00010	.00081	.00005	.00141	.00196	.00014	.00007
%RSD	169.85	319.87	1.2080	13.776	47.468	128.66	96.063	20.713	24.311	80.968
#1	-.00003	.00107	.00558	-.00065	-.00228	.00000	-.00047	-.01084	-.00047	.00013
#2	.00028	-.00041	.00548	-.00079	-.00113	-.00007	-.00246	-.00807	-.00067	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00468**	**.00071**	**-.11003**	**.00168**	**.00085**	**-.00001**	**-.00096**	**.25094**	**-.00052**
Stddev	.00006	.00015	.00039	.05113	.00340	.00096	.00002	.00016	.02234	.00013
%RSD	36.020	3.1029	53.893	46.469	202.54	113.28	270.66	16.448	8.9028	25.461
#1	.00013	-.00478	.00044	-.14619	-.00073	.00017	.00001	-.00107	.26674	-.00043
#2	.00021	-.00458	.00099	-.07388	.00408	.00153	-.00002	-.00085	.23514	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00170**	**-.00112**	**.01843**	**-.00026**	**-.00380**	**-.02201**	**-.00046**	**-.00003**	**.00084**	**.00035**
Stddev	.00131	.00076	.00110	.00183	.00373	.00466	.00024	.00013	.00141	.00007
%RSD	77.192	67.573	5.9521	717.09	98.278	21.185	52.852	374.28	167.05	20.210
#1	-.00077	-.00059	.01920	.00104	-.00644	-.02531	-.00029	.00006	.00184	.00030
#2	-.00263	-.00166	.01765	-.00155	-.00116	-.01872	-.00063	-.00012	-.00015	.00040
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00390**	W **-.05301**	**-.00106**	**-.00056**	**.00629**
Stddev	.00004	.02482	.00008	.00012	.00412
%RSD	1.1102	46.817	7.6460	20.737	65.556
#1	.00393	-.07056	-.00100	-.00064	.00337
#2	.00387	-.03546	-.00111	-.00048	.00920
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5315.4**	**99091.**	**7542.2**
Stddev	60.8	1475.	1359.4
%RSD	1.1447	1.4890	18.024
#1	5358.4	98048.	8503.4
#2	5272.4	100130.	6580.9

Sample Name: 280-19500-a-1-a Acquired: 8/27/2011 4:37:42 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 89250 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00018**	**.00698**	**-.00052**	**-.00182**	**-.00002**	**-.00049**	**-.01042**	**-.00049**	**.00014**
Stddev	.00008	.00038	.00074	.00004	.00094	.00001	.00026	.00041	.00002	.00022
%RSD	17.277	208.15	10.614	7.4390	51.578	61.461	53.439	3.9710	3.5364	159.23
#1	.00038	-.00009	.00646	-.00055	-.00248	-.00001	-.00031	-.01072	-.00050	.00030
#2	.00049	.00045	.00750	-.00050	-.00116	-.00003	-.00068	-.01013	-.00048	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**-.00510**	**-.00052**	**-.08710**	**.00460**	**-.00027**	**-.00003**	**-.00093**	**.24098**	**-.00044**
Stddev	.00010	.00015	.00092	.02341	.00299	.00095	.00002	.00009	.02141	.00019
%RSD	26.575	2.8707	175.93	26.877	64.963	355.05	79.590	9.7514	8.8850	43.415
#1	.00029	-.00521	-.00118	-.10366	.00249	-.00094	-.00001	-.00087	.25612	-.00031
#2	.00042	-.00500	.00013	-.07055	.00671	.00040	-.00005	-.00100	.22584	-.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00127**	**-.00040**	**.01970**	**-.00130**	**-.00438**	**-.00535**	**-.00046**	**.00005**	**.00059**	**.00036**
Stddev	.00138	.00012	.00121	.00081	.00032	.01602	.00090	.00004	.00051	.00015
%RSD	108.84	30.676	6.1291	62.398	7.2211	299.63	195.61	81.381	87.764	40.674
#1	-.00029	-.00048	.01885	-.00187	-.00416	-.01667	.00018	.00002	.00095	.00026
#2	-.00225	-.00031	.02056	-.00073	-.00460	.00598	-.00109	.00008	.00022	.00047
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00305**	**-.03417**	**-.00114**	**-.00048**	**.00620**
Stddev	.00021	.01552	.00040	.00004	.00088
%RSD	6.8470	45.415	34.846	8.2497	14.180
#1	.00320	-.02320	-.00086	-.00051	.00683
#2	.00290	-.04515	-.00143	-.00046	.00558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5286.9**	**99738.**	**7137.4**
Stddev	108.4	1706.	1828.1
%RSD	2.0496	1.7104	25.612
#1	5210.3	100940.	8430.0
#2	5363.6	98532.	5844.8

Sample Name: CCVH-940568 Acquired: 8/27/2011 4:40:20 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00108**	**.00687**	**-.00096**	**-.00171**	**-.00005**	F **-.00275**	**-.00904**	**-.00061**	**.00002**	**.00017**
Stddev	.00017	.00007	.00081	.00002	.00105	.00001	.00227	.00298	.00001	.00008	.00006
%RSD	29.497	6.4128	11.739	2.2851	61.371	23.869	82.375	32.920	2.3791	513.45	33.288
#1	.00071	.00113	.00744	-.00097	-.00245	-.00004	-.00436	-.01115	-.00060	-.00004	.00022
#2	.00046	.00103	.00630	-.00094	-.00097	-.00006	-.00115	-.00694	-.00062	.00007	.00013
Check ?	None	None	None	None	None	None	Chk Fail	None	None	None	None
Value							1.0000				
Range							-10.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00470**	F **.00098**	**-.09080**	**.00319**	**-.00054**	**.00002**	**-.00103**	**.23077**	**-.00035**	**-.00198**	**.00006**
Stddev	.00014	.00020	.03901	.00630	.00127	.00000	.00013	.02515	.00009	.00079	.00004
%RSD	2.9188	20.849	42.969	197.40	235.08	7.2077	12.744	10.901	25.738	39.670	70.986
#1	-.00479	.00113	-.11838	-.00126	.00036	.00002	-.00094	.24855	-.00029	-.00254	.00003
#2	-.00460	.00084	-.06321	.00765	-.00144	.00002	-.00113	.21298	-.00041	-.00143	.00009
Check ?	None	Chk Fail	None	None	None	None	None	None	None	None	None
Value		50.000									
Range		-10.000%									

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02101**	**-.00165**	**-.00461**	**-.01464**	**-.00019**	**.00003**	F **-.00077**	**.00020**	**.00392**	F **-.05677**	**-.00113**
Stddev	.00166	.00073	.00056	.00349	.00021	.00011	.00064	.00006	.00004	.01439	.00017
%RSD	7.8877	44.457	12.244	23.833	106.15	325.21	82.901	30.621	1.1323	25.354	14.833
#1	.01983	-.00217	-.00421	-.01711	-.00005	-.00004	-.00123	.00024	.00389	-.06695	-.00101
#2	.02218	-.00113	-.00501	-.01217	-.00034	.00011	-.00032	.00015	.00395	-.04659	-.00125
Check ?	None	None	None	None	None	None	Chk Fail	None	None	Chk Fail	None
Value							5.0000			10.000	
Range							-10.000%			-10.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00069**	**.00608**
Stddev	.00008	.00073
%RSD	11.623	12.088
#1	-.00074	.00660
#2	-.00063	.00556
Check ?	None	None
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5273.3**	**95484.**	**7181.7**
Stddev	14.8	2424.	1548.5
%RSD	.27978	2.5390	21.562
#1	5283.8	97198.	8276.7
#2	5262.9	93770.	6086.7

Sample Name: CCV-940591 Acquired: 8/27/2011 4:42:57 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	sF **.00108**	F **-.00053**	kF **.00539**	F **-.00046**	kF **-.00129**	kF **.00000**	k **-.00205**	kF **-.00898**	kF **-.00049**	kF **.00020**	kF **.00033**
Stddev	.00109	.00020	.00210	.00013	.00125	.0000	.00032	.00296	.00005	.00016	.00015
%RSD	100.69	37.928	39.056	27.710	96.703	2237.2	15.696	32.915	10.766	80.922	46.625
#1	.00031	-.00039	.00687	-.00037	-.00217	.00001	-.00183	-.01107	-.00053	.00008	.00044
#2	s .00185	-.00067	k .00390	-.00055	k -.00041	k -.00001	k -.00228	k -.00689	k -.00046	k .00031	k .00022
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	.50000	1.0000	.50000	.50000	.50000		5.0000	.50000	.50000	.50000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%	-10.000%	-10.000%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	sF **-.00679**	F **.00008**	F **-.06368**	kF **.00609**	sF **-.00102**	sF **-.00004**	F **-.00102**	F **.23412**	F **-.00010**	F **-.00251**	kF **-.00128**
Stddev	.00262	.00088	.02076	.00438	.00004	.00001	.00039	.03168	.00007	.00238	.00011
%RSD	38.568	1172.9	32.596	71.874	4.2017	26.694	38.409	13.533	70.855	94.862	8.9077
#1	-.00494	.00070	-.07836	.00299	-.00099	-.00003	-.00129	.25652	-.00005	-.00420	-.00120
#2	s -.00865	-.00055	-.04901	k .00918	s -.00105	s -.00005	-.00074	.21171	-.00015	-.00083	k -.00136
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	2.5000	50.000	1.0000	20.000	.50000	.50000	5.0000	.50000	1.0000	1.0000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.02093**	kF **-.00145**	kF **-.00399**	kF **-.01072**	kF **-.00053**	F **-.00002**	s **.00012**	sF **.00067**	kF **.00318**	s **-.07053**	sF **-.00150**
Stddev	.00278	.00010	.00089	.03120	.00040	.00015	.00006	.00068	.00117	.00388	.00073
%RSD	13.276	7.1042	22.366	291.08	75.471	1000.3	50.677	101.53	36.894	5.5070	48.497
#1	.02289	-.00138	-.00463	-.03279	-.00081	.00009	.00007	.00019	.00400	-.06779	-.00098
#2	k .01896	k -.00152	k -.00336	k .01134	k -.00025	-.00012	s .00016	s .00115	k .00235	s -.07328	s -.00201
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	None	Chk Fail
Value		1.0000	1.0000	5.0000	1.0000	.50000		.50000	1.0000		.50000
Range		-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%		-10.000%

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	sF **-.00056**	kF **.00343**
Stddev	.00004	.00126
%RSD	6.8631	36.686
#1	-.00059	.00432
#2	s -.00053	k .00254
Check ?	Chk Fail	Chk Fail
Value	.50000	.50000
Range	-10.000%	-10.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5297.6**	^ *****	**6763.6**
Stddev	59.2	-----	1687.3
%RSD	1.1179	-----	24.947
#1	5339.5	98110.	7956.7
#2	5255.8	^ -----	5570.5

Sample Name: CCB Acquired: 8/27/2011 4:45:37 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00100**	W **.00614**	**-.00079**	F **-.00148**	**-.00006**	**-.00075**	**-.00804**	W **-.00061**	**.00007**	**.00025**
Stddev	.00044	.00022	.00129	.00013	.00135	.00000	.00017	.00504	.00007	.00003	.00005
%RSD	282.81	22.155	21.090	16.203	91.522	6.5447	22.943	62.644	12.088	44.828	18.050
#1	-.00016	.00115	.00705	-.00088	-.00243	-.00006	-.00087	-.01161	-.00056	.00009	.00022
#2	.00047	.00084	.00522	-.00070	-.00052	-.00007	-.00063	-.00448	-.00066	.00005	.00028
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit			.00440		.00115				.00045		
Low Limit			-.00440		-.00115				-.00045		

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00459**	**-.00143**	**-.09626**	F **.00609**	**-.00081**	**-.00002**	**-.00085**	F **.23586**	**-.00019**	**-.00203**	**.00017**
Stddev	.00019	.00318	.00997	.00531	.00032	.00003	.00007	.02809	.00032	.00117	.00048
%RSD	4.1862	222.69	10.360	87.223	39.772	140.89	7.7265	11.909	168.38	57.491	277.00
#1	-.00473	.00082	-.10331	.00233	-.00104	-.00005	-.00090	.25572	-.00042	-.00120	.00051
#2	-.00446	-.00368	-.08921	.00984	-.00058	.00000	-.00080	.21600	.00004	-.00285	-.00016
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00272			.00522				.10000			
Low Limit	-.00272			-.00522				-.10000			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01887**	**-.00174**	W **-.00518**	**-.00869**	**-.00043**	**.00006**	**-.00017**	**.00023**	**.00368**	**-.03058**	**-.00082**
Stddev	.00049	.00099	.00182	.00160	.00002	.00005	.00015	.00019	.00004	.01040	.00033
%RSD	2.5827	56.855	35.161	18.416	4.3048	80.918	86.934	84.273	1.0588	34.002	39.964
#1	.01921	-.00244	-.00647	-.00756	-.00044	.00009	-.00028	.00037	.00366	-.02323	-.00059
#2	.01852	-.00104	-.00389	-.00982	-.00041	.00002	-.00007	.00009	.00371	-.03794	-.00106
Check ?	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00486								
Low Limit			-.00486								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00061**	W **.00458**
Stddev	.00002	.00212
%RSD	3.8087	46.232
#1	-.00060	.00608
#2	-.00063	.00308
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5310.0**	**97317.**	**7084.0**
Stddev	110.9	707.	1900.6
%RSD	2.0888	.72686	26.830
#1	5388.5	97817.	8427.9
#2	5231.6	96817.	5740.1

Sample Name: CCVL946273 Acquired: 8/27/2011 4:48:15 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00052**	F **.00119**	F **.00734**	F **-.00068**	F **-.00187**	F **-.00004**	F **-.00087**	F **-.00965**	F **-.00055**	F **.00005**	F **.00023**
Stddev	.00003	.00044	.00023	.00040	.00068	.00001	.00028	.00068	.00024	.00005	.00000
%RSD	5.2412	37.083	3.1265	58.987	36.389	29.304	32.026	7.0623	44.265	104.57	1.1735
#1	.00054	.00088	.00718	-.00097	-.00235	-.00005	-.00106	-.00917	-.00072	.00009	.00023
#2	.00050	.00151	.00751	-.00040	-.00139	-.00003	-.00067	-.01013	-.00038	.00001	.00023
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01000	.10000	.01500	.10000	.01000	.00100	.10000	.20000	.00500	.01000	.01000
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00485**	F **.00102**	F **-.13689**	F **.00348**	F **.00059**	F **.00001**	F **-.00086**	F **.23774**	F **-.00058**	F **-.00258**	F **-.00125**
Stddev	.00029	.00054	.00238	.00134	.00146	.00002	.00022	.01571	.00009	.00073	.00119
%RSD	6.0130	52.842	1.7388	38.587	247.28	358.32	25.477	6.6084	15.588	28.343	95.367
#1	-.00506	.00064	-.13857	.00253	-.00044	-.00001	-.00102	.24885	-.00064	-.00206	-.00209
#2	-.00464	.00140	-.13520	.00443	.00162	.00002	-.00071	.22663	-.00051	-.00310	-.00041
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01500	.10000	3.0000	.01000	.20000	.01000	.02000	1.0000	.04000	3.0000	.00900
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01758**	F **-.00296**	F **-.00536**	F **-.00562**	F **-.00034**	F **-.00006**	F **.00055**	F **.00022**	F **.00335**	F **-.04272**	F **-.00105**
Stddev	.00129	.00044	.00195	.01513	.00022	.00001	.00009	.00012	.00087	.01168	.00034
%RSD	7.3494	14.851	36.355	269.16	64.257	14.711	16.003	53.320	26.060	27.351	32.542
#1	.01849	-.00328	-.00398	-.01632	-.00049	-.00006	.00061	.00030	.00397	-.03446	-.00081
#2	.01666	-.00265	-.00673	.00508	-.00018	-.00007	.00048	.00014	.00273	-.05098	-.00129
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value		.01000	.01500	.50000	.10000	.01000	.01500	.01000	.01500	.06000	.01000
Range		-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	F **-.00053**	F **.00570**
Stddev	.00022	.00158
%RSD	41.574	27.765
#1	-.00038	.00682
#2	-.00069	.00458
Check ?	Chk Fail	Chk Fail
Value	.02000	.01500
Range	-30.000%	-30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5359.8**	**100100.**	**7407.7**
Stddev	82.5	15.	1470.3
%RSD	1.5388	.01540	19.848
#1	5418.2	100090.	8447.4
#2	5301.5	100110.	6368.1

Sample Name: mb 280-82951/1-a Acquired: 8/27/2011 4:50:51 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82951 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00075**	W **.00497**	**-.00085**	F **-.00203**	**-.00006**	**-.00175**	**-.00792**	**-.00041**	**.00017**
Stddev	.00006	.00002	.00151	.00009	.00098	.00000	.00048	.00004	.00017	.00013
%RSD	21.142	2.8100	30.427	10.616	48.154	3.5888	27.518	.54821	40.602	74.315
#1	.00022	.00074	.00604	-.00078	-.00272	-.00006	-.00141	-.00789	-.00053	.00026
#2	.00030	.00077	.00390	-.00091	-.00134	-.00006	-.00209	-.00795	-.00029	.00008
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00441		.00127					
Low Limit			-.00441		-.00127					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	F **-.00459**	**-.00111**	**-.11575**	W **.00280**	**-.00078**	**-.00002**	**-.00111**	F **.25015**	**-.00030**
Stddev	.00018	.00004	.00220	.09393	.00057	.00100	.00002	.00000	.02276	.00014
%RSD	64.941	.79761	197.32	81.156	20.336	128.24	80.770	.16592	9.0967	45.385
#1	.00015	-.00462	.00044	-.18217	.00240	-.00007	-.00003	-.00111	.26624	-.00040
#2	.00039	-.00456	-.00267	-.04932	.00320	-.00148	-.00001	-.00111	.23406	-.00020
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		.00299			.00261				.20152	
Low Limit		-.00299			-.00261				-.20152	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00118**	**-.00033**	**.01587**	**-.00077**	W **-.00726**	**-.00986**	**.00029**	**.00002**	**.00020**	**.00022**
Stddev	.00189	.00082	.00107	.00025	.00014	.00750	.00047	.00001	.00039	.00006
%RSD	159.81	246.84	6.7516	31.924	1.8626	76.116	159.49	38.955	191.25	27.083
#1	-.00251	.00025	.01663	-.00095	-.00716	-.01516	.00062	.00001	-.00007	.00027
#2	.00015	-.00091	.01511	-.00060	-.00735	-.00455	-.00004	.00003	.00048	.00018
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00486					
Low Limit					-.00486					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00390**	F **-.05825**	W **-.00112**	**-.00036**	**.00450**
Stddev	.00234	.01027	.00015	.00004	.00015
%RSD	59.935	17.623	13.596	11.107	3.3976
#1	.00555	-.05099	-.00123	-.00033	.00461
#2	.00225	-.06551	-.00101	-.00038	.00440
Check ?	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit		.03542	.00111		
Low Limit		-.03542	-.00111		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5317.7**	**99006.**	**7461.6**
Stddev	87.4	1641.	1774.9
%RSD	1.6431	1.6570	23.788
#1	5379.4	97846.	8716.6
#2	5255.9	100170.	6206.5

Sample Name: lcs 280-82951/2-a Acquired: 8/27/2011 4:53:28 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82951 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00065**	F **.00019**	F **.00548**	F **-.00037**	F **-.00232**	F **-.00003**	F **-.00283**	F **-.01028**	F **-.00044**	F **.00001**
Stddev	.00014	.00041	.00194	.00036	.00051	.00002	.00013	.00450	.00023	.00012
%RSD	21.294	213.70	35.421	97.035	21.971	74.643	4.6843	43.801	50.905	1842.1
#1	.00075	-.00010	.00685	-.00062	-.00268	-.00004	-.00274	-.01347	-.00060	.00009
#2	.00056	.00048	.00410	-.00012	-.00196	-.00001	-.00292	-.00710	-.00028	-.00008
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	.05750	2.1600	1.0900	1.1000	2.2600	.05600	2.2000	55.000	.11000	.55000
Low Limit	.04300	1.7200	.86000	.89000	1.8000	.04400	1.8000	44.500	.08700	.44500

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00028**	F **-.00464**	F **-.00023**	F **-.12384**	F **.00493**	F **.00057**	F **-.00003**	F **-.00108**	F **.25486**	F **-.00077**
Stddev	.00014	.00010	.00050	.00589	.00175	.00143	.00004	.00022	.00107	.00004
%RSD	51.793	2.2273	219.86	4.7580	35.567	253.22	126.18	20.184	.41803	5.6849
#1	.00018	-.00472	.00013	-.12801	.00369	.00158	-.00006	-.00092	.25410	-.00081
#2	.00038	-.00457	-.00058	-.11967	.00617	-.00045	.00000	-.00123	.25561	-.00074
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	.26000	.28000	1.1400	57.000	1.1400	56.500	.55000	1.1000	56.000	.55500
Low Limit	.01800	.21500	.88000	44.500	.89000	46.000	.45000	.90000	45.500	.44500

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00037**	F **-.00131**	**.01913**	F **-.00046**	F **-.00612**	F **-.02123**	F **-.00035**	F **.00003**	F **.00059**	F **.00001**
Stddev	.00036	.00118	.00106	.00078	.00116	.01134	.00021	.00002	.00007	.00006
%RSD	96.084	89.631	5.5161	169.21	18.943	53.392	59.589	69.867	11.172	456.44
#1	-.00012	-.00214	.01988	-.00101	-.00694	-.02925	-.00050	.00004	.00063	-.00003
#2	-.00062	-.00048	.01839	.00009	-.00530	-.01322	-.00020	.00001	.00054	.00005
Check ?	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	11.100	.54500		.54000	2.2000	11.500	2.2600	1.1000	1.1500	1.1000
Low Limit	9.1000	.44500		.44000	1.8000	9.4000	1.7000	.91000	.85000	.90000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **.00312**	F **-.04762**	F **-.00102**	F **-.00040**	F **.00516**
Stddev	.00138	.00616	.00001	.00023	.00055
%RSD	44.122	12.926	.70666	57.521	10.568
#1	.00215	-.05198	-.00102	-.00056	.00555
#2	.00409	-.04327	-.00103	-.00024	.00477
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	2.1600	2.3200	.56000	.55000	.62500
Low Limit	1.7600	1.7000	.44000	.42500	.37500

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5450.7**	**97629.**	**8076.0**
Stddev	7.1	3193.	1295.6
%RSD	.12981	3.2708	16.043
#1	5445.7	99887.	8992.2
#2	5455.7	95371.	7159.9

Sample Name: 280-19416-b-1-a Acquired: 8/27/2011 4:56:05 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82951 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00119**	**.00786**	**-.00092**	**-.00145**	**-.00011**	**-.00292**	**-.00793**	**-.00052**	**.00001**
Stddev	.00024	.00043	.00066	.00022	.00124	.00006	.00172	.00627	.00004	.00013
%RSD	545.51	36.334	8.4222	23.600	85.179	53.421	59.088	79.163	8.0722	928.39
#1	.00012	.00089	.00739	-.00107	-.00233	-.00007	-.00170	-.01236	-.00049	-.00008
#2	-.00021	.00150	.00833	-.00076	-.00058	-.00015	-.00414	-.00349	-.00055	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00468**	**.00048**	**-.09985**	**.00306**	**.00021**	**.00000**	**-.00100**	**.23464**	**-.00023**
Stddev	.00011	.00004	.00208	.06168	.00104	.00027	.0000	.00007	.03958	.00030
%RSD	53.644	.92764	432.05	61.769	33.823	128.25	3150.1	7.2095	16.870	132.02
#1	.00013	-.00471	-.00099	-.14346	.00233	.00040	-.00001	-.00105	.26263	-.00044
#2	.00030	-.00465	.00195	-.05624	.00379	.00002	.00001	-.00095	.20665	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00208**	**-.00115**	**.01790**	**-.00149**	**-.00416**	**-.01722**	**-.00047**	**.00003**	**.00003**	**.00035**
Stddev	.00305	.00013	.00529	.00032	.00065	.00237	.00040	.00003	.00046	.00010
%RSD	146.83	11.218	29.573	21.534	15.723	13.755	85.846	100.41	1439.6	27.221
#1	-.00423	-.00106	.02164	-.00126	-.00462	-.01554	-.00018	.00005	.00035	.00029
#2	.00008	-.00124	.01415	-.00172	-.00370	-.01889	-.00075	.00001	-.00029	.00042
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00341**	W **-.05193**	**-.00068**	**-.00058**	**.00559**
Stddev	.00016	.00117	.00021	.00015	.00098
%RSD	4.8200	2.2434	30.709	26.422	17.454
#1	.00330	-.05276	-.00053	-.00069	.00490
#2	.00353	-.05111	-.00083	-.00047	.00628
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5352.2**	**97846.**	**7082.9**
Stddev	157.2	1231.	1803.2
%RSD	2.9379	1.2578	25.458
#1	5463.4	96976.	8358.0
#2	5241.0	98716.	5807.9

Sample Name: 280-19416-b-1-aSD@5 Acquired: 8/27/2011 4:58:43 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82951 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00122**	**.00469**	**-.00102**	**-.00093**	**-.00004**	**-.00229**	**-.00937**	**-.00045**	**.00009**
Stddev	.00041	.00098	.00232	.00067	.00093	.00008	.00106	.00076	.00002	.00016
%RSD	89.907	80.124	49.505	65.446	99.799	196.02	46.072	8.1418	4.1863	191.15
#1	.00075	.00191	.00633	-.00150	-.00159	-.00010	-.00304	-.00991	-.00043	.00020
#2	.00017	.00053	.00305	-.00055	-.00027	.00002	-.00155	-.00883	-.00046	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00457**	**-.00057**	**-.07305**	**.00298**	**-.00058**	**-.00002**	**-.00083**	**.22572**	**-.00040**
Stddev	.00001	.00024	.00103	.01871	.00092	.00062	.00003	.00010	.01809	.00019
%RSD	5.3236	5.2974	181.48	25.609	30.766	105.98	200.44	12.273	8.0151	47.654
#1	.00016	-.00440	.00016	-.08628	.00362	-.00015	-.00004	-.00090	.23851	-.00027
#2	.00017	-.00474	-.00129	-.05982	.00233	-.00102	.00001	-.00076	.21293	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**-.00092**	**.02291**	**-.00094**	W **-.00558**	**-.02096**	**-.00057**	**.00002**	**-.00049**	**.00030**
Stddev	.00123	.00142	.00026	.00140	.00262	.00375	.00065	.00002	.00122	.00003
%RSD	156.46	154.21	1.1549	149.69	47.044	17.882	112.63	136.34	247.72	8.6533
#1	-.00008	.00008	.02273	.00005	-.00372	-.01831	-.00103	.00004	.00037	.00028
#2	.00166	-.00192	.02310	-.00193	-.00743	-.02361	-.00012	.00000	-.00136	.00032
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00323**	W **-.05670**	**-.00107**	**-.00073**	**.00513**
Stddev	.00115	.01249	.00047	.00010	.00019
%RSD	35.521	22.021	43.825	13.851	3.7268
#1	.00242	-.06553	-.00074	-.00066	.00499
#2	.00405	-.04787	-.00141	-.00080	.00526
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5411.9**	**98988.**	**6174.5**
Stddev	58.2	1663.	806.5
%RSD	1.0747	1.6800	13.063
#1	5453.1	97812.	6744.8
#2	5370.8	100160.	5604.2

Sample Name: 280-19416-b-1-b ms Acquired: 8/27/2011 5:01:21 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82951 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	-.00050	.00691	-.00051	-.00133	.00003	-.00132	-.00879	-.00065	.00016
Stddev	.00010	.00034	.00335	.00057	.00102	.00008	.00016	.00260	.00004	.00011
%RSD	44.945	67.581	48.425	109.89	76.935	318.98	11.930	29.618	6.9151	71.450
#1	.00030	-.00073	.00928	-.00011	-.00206	-.00003	-.00143	-.01063	-.00062	.00024
#2	.00015	-.00026	.00455	-.00091	-.00061	.00008	-.00121	-.00695	-.00068	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00021	-.00485	.00086	-.09429	.00199	.00052	-.00002	-.00086	.23555	-.00022
Stddev	.00002	.00017	.00012	.03837	.00192	.00034	.00005	.00002	.01094	.00003
%RSD	8.2553	3.4121	13.382	40.697	96.747	66.136	211.69	2.1504	4.6437	12.617
#1	.00020	-.00497	.00094	-.12142	.00063	.00076	.00001	-.00088	.24329	-.00020
#2	.00022	-.00473	.00078	-.06716	.00335	.00028	-.00006	-.00085	.22782	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00033	.00004	.01884	-.00162	-.00479	-.00970	-.00044	-.00004	.00039	.00045
Stddev	.00167	.00019	.00446	.00003	.00153	.00102	.00026	.00003	.00014	.00016
%RSD	512.44	438.45	23.673	1.7339	31.964	10.474	59.134	82.632	37.195	35.834
#1	-.00085	.00018	.02200	-.00160	-.00587	-.01042	-.00063	-.00002	.00029	.00033
#2	.00151	-.00009	.01569	-.00164	-.00371	-.00898	-.00026	-.00006	.00049	.00056
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00368	W -.05840	-.00128	-.00055	.00591
Stddev	.00028	.00253	.00012	.00005	.00194
%RSD	7.5282	4.3370	9.5490	9.6729	32.783
#1	.00387	-.05661	-.00137	-.00059	.00728
#2	.00348	-.06020	-.00120	-.00052	.00454
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5233.4	100600.	6910.7
Stddev	114.5	665.	1754.0
%RSD	2.1871	.66140	25.381
#1	5314.3	100130.	8151.0
#2	5152.4	101070.	5670.5

Sample Name: 280-19416-b-1-c msd Acquired: 8/27/2011 5:03:57 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82951 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00035	.00023	.00683	-.00070	-.00169	.00001	-.00179	-.01182	-.00050	.00005
Stddev	.00008	.00015	.00045	.00049	.00124	.00002	.00085	.00060	.00011	.00006
%RSD	22.871	63.051	6.6207	69.928	73.511	131.65	47.345	5.0390	21.479	128.58
#1	.00041	.00013	.00715	-.00036	-.00257	.00002	-.00239	-.01224	-.00042	.00000
#2	.00029	.00033	.00651	-.00105	-.00081	.00000	-.00119	-.01139	-.00057	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00010	-.00438	-.00260	-.11099	.00080	-.00091	-.00001	-.00111	.23510	-.00035
Stddev	.00006	.00006	.00051	.03811	.00608	.00067	.00000	.00009	.00782	.00025
%RSD	60.376	1.2724	19.409	34.333	758.41	73.822	26.421	8.1662	3.3274	70.622
#1	.00006	-.00442	-.00225	-.13793	-.00350	-.00043	-.00002	-.00117	.24063	-.00052
#2	.00015	-.00434	-.00296	-.08404	.00510	-.00138	-.00001	-.00104	.22957	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00046	-.00102	.02012	-.00112	W -.00664	-.02240	-.00096	.00002	.00153	.00021
Stddev	.00074	.00029	.00010	.00156	.00025	.00525	.00039	.00000	.00015	.00003
%RSD	161.14	27.941	.51322	139.22	3.8278	23.441	40.439	1.8769	9.7750	12.314
#1	.00006	-.00122	.02005	-.00002	-.00646	-.01869	-.00068	.00002	.00142	.00019
#2	-.00099	-.00082	.02019	-.00222	-.00682	-.02611	-.00123	.00002	.00163	.00023
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00376	W -.06916	-.00101	-.00066	.00456
Stddev	.00122	.00223	.00031	.00029	.00211
%RSD	32.493	3.2298	30.543	43.601	46.299
#1	.00462	-.06758	-.00079	-.00086	.00605
#2	.00290	-.07074	-.00123	-.00046	.00306
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5283.0	99857.	7422.1
Stddev	81.3	1242.	1777.9
%RSD	1.5393	1.2435	23.954
#1	5340.5	98979.	8679.2
#2	5225.4	100730.	6164.9

Sample Name: 280-19416-b-2-a Acquired: 8/27/2011 5:06:33 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82951 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00031	.00072	.00431	-.00079	-.00130	-.00008	-.00083	-.00742	-.00044	.00021
Stddev	.00007	.00008	.00074	.00012	.00119	.00004	.00061	.00015	.00002	.00011
%RSD	23.330	10.619	17.148	15.337	91.326	47.720	74.065	2.0383	4.2996	54.462
#1	.00036	.00077	.00379	-.00071	-.00214	-.00005	-.00126	-.00732	-.00042	.00013
#2	.00026	.00067	.00484	-.00088	-.00046	-.00010	-.00039	-.00753	-.00045	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00017	-.00461	.00001	-.10932	.00496	.00059	-.00001	-.00099	.22728	-.00052
Stddev	.00012	.00046	.00194	.01182	.00372	.00117	.00001	.00012	.03534	.00013
%RSD	74.676	9.9996	36000.	10.811	75.011	198.99	105.08	12.372	15.548	24.743
#1	.00025	-.00493	-.00136	-.10097	.00233	-.00024	-.00002	-.00107	.25227	-.00061
#2	.00008	-.00428	.00138	-.11768	.00759	.00142	.00000	-.00090	.20230	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	-.00001	.01956	-.00140	W -.00587	-.01750	-.00019	.00000	.00028	.00034
Stddev	.00051	.00026	.00330	.00156	.00244	.00341	.00003	.00003	.00050	.00016
%RSD	4455.7	2574.6	16.855	112.01	41.606	19.507	16.673	646.96	179.42	46.207
#1	.00035	-.00019	.02189	-.00250	-.00760	-.01991	-.00022	.00003	-.00008	.00023
#2	-.00037	.00017	.01723	-.00029	-.00414	-.01509	-.00017	-.00002	.00063	.00046
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00291	W -.05136	-.00086	-.00059	.00615
Stddev	.00090	.02283	.00033	.00010	.00123
%RSD	30.960	44.450	38.094	16.276	19.952
#1	.00355	-.06750	-.00063	-.00053	.00528
#2	.00228	-.03521	-.00109	-.00066	.00701
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5349.3	97935.	6962.4
Stddev	90.1	350.	1722.3
%RSD	1.6836	.35747	24.737
#1	5413.0	98183.	8180.3
#2	5285.6	97688.	5744.5

Sample Name: 280-19465-c-1-a Acquired: 8/27/2011 5:09:10 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82951 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00040	.00012	.00466	-.00069	-.00112	-.00006	-.00188	-.00850	-.00046	.00007
Stddev	.00009	.00138	.00105	.00033	.00133	.00001	.00146	.00085	.00001	.00000
%RSD	22.355	1162.3	22.576	47.729	119.19	9.0758	77.249	10.019	3.2494	3.8747
#1	.00047	-.00085	.00392	-.00092	-.00206	-.00006	-.00291	-.00910	-.00045	.00007
#2	.00034	.00109	.00540	-.00045	-.00018	-.00006	-.00086	-.00790	-.00047	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00016	-.00509	-.00004	-.08851	.00416	.00021	-.00002	-.00089	.22654	-.00033
Stddev	.00007	.00023	.00129	.05208	.00496	.00155	.00002	.00022	.04585	.00003
%RSD	44.133	4.5672	3618.6	58.839	119.00	727.92	99.407	24.856	20.239	8.8848
#1	.00022	-.00492	.00088	-.12533	.00066	.00131	-.00003	-.00105	.25896	-.00035
#2	.00011	-.00525	-.00095	-.05168	.00767	-.00088	.00000	-.00074	.19412	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00005	-.00110	.02090	-.00183	W -.00633	-.01978	.00002	.00001	.00011	.00022
Stddev	.00232	.00049	.00201	.00096	.00177	.00025	.00024	.00000	.00021	.00006
%RSD	4244.7	44.600	9.5968	52.570	27.911	1.2746	985.09	.38141	203.51	26.719
#1	-.00159	-.00075	.02232	-.00252	-.00758	-.01960	-.00015	.00001	.00026	.00027
#2	.00169	-.00144	.01949	-.00115	-.00508	-.01996	.00020	.00001	-.00005	.00018
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00310	-.04952	-.00108	-.00064	.00377
Stddev	.00060	.00344	.00039	.00011	.00125
%RSD	19.513	6.9553	35.595	17.716	33.125
#1	.00352	-.05196	-.00136	-.00056	.00465
#2	.00267	-.04709	-.00081	-.00071	.00289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5284.1	100370.	6944.9
Stddev	127.6	1167.	1803.4
%RSD	2.4151	1.1625	25.967
#1	5374.3	101190.	8220.1
#2	5193.8	99544.	5669.7

Sample Name: 280-19465-c-1-b ms Acquired: 8/27/2011 5:11:46 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82951 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00040	-.00019	.00267	-.00056	-.00134	-.00005	-.00110	-.00918	-.00033	-.00005
Stddev	.00019	.00052	.00103	.00014	.00137	.00004	.00046	.00398	.00003	.00020
%RSD	47.807	272.31	38.534	24.125	101.57	82.392	41.405	43.383	8.6661	371.84
#1	.00054	-.00056	.00194	-.00047	-.00231	-.00002	-.00078	-.01200	-.00035	-.00020
#2	.00026	.00018	.00339	-.00066	-.00038	-.00008	-.00143	-.00637	-.00031	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	-.00464	.00020	-.05736	.00446	.00027	-.00002	-.00106	.22125	-.00042
Stddev	.00010	.00008	.00103	.05544	.00477	.00030	.00004	.00015	.03627	.00030
%RSD	48.302	1.7681	505.16	96.651	106.82	109.17	192.42	13.796	16.392	71.040
#1	.00014	-.00470	.00093	-.09657	.00109	.00048	.00001	-.00117	.24689	-.00063
#2	.00029	-.00458	-.00052	-.01816	.00784	.00006	-.00004	-.00096	.19560	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00148	-.00076	.01836	-.00091	W -.00567	-.01572	-.00027	-.00005	.00131	.00032
Stddev	.00179	.00036	.00092	.00080	.00238	.00265	.00037	.00021	.00040	.00010
%RSD	120.85	46.781	5.0286	88.751	42.050	16.839	136.85	408.20	30.416	30.761
#1	-.00274	-.00051	.01901	-.00147	-.00736	-.01385	-.00053	.00010	.00159	.00025
#2	-.00021	-.00102	.01771	-.00034	-.00398	-.01760	-.00001	-.00020	.00103	.00039
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00323	W -.05817	-.00109	-.00044	.00491
Stddev	.00124	.00345	.00026	.00032	.00023
%RSD	38.557	5.9295	23.850	71.700	4.6070
#1	.00411	-.06061	-.00127	-.00067	.00475
#2	.00235	-.05573	-.00090	-.00022	.00507
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5234.1	98889.	6759.2
Stddev	71.6	1957.	1724.3
%RSD	1.3679	1.9791	25.511
#1	5284.8	97505.	7978.4
#2	5183.5	100270.	5539.9

Sample Name: 280-19465-c-1-c msd Acquired: 8/27/2011 5:14:22 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82951 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**-.00019**	**.00360**	**-.00085**	**-.00143**	**.00000**	**-.00057**	**-.00943**	**-.00049**	**.00004**
Stddev	.00010	.00026	.00228	.00004	.00157	.00004	.00188	.00149	.00008	.00001
%RSD	17.428	135.00	63.313	4.3326	109.81	6956.0	329.30	15.827	15.361	16.742
#1	.00053	-.00001	.00199	-.00088	-.00253	.00003	.00076	-.01049	-.00054	.00004
#2	.00068	-.00038	.00522	-.00082	-.00032	-.00003	-.00190	-.00837	-.00044	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**-.00463**	**.00077**	**-.08070**	**.00321**	**-.00026**	**-.00003**	**-.00104**	**.22445**	**-.00027**
Stddev	.00004	.00038	.00199	.08145	.00543	.00065	.00000	.00020	.03729	.00032
%RSD	17.866	8.1871	258.95	100.92	169.04	249.97	16.438	19.505	16.612	117.94
#1	.00019	-.00490	-.00064	-.13830	-.00063	-.00072	-.00002	-.00118	.25081	-.00005
#2	.00025	-.00436	.00218	-.02311	.00705	.00020	-.00003	-.00089	.19808	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**-.00101**	**.01957**	**-.00115**	**-.00165**	**-.02391**	**-.00034**	**.00009**	**.00051**	**.00015**
Stddev	.00242	.00066	.00254	.00070	.00249	.00655	.00027	.00010	.00181	.00001
%RSD	887.98	65.521	12.956	60.981	151.32	27.372	79.296	118.63	352.80	4.6687
#1	-.00199	-.00147	.02136	-.00066	-.00341	-.01928	-.00015	.00016	.00179	.00014
#2	.00144	-.00054	.01778	-.00165	.00012	-.02854	-.00054	.00001	-.00077	.00015
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00377**	**-.04237**	**-.00123**	**-.00048**	**.00404**
Stddev	.00178	.00986	.00000	.00004	.00096
%RSD	47.171	23.273	.31959	9.2569	23.817
#1	.00503	-.04935	-.00123	-.00052	.00472
#2	.00251	-.03540	-.00122	-.00045	.00336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5228.3**	**97991.**	**6948.7**
Stddev	23.6	847.	1786.6
%RSD	.45210	.86470	25.711
#1	5211.6	97392.	8212.0
#2	5245.0	98590.	5685.4

Sample Name: CCVH-940568 Acquired: 8/27/2011 5:16:58 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00017**	**.00759**	**-.00076**	**-.00141**	**-.00002**	F **-.00360**	**-.00924**	**-.00067**	**.00024**	**.00012**
Stddev	.00041	.00003	.00040	.00008	.00101	.00002	.00214	.00050	.00005	.00013	.00003
%RSD	161.21	19.684	5.2388	10.052	71.823	82.840	59.341	5.4019	7.9584	55.410	26.507
#1	.00054	-.00014	.00787	-.00081	-.00213	-.00001	-.00511	-.00889	-.00064	.00015	.00010
#2	-.00004	-.00019	.00731	-.00070	-.00070	-.00004	-.00209	-.00960	-.00071	.00033	.00015
Check ?	None	None	None	None	None	None	Chk Fail	None	None	None	None
Value							1.0000				
Range							-10.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00458**	F **-.00109**	**-.10544**	**.00222**	**.00038**	**-.00004**	**-.00113**	**.22536**	**-.00048**	**-.00194**	**.00030**
Stddev	.00010	.00117	.08084	.00227	.00020	.00001	.00008	.03052	.00010	.00075	.00110
%RSD	2.2899	106.83	76.671	102.39	50.991	25.844	7.0638	13.543	20.297	38.740	370.76
#1	-.00450	-.00027	-.16260	.00061	.00052	-.00004	-.00107	.24695	-.00055	-.00247	-.00048
#2	-.00465	-.00192	-.04828	.00383	.00025	-.00005	-.00118	.20378	-.00041	-.00141	.00108
Check ?	None	Chk Fail	None	None	None	None	None	None	None	None	None
Value		50.000									
Range		-10.000%									

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02175**	**-.00061**	**-.00304**	**-.00617**	**-.00012**	**.00004**	F **-.00033**	**.00012**	**.00333**	F **-.05696**	**-.00105**
Stddev	.00272	.00174	.00203	.00721	.00072	.00003	.00060	.00008	.00020	.02651	.00041
%RSD	12.518	283.74	66.653	116.97	608.24	62.523	179.29	71.660	5.9385	46.538	39.023
#1	.02367	-.00185	-.00161	-.01127	.00039	.00002	-.00075	.00018	.00347	-.03822	-.00134
#2	.01982	.00062	-.00447	-.00107	-.00062	.00006	.00009	.00006	.00319	-.07570	-.00076
Check ?	None	None	None	None	None	None	Chk Fail	None	None	Chk Fail	None
Value							5.0000			10.000	
Range							-10.000%			-10.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00070**	**.00441**
Stddev	.00008	.00482
%RSD	11.028	109.30
#1	-.00075	.00783
#2	-.00065	.00100
Check ?	None	None
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5253.9**	**97894.**	**7101.9**
Stddev	79.7	908.	1801.0
%RSD	1.5166	.92802	25.359
#1	5310.3	98536.	8375.5
#2	5197.6	97251.	5828.4

Sample Name: CCV-940591 Acquired: 8/27/2011 5:19:36 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00040**	F **.00459**	F **.00489**	F **-.00068**	F **-.00162**	F **-.00005**	**-.00154**	F **-.01179**	F **-.00054**	F **.00018**	F **.00013**
Stddev	.00009	.00565	.00154	.00022	.00115	.00007	.00129	.00114	.00025	.00012	.00000
%RSD	21.957	123.01	31.554	31.810	71.255	134.89	84.154	9.6901	45.647	67.619	2.6128
#1	.00034	.00859	.00380	-.00053	-.00243	.00000	-.00062	-.01260	-.00037	.00009	.00013
#2	.00047	.00060	.00598	-.00083	-.00080	-.00010	-.00245	-.01098	-.00072	.00026	.00013
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	.50000	1.0000	.50000	.50000	.50000		5.0000	.50000	.50000	.50000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%	-10.000%	-10.000%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00449**	F **-.00195**	F **-.07888**	F **.00314**	F **.00011**	F **-.00003**	F **-.00090**	F **.22673**	F **-.00031**	F **-.00096**	F **-.00099**
Stddev	.00010	.00000	.03385	.00183	.00221	.00003	.00006	.03357	.00009	.00167	.00008
%RSD	2.2643	.25596	42.912	58.381	2090.5	122.25	6.4129	14.805	30.005	173.53	8.4028
#1	-.00442	-.00195	-.10282	.00184	.00167	.00000	-.00086	.25047	-.00038	-.00215	-.00093
#2	-.00456	-.00195	-.05495	.00443	-.00146	-.00005	-.00094	.20299	-.00025	.00022	-.00105
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	2.5000	50.000	1.0000	20.000	.50000	.50000	5.0000	.50000	1.0000	1.0000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01749**	F **-.00197**	F **-.00496**	F **-.01990**	F **.00023**	F **.00000**	**.00016**	F **-.00004**	F **.00332**	**-.04084**	F **-.00064**
Stddev	.00030	.00035	.00077	.00882	.00006	.0000	.00073	.00021	.00008	.02597	.00030
%RSD	1.7027	17.548	15.528	44.321	24.008	752.36	455.74	541.10	2.4475	63.582	47.324
#1	.01770	-.00221	-.00550	-.01366	.00019	.00002	.00068	-.00018	.00338	-.05920	-.00085
#2	.01728	-.00173	-.00441	-.02613	.00027	-.00002	-.00036	.00011	.00326	-.02248	-.00043
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	None	Chk Fail
Value		1.0000	1.0000	5.0000	1.0000	.50000		.50000	1.0000		.50000
Range		-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%		-10.000%

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	F **-.00073**	F **.00590**
Stddev	.00041	.00023
%RSD	55.527	3.8402
#1	-.00102	.00574
#2	-.00044	.00606
Check ?	Chk Fail	Chk Fail
Value	.50000	.50000
Range	-10.000%	-10.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5213.6**	**96510.**	**7322.0**
Stddev	41.5	795.	1664.5
%RSD	.79622	.82345	22.733
#1	5242.9	95948.	8499.0
#2	5184.2	97071.	6145.0

Sample Name: CCB Acquired: 8/27/2011 5:22:15 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00021**	W **.00702**	**-.00047**	F **-.00122**	**-.00001**	**-.00173**	**-.00992**	W **-.00047**	**.00017**
Stddev	.00001	.00010	.00137	.00017	.00150	.00001	.00258	.00061	.00014	.00005
%RSD	7.5160	46.716	19.487	35.942	122.65	66.409	149.38	6.1663	30.738	32.596
#1	.00013	-.00028	.00799	-.00059	-.00228	-.00001	-.00356	-.01035	-.00057	.00013
#2	.00012	-.00014	.00606	-.00035	-.00016	-.00002	.00010	-.00949	-.00037	.00020
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass
High Limit			.00440		.00115				.00045	
Low Limit			-.00440		-.00115				-.00045	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	F **-.00457**	**-.00036**	**-.08538**	**.00197**	**.00024**	**-.00002**	**-.00098**	F **.21283**	**-.00020**
Stddev	.00007	.00027	.00071	.00996	.00300	.00151	.00001	.00004	.04657	.00024
%RSD	31.671	6.0032	195.84	11.663	152.07	633.68	30.924	4.1208	21.882	122.36
#1	.00026	-.00477	-.00087	-.09242	-.00015	.00130	-.00002	-.00095	.24576	-.00037
#2	.00017	-.00438	.00014	-.07834	.00409	-.00083	-.00001	-.00101	.17990	-.00003
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		.00272							.10000	
Low Limit		-.00272							-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00261**	**-.00007**	**.01790**	**-.00099**	**-.00416**	**-.01635**	**-.00056**	**-.00002**	**-.00018**	**.00019**
Stddev	.00178	.00022	.00224	.00117	.00150	.00988	.00005	.00010	.00013	.00006
%RSD	68.203	307.09	12.502	118.68	36.028	60.393	8.9424	619.69	70.887	31.306
#1	-.00135	-.00023	.01949	-.00016	-.00310	-.00937	-.00060	-.00009	-.00009	.00024
#2	-.00386	.00008	.01632	-.00182	-.00523	-.02334	-.00053	.00005	-.00027	.00015
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00316**	F **-.05741**	W **-.00112**	**-.00064**	F **.00574**
Stddev	.00062	.00758	.00012	.00012	.00089
%RSD	19.481	13.211	10.442	18.869	15.570
#1	.00359	-.06277	-.00120	-.00073	.00637
#2	.00272	-.05205	-.00103	-.00055	.00511
Check ?	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Fail
High Limit		.05000	.00111		.00476
Low Limit		-.05000	-.00111		-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5328.3**	**97428.**	**6824.0**
Stddev	98.7	40.	1801.0
%RSD	1.8522	.04126	26.392
#1	5398.1	97400.	8097.5
#2	5258.5	97456.	5550.5

Sample Name: CCVL946273 Acquired: 8/27/2011 5:24:52 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00031**	F **.00106**	F **.00539**	F **-.00091**	F **-.00179**	F **-.00003**	F **.00092**	F **-.01132**	F **-.00050**	F **.00005**	F **.00029**
Stddev	.00025	.00018	.00074	.00019	.00094	.00001	.00218	.00192	.00027	.00016	.00001
%RSD	79.709	16.747	13.690	20.831	52.637	25.761	236.75	16.961	54.532	285.82	3.2890
#1	.00014	.00118	.00591	-.00078	-.00246	-.00004	.00246	-.01268	-.00069	-.00006	.00029
#2	.00049	.00093	.00486	-.00105	-.00112	-.00003	-.00062	-.00996	-.00031	.00016	.00028
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01000	.10000	.01500	.10000	.01000	.00100	.10000	.20000	.00500	.01000	.01000
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00454**	F **.00066**	F **-.08945**	F **.00398**	F **-.00015**	F **-.00001**	F **-.00108**	F **.23521**	F **.00005**	F **-.00142**	F **-.00125**
Stddev	.00020	.00078	.07375	.00560	.00141	.00001	.00000	.01851	.00025	.00126	.00018
%RSD	4.4527	118.70	82.446	140.66	938.61	142.01	.33217	7.8679	470.74	89.238	14.540
#1	-.00468	.00011	-.14160	.00002	-.00115	.00000	-.00109	.24830	.00023	-.00052	-.00112
#2	-.00440	.00122	-.03730	.00795	.00085	-.00002	-.00108	.22213	-.00012	-.00231	-.00138
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01500	.10000	3.0000	.01000	.20000	.01000	.02000	1.0000	.04000	3.0000	.00900
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01611**	F **-.00125**	F **-.00545**	F **-.01508**	F **-.00018**	F **-.00001**	F **.00045**	F **-.00004**	F **.00326**	F **-.05968**	F **-.00099**
Stddev	.00103	.00079	.00043	.00310	.00012	.00009	.00025	.00024	.00087	.00577	.00041
%RSD	6.4200	63.206	7.9469	20.553	66.959	1043.6	55.207	684.62	26.833	9.6724	41.687
#1	.01538	-.00069	-.00575	-.01728	-.00010	-.00007	.00028	.00014	.00387	-.06376	-.00128
#2	.01684	-.00181	-.00514	-.01289	-.00027	.00006	.00063	-.00021	.00264	-.05559	-.00070
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value		.01000	.01500	.50000	.10000	.01000	.01500	.01000	.01500	.06000	.01000
Range		-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	F **-.00059**	F **.00577**
Stddev	.00009	.00018
%RSD	16.012	3.1564
#1	-.00066	.00564
#2	-.00053	.00589
Check ?	Chk Fail	Chk Fail
Value	.02000	.01500
Range	-30.000%	-30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5208.1**	**96929.**	**7510.3**
Stddev	32.1	622.	1592.4
%RSD	.61645	.64210	21.202
#1	5230.8	97369.	8636.3
#2	5185.4	96489.	6384.4

Sample Name: 280-19465-c-2-a Acquired: 8/27/2011 5:27:29 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82951 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00054	.00053	.00758	-.00093	-.00134	-.00002	-.00295	-.01029	-.00043	-.00007
Stddev	.00020	.00075	.00119	.00013	.00125	.00007	.00089	.00412	.00014	.00016
%RSD	37.757	142.50	15.728	13.996	93.446	450.51	30.230	40.067	31.346	235.79
#1	.00039	.00106	.00842	-.00102	-.00223	.00003	-.00358	-.01321	-.00053	.00004
#2	.00068	.00000	.00673	-.00084	-.00045	-.00006	-.00232	-.00738	-.00034	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00025	-.00449	-.00070	-.10579	.00164	.00102	-.00002	-.00096	.22931	-.00034
Stddev	.00015	.00014	.00102	.03659	.00221	.00069	.00001	.00015	.02759	.00000
%RSD	59.292	3.1265	145.56	34.587	134.26	67.668	93.441	15.200	12.031	.91343
#1	.00014	-.00459	.00002	-.13167	.00008	.00053	-.00003	-.00086	.24882	-.00034
#2	.00035	-.00439	-.00143	-.07992	.00320	.00151	-.00001	-.00106	.20980	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00104	-.00106	.01881	-.00099	W -.00650	-.02046	-.00039	-.00002	-.00007	.00024
Stddev	.00029	.00011	.00185	.00130	.00247	.00819	.00047	.00000	.00133	.00032
%RSD	28.364	10.367	9.8632	131.79	37.958	40.018	121.84	16.487	1876.1	132.41
#1	-.00083	-.00098	.02012	-.00007	-.00824	-.01467	-.00072	-.00002	.00087	.00002
#2	-.00125	-.00114	.01749	-.00191	-.00475	-.02625	-.00005	-.00002	-.00101	.00047
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00295	-.04116	-.00107	-.00067	.00469
Stddev	.00068	.00125	.00007	.00013	.00122
%RSD	23.074	3.0349	6.8885	19.511	25.958
#1	.00247	-.04204	-.00112	-.00077	.00555
#2	.00343	-.04028	-.00102	-.00058	.00383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5233.1	98758.	6816.4
Stddev	122.0	1983.	1850.0
%RSD	2.3318	2.0076	27.141
#1	5319.4	97356.	8124.5
#2	5146.8	100160.	5508.2

Sample Name: 280-19465-c-3-a Acquired: 8/27/2011 5:30:06 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82951 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00123**	**.00597**	**-.00120**	**-.00129**	**-.00001**	**-.00158**	**-.00844**	**-.00053**	**.00011**
Stddev	.00040	.00063	.00123	.00020	.00147	.00007	.00218	.00024	.00007	.00001
%RSD	170.36	51.362	20.620	16.511	114.11	1108.5	138.32	2.8836	13.571	10.256
#1	.00052	.00168	.00684	-.00106	-.00233	-.00006	-.00003	-.00827	-.00058	.00010
#2	-.00005	.00079	.00510	-.00134	-.00025	.00004	-.00312	-.00862	-.00048	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**-.00489**	**-.00096**	**-.06033**	**.00413**	**-.00116**	**-.00002**	**-.00100**	**.22363**	**-.00023**
Stddev	.00002	.00004	.00001	.07392	.00276	.00040	.00001	.00006	.01841	.00044
%RSD	5.2476	.80760	1.5095	122.51	66.868	34.597	72.463	6.4678	8.2344	193.57
#1	.00034	-.00491	-.00097	-.11260	.00217	-.00088	-.00003	-.00096	.23665	.00008
#2	.00037	-.00486	-.00095	-.00807	.00608	-.00144	-.00001	-.00105	.21061	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00087**	**-.00067**	**.01757**	**-.00097**	W **-.00548**	**-.01084**	**-.00029**	**.00006**	**-.00079**	**.00012**
Stddev	.00013	.00149	.00051	.00030	.00348	.00141	.00019	.00002	.00112	.00024
%RSD	14.442	223.62	2.9154	30.676	63.559	13.016	64.749	34.139	141.67	198.39
#1	-.00095	.00039	.01793	-.00076	-.00302	-.00984	-.00043	.00005	-.00159	.00029
#2	-.00078	-.00172	.01720	-.00118	-.00794	-.01184	-.00016	.00007	.00000	-.00005
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00342**	W **-.05188**	**-.00119**	**-.00067**	**.00522**
Stddev	.00150	.02975	.00049	.00009	.00172
%RSD	43.883	57.353	41.269	13.604	32.963
#1	.00236	-.03084	-.00085	-.00061	.00643
#2	.00449	-.07292	-.00154	-.00074	.00400
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5206.7**	**100970.**	**6797.4**
Stddev	75.9	5873.	1736.4
%RSD	1.4578	5.8165	25.546
#1	5260.4	96819.	8025.3
#2	5153.0	105130.	5569.6

Sample Name: 280-19465-c-4-a Acquired: 8/27/2011 5:32:41 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82951 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00020	.00025	.00443	-.00104	-.00117	-.00008	-.00076	-.00781	-.00056	.00021
Stddev	.00027	.00004	.00053	.00004	.00155	.00001	.00069	.00348	.00018	.00021
%RSD	130.25	14.995	11.991	4.1690	131.94	15.728	90.581	44.533	31.443	102.08
#1	.00002	.00022	.00405	-.00107	-.00226	-.00007	-.00027	-.01027	-.00069	.00006
#2	.00039	.00027	.00480	-.00101	-.00008	-.00009	-.00124	-.00535	-.00044	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00028	-.00496	-.00081	-.05966	.00447	-.00023	-.00001	-.00082	.22077	-.00045
Stddev	.00003	.00013	.00317	.09947	.00538	.00197	.00002	.00006	.02883	.00016
%RSD	12.313	2.5996	391.16	166.73	120.37	840.65	158.96	6.7661	13.058	35.683
#1	.00031	-.00487	.00143	-.13000	.00066	.00116	.00000	-.00078	.24115	-.00056
#2	.00026	-.00505	-.00305	.01068	.00827	-.00162	-.00003	-.00086	.20038	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00054	-.00135	.01534	-.00148	-.00484	-.01849	-.00013	.00005	-.00055	.00030
Stddev	.00052	.00094	.00058	.00036	.00153	.00893	.00004	.00009	.00201	.00012
%RSD	94.726	69.272	3.7796	24.387	31.629	48.290	33.408	180.08	366.01	39.643
#1	-.00018	-.00202	.01493	-.00174	-.00592	-.02480	-.00010	-.00001	.00087	.00038
#2	-.00091	-.00069	.01575	-.00123	-.00375	-.01217	-.00016	.00011	-.00197	.00022
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00354	-.03590	-.00123	-.00063	.00605
Stddev	.00086	.00908	.00004	.00034	.00106
%RSD	24.429	25.288	3.3090	54.269	17.586
#1	.00293	-.04232	-.00125	-.00087	.00680
#2	.00415	-.02948	-.00120	-.00039	.00529
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5212.6	98496.	6799.0
Stddev	31.0	558.	1822.4
%RSD	.59406	.56613	26.805
#1	5234.5	98101.	8087.6
#2	5190.7	98890.	5510.3

Sample Name: 280-19465-c-5-a Acquired: 8/27/2011 5:35:19 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82951 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00042	-.00002	.00502	-.00080	-.00134	-.00006	-.00412	-.00929	-.00062	.00009
Stddev	.00036	.00010	.00026	.00017	.00135	.00009	.00095	.00015	.00005	.00001
%RSD	85.818	463.91	5.1369	21.574	100.68	149.60	23.144	1.5794	7.4677	11.324
#1	.00016	.00005	.00520	-.00092	-.00230	.00000	-.00344	-.00919	-.00065	.00010
#2	.00067	-.00009	.00483	-.00068	-.00039	-.00013	-.00479	-.00940	-.00059	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00032	-.00480	-.00201	-.10670	.00279	-.00053	.00000	-.00092	.21057	-.00061
Stddev	.00009	.00001	.00343	.03052	.00091	.00088	.00002	.00022	.03000	.00007
%RSD	26.613	.28650	170.87	28.608	32.763	165.68	1192.1	23.893	14.249	10.751
#1	.00038	-.00479	.00042	-.12828	.00214	.00009	-.00001	-.00108	.23179	-.00056
#2	.00026	-.00481	-.00443	-.08511	.00343	-.00115	.00002	-.00077	.18935	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00067	.00022	.01773	-.00042	-.00371	.00284	-.00068	-.00001	.00113	.00045
Stddev	.00081	.00011	.00270	.00189	.00181	.00498	.00007	.00005	.00083	.00016
%RSD	121.91	49.451	15.237	445.46	48.664	175.09	10.562	390.25	72.981	36.002
#1	-.00009	.00030	.01964	-.00176	-.00244	-.00068	-.00063	-.00005	.00055	.00056
#2	-.00124	.00014	.01582	.00091	-.00499	.00637	-.00073	.00002	.00172	.00033
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00296	-.04345	-.00093	-.00059	.00368
Stddev	.00071	.03858	.00013	.00008	.00342
%RSD	23.955	88.781	14.127	13.148	92.952
#1	.00246	-.01617	-.00102	-.00065	.00609
#2	.00346	-.07073	-.00084	-.00054	.00126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5245.7	98661.	6865.7
Stddev	65.1	752.	1687.6
%RSD	1.2412	.76259	24.581
#1	5291.7	98129.	8059.0
#2	5199.6	99193.	5672.4

Sample Name: 280-19465-c-6-a Acquired: 8/27/2011 5:37:56 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82951 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00097**	**.00647**	**-.00081**	**-.00087**	**-.00004**	**-.00148**	**-.00919**	**-.00055**	**.00011**
Stddev	.00030	.00114	.00184	.00016	.00058	.00003	.00075	.00402	.00009	.00006
%RSD	491.03	117.78	28.379	20.077	66.360	69.612	50.744	43.778	15.711	60.632
#1	-.00015	.00178	.00777	-.00093	-.00128	-.00002	-.00201	-.00634	-.00049	.00006
#2	.00028	.00016	.00517	-.00070	-.00046	-.00006	-.00095	-.01203	-.00061	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**-.00464**	**-.00115**	**-.07912**	**.00329**	**-.00029**	**.00000**	**-.00096**	**.18321**	**-.00050**
Stddev	.00002	.00038	.00032	.03187	.00034	.00014	.0000	.00006	.01599	.00010
%RSD	5.0259	8.1974	27.741	40.287	10.340	47.986	731.46	5.7228	8.7250	19.975
#1	.00033	-.00491	-.00138	-.10166	.00353	-.00039	-.00001	-.00092	.19452	-.00057
#2	.00035	-.00437	-.00092	-.05658	.00305	-.00019	.00001	-.00100	.17191	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00091**	**-.00160**	**.02151**	**-.00257**	**-.00441**	**-.01540**	**-.00054**	**.00010**	**.00031**	**.00010**
Stddev	.00017	.00003	.00359	.00009	.00272	.01496	.00061	.00018	.00129	.00014
%RSD	18.174	1.8478	16.687	3.5180	61.760	97.130	112.14	182.19	419.77	139.77
#1	-.00080	-.00162	.02405	-.00251	-.00248	-.02598	-.00011	-.00003	-.00060	.00020
#2	-.00103	-.00158	.01897	-.00263	-.00634	-.00482	-.00097	.00022	.00122	.00000
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00323**	W **-.06001**	**-.00096**	**-.00040**	**.00414**
Stddev	.00057	.01079	.00001	.00008	.00173
%RSD	17.795	17.981	.77893	19.326	41.768
#1	.00282	-.05238	-.00096	-.00034	.00292
#2	.00363	-.06764	-.00097	-.00045	.00536
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5337.0**	**99073.**	**6151.4**
Stddev	26.9	1187.	550.2
%RSD	.50441	1.1976	8.9450
#1	5317.9	99912.	6540.5
#2	5356.0	98234.	5762.3

Sample Name: 280-19465-c-7-a Acquired: 8/27/2011 5:40:32 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82951 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00041	.00045	.00534	-.00087	-.00139	.00000	-.00315	-.01119	-.00052	.00017
Stddev	.00003	.00031	.00094	.00020	.00137	.00005	.00329	.00212	.00003	.00009
%RSD	6.9470	69.877	17.653	22.720	98.108	1879.5	104.33	18.925	5.8658	52.772
#1	.00039	.00067	.00601	-.00073	-.00236	-.00003	-.00083	-.01269	-.00054	.00011
#2	.00043	.00023	.00468	-.00101	-.00043	.00004	-.00547	-.00969	-.00050	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	-.00472	.00081	-.12766	.00231	.00038	-.00001	-.00099	.20260	-.00019
Stddev	.00001	.00013	.00154	.07018	.00098	.00031	.00000	.00014	.03486	.00014
%RSD	2.7147	2.7077	189.99	54.976	42.324	80.760	9.3869	14.524	17.207	75.920
#1	.00022	-.00481	.00189	-.17728	.00162	.00016	-.00001	-.00109	.22725	-.00009
#2	.00022	-.00462	-.00028	-.07803	.00300	.00059	-.00001	-.00089	.17795	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00108	-.00050	.01985	-.00153	W -.00506	-.02119	-.00013	.00002	.00023	.00018
Stddev	.00038	.00065	.00075	.00082	.00008	.00026	.00052	.00000	.00000	.00002
%RSD	35.243	130.56	3.7872	53.941	1.5106	1.2401	405.44	20.825	.44155	13.167
#1	-.00081	-.00096	.02039	-.00211	-.00511	-.02138	.00024	.00002	.00023	.00016
#2	-.00135	-.00004	.01932	-.00094	-.00500	-.02101	-.00049	.00002	.00023	.00020
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00320	-.03723	-.00087	-.00056	.00429
Stddev	.00020	.00533	.00017	.00020	.00329
%RSD	6.2715	14.305	19.051	35.738	76.723
#1	.00334	-.04099	-.00075	-.00070	.00662
#2	.00306	-.03346	-.00099	-.00041	.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5265.8	99243.	6934.0
Stddev	95.6	666.	1862.5
%RSD	1.8161	.67146	26.860
#1	5333.4	98772.	8251.0
#2	5198.2	99714.	5617.0

Sample Name: CCVH-940568 Acquired: 8/27/2011 5:43:09 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.00010**	**.00419**	**-.00097**	**-.00121**	**-.00009**	F **-.00213**	**-.01026**	**-.00056**	**.00010**	**.00029**
Stddev	.00029	.00049	.00038	.00028	.00144	.00001	.00080	.00156	.00001	.00004	.00005
%RSD	60.382	493.95	9.0839	28.976	118.60	13.454	37.669	15.210	2.4515	37.145	18.268
#1	.00028	-.00025	.00446	-.00077	-.00223	-.00008	-.00269	-.01136	-.00055	.00013	.00025
#2	.00069	.00045	.00392	-.00117	-.00020	-.00010	-.00156	-.00915	-.00057	.00008	.00033
Check ?	None	None	None	None	None	None	Chk Fail	None	None	None	None
Value							1.0000				
Range							-10.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00429**	F **-.00046**	**-.10526**	**.00327**	**-.00140**	**-.00002**	**-.00099**	**.20568**	**-.00038**	**-.00132**	**-.00054**
Stddev	.00027	.00197	.00271	.00217	.00011	.00002	.00025	.02170	.00018	.00119	.00090
%RSD	6.3555	430.12	2.5771	66.257	7.6954	143.73	25.029	10.552	47.465	90.145	165.30
#1	-.00449	.00094	-.10334	.00174	-.00148	.00000	-.00082	.22102	-.00051	-.00048	-.00118
#2	-.00410	-.00185	-.10718	.00480	-.00133	-.00003	-.00117	.19033	-.00025	-.00216	.00009
Check ?	None	Chk Fail	None	None	None	None	None	None	None	None	None
Value		50.000									
Range		-10.000%									

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01684**	**-.00204**	**-.00576**	**-.02121**	**-.00023**	**-.00004**	F **-.00054**	**.00023**	**.00348**	F **-.03645**	**-.00138**
Stddev	.00024	.00062	.00039	.00297	.00079	.00002	.00038	.00029	.00000	.00075	.00014
%RSD	1.4137	30.218	6.7582	14.001	343.33	44.308	71.207	125.61	.07807	2.0496	10.363
#1	.01667	-.00248	-.00603	-.02331	-.00079	-.00005	-.00081	.00003	.00348	-.03592	-.00148
#2	.01700	-.00161	-.00548	-.01911	.00033	-.00002	-.00027	.00043	.00348	-.03698	-.00128
Check ?	None	None	None	None	None	None	Chk Fail	None	None	Chk Fail	None
Value							5.0000			10.000	
Range							-10.000%			-10.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00057**	**.00384**
Stddev	.00016	.00051
%RSD	28.936	13.356
#1	-.00068	.00348
#2	-.00045	.00420
Check ?	None	None
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	5293.0	97999.	6499.9
Stddev	76.9	906.	1253.3
%RSD	1.4524	.92430	19.282
#1	5347.3	97358.	7386.1
#2	5238.6	98639.	5613.7

Sample Name: CCV-940591 Acquired: 8/27/2011 5:45:47 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00043**	F **-.00091**	F **.00626**	F **-.00088**	F **-.00091**	F **-.00010**	**-.00234**	F **-.01201**	F **-.00056**	F **.00004**	F **.00024**
Stddev	.00025	.00016	.00142	.00005	.00048	.00002	.00028	.00074	.00011	.00007	.00007
%RSD	58.368	18.139	22.600	5.9139	52.936	24.996	11.780	6.1449	19.008	165.99	29.366
#1	.00061	-.00103	.00726	-.00084	-.00125	-.00008	-.00214	-.01253	-.00063	.00009	.00019
#2	.00025	-.00079	.00526	-.00092	-.00057	-.00011	-.00253	-.01149	-.00048	-.00001	.00029
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	.50000	1.0000	.50000	.50000	.50000		5.0000	.50000	.50000	.50000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%	-10.000%	-10.000%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00471**	F **-.00203**	F **-.04140**	F **.00529**	F **-.00107**	F **.00003**	F **-.00086**	F **.20407**	F **-.00043**	F **-.00256**	F **-.00145**
Stddev	.00021	.00197	.05801	.00226	.00003	.00003	.00020	.00387	.00013	.00086	.00039
%RSD	4.4333	96.772	140.14	42.786	2.8283	121.11	23.350	1.8977	30.835	33.628	26.766
#1	-.00456	-.00343	-.08242	.00369	-.00109	.00005	-.00100	.20681	-.00033	-.00316	-.00118
#2	-.00485	-.00064	-.00038	.00689	-.00105	.00000	-.00072	.20133	-.00052	-.00195	-.00172
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	2.5000	50.000	1.0000	20.000	.50000	.50000	5.0000	.50000	1.0000	1.0000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01972**	F **-.00224**	F **-.00403**	F **-.01460**	F **-.00030**	F **-.00003**	**.00132**	F **.00019**	F **.00334**	**-.05579**	F **-.00101**
Stddev	.00208	.00074	.00260	.00670	.00049	.00000	.00027	.00041	.00019	.02034	.00001
%RSD	10.541	33.185	64.462	45.882	161.55	8.1875	20.536	208.70	5.6287	36.455	.54276
#1	.01825	-.00276	-.00587	-.01933	-.00065	-.00003	.00113	.00048	.00347	-.04141	-.00101
#2	.02119	-.00171	-.00219	-.00986	.00004	-.00003	.00152	-.00009	.00320	-.07017	-.00101
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	None	Chk Fail
Value		1.0000	1.0000	5.0000	1.0000	.50000		.50000	1.0000		.50000
Range		-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%		-10.000%

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	F **-.00069**	F **.00526**
Stddev	.00012	.00242
%RSD	17.586	46.053
#1	-.00060	.00697
#2	-.00077	.00355
Check ?	Chk Fail	Chk Fail
Value	.50000	.50000
Range	-10.000%	-10.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5232.6**	**95774.**	**6199.6**
Stddev	46.4	2456.	636.0
%RSD	.88672	2.5639	10.258
#1	5265.4	97510.	6649.2
#2	5199.8	94038.	5749.9

Sample Name: CCB Acquired: 8/27/2011 5:48:32 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**-.00042**	W **.00744**	**-.00061**	F **-.00136**	**-.00003**	**.00008**	**-.00825**	W **-.00060**	**.00006**
Stddev	.00018	.00033	.00052	.00056	.00120	.00004	.00291	.00326	.00007	.00005
%RSD	57.241	79.215	7.0417	92.013	87.754	118.41	3847.0	39.494	11.103	95.164
#1	.00043	-.00018	.00781	-.00101	-.00221	-.00001	.00213	-.01056	-.00055	.00002
#2	.00018	-.00065	.00707	-.00021	-.00052	-.00006	-.00198	-.00595	-.00065	.00009
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass
High Limit			.00440		.00115				.00045	
Low Limit			-.00440		-.00115				-.00045	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	F **-.00481**	**.00008**	**-.08436**	W **.00409**	**-.00006**	**.00000**	**-.00102**	F **.21398**	**-.00071**
Stddev	.00010	.00012	.00028	.02493	.00205	.00199	.0000	.00001	.03720	.00036
%RSD	35.816	2.5457	343.38	29.551	50.035	3384.6	154.76	1.1316	17.384	51.168
#1	.00036	-.00489	.00028	-.10199	.00264	.00135	-.00001	-.00101	.24028	-.00096
#2	.00022	-.00472	-.00012	-.06673	.00553	-.00147	.00000	-.00102	.18768	-.00045
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		.00272			.00261				.10000	
Low Limit		-.00272			-.00261				-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**-.00034**	**.02129**	**-.00062**	W **-.00520**	**-.01645**	**-.00030**	**-.00001**	**.00019**	**.00030**
Stddev	.00022	.00050	.00112	.00105	.00030	.01345	.00018	.00008	.00077	.00017
%RSD	56.664	148.47	5.2553	168.79	5.7352	81.736	57.807	584.61	408.15	56.025
#1	.00024	-.00069	.02208	-.00136	-.00541	-.00694	-.00043	-.00007	.00073	.00041
#2	.00055	.00002	.02050	.00012	-.00499	-.02596	-.00018	.00004	-.00036	.00018
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00486					
Low Limit					-.00486					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00251**	**-.04606**	**-.00106**	**-.00088**	F **.00665**
Stddev	.00008	.02221	.00046	.00009	.00084
%RSD	3.3467	48.221	43.134	9.7173	12.562
#1	.00257	-.03035	-.00138	-.00094	.00606
#2	.00245	-.06176	-.00074	-.00082	.00724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit					.00476
Low Limit					-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5377.4**	**99176.**	**6793.6**
Stddev	9.0	2214.	1758.5
%RSD	.16726	2.2328	25.885
#1	5383.8	100740.	8037.1
#2	5371.0	97611.	5550.2

Sample Name: CCVL946273 Acquired: 8/27/2011 5:51:09 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00026**	F **-.00043**	F **.00729**	F **-.00072**	F **-.00178**	F **.00000**	F **-.00231**	F **-.01180**	F **-.00039**	F **-.00002**	F **.00047**
Stddev	.00003	.00063	.00034	.00015	.00083	.00005	.00157	.00336	.00007	.00013	.00010
%RSD	10.857	145.25	4.7203	21.468	46.838	5827.3	67.884	28.437	18.270	581.56	22.331
#1	-.00028	-.00087	.00753	-.00061	-.00237	.00004	-.00341	-.01417	-.00034	.00007	.00054
#2	-.00024	.00001	.00705	-.00083	-.00119	-.00003	-.00120	-.00943	-.00044	-.00012	.00039
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01000	.10000	.01500	.10000	.01000	.00100	.10000	.20000	.00500	.01000	.01000
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00420**	F **-.00051**	F **-.11425**	F **.00563**	F **.00003**	F **-.00002**	F **-.00105**	F **.22207**	F **-.00040**	F **.00043**	F **-.00129**
Stddev	.00006	.00091	.03480	.00104	.00137	.00003	.00001	.01318	.00008	.00129	.00028
%RSD	1.4298	180.41	30.455	18.499	5085.6	186.97	.76895	5.9355	20.796	299.39	21.618
#1	-.00425	-.00115	-.13886	.00489	-.00094	-.00004	-.00106	.23139	-.00034	-.00048	-.00149
#2	-.00416	.00014	-.08965	.00636	.00100	.00001	-.00105	.21275	-.00046	.00134	-.00109
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01500	.10000	3.0000	.01000	.20000	.01000	.02000	1.0000	.04000	3.0000	.00900
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01927**	F **-.00121**	F **-.00391**	F **-.02064**	F **-.00078**	F **.00001**	F **.00015**	F **.00009**	F **.00333**	F **-.05322**	F **-.00078**
Stddev	.00019	.00005	.00239	.00591	.00041	.00001	.00039	.00019	.00071	.00519	.00000
%RSD	.99079	3.8480	61.220	28.652	52.632	110.26	263.48	198.56	21.265	9.7456	.42996
#1	.01914	-.00125	-.00560	-.02482	-.00049	.00001	-.00013	.00023	.00383	-.05689	-.00078
#2	.01941	-.00118	-.00222	-.01646	-.00107	.00000	.00042	-.00004	.00283	-.04956	-.00077
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value		.01000	.01500	.50000	.10000	.01000	.01500	.01000	.01500	.06000	.01000
Range		-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	F **-.00063**	F **.00546**
Stddev	.00019	.00162
%RSD	29.626	29.698
#1	-.00076	.00431
#2	-.00050	.00660
Check ?	Chk Fail	Chk Fail
Value	.02000	.01500
Range	-30.000%	-30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5226.6**	**97776.**	**7297.0**
Stddev	77.9	451.	1536.7
%RSD	1.4903	.46169	21.060
#1	5171.6	97457.	8383.6
#2	5281.7	98096.	6210.4

Sample Name: 280-19465-c-8-a Acquired: 8/27/2011 5:53:45 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82951 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00024**	s **.00327**	s **.00513**	s **-.00070**	k **-.00162**	k **-.00001**	s **-.00248**	k **-.00920**	s **-.00061**	s **.00016**
Stddev	.00003	.00194	.00208	.00022	.00111	.00002	.00218	.00299	.00023	.00000
%RSD	12.002	59.202	40.536	31.356	68.813	184.58	87.886	32.449	37.894	2.2319
#1	.00022	.00464	.00366	-.00086	-.00240	.00000	-.00094	-.01132	-.00044	.00016
#2	k .00026	s .00190	s .00660	s -.00055	k -.00083	k -.00003	s -.00402	k -.00709	s -.00077	s .00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **.00027**	k **-.00454**	**-.00051**	**-.10782**	**.00188**	k **-.00015**	**-.00005**	s **-.00098**	**.22976**	s **-.00029**
Stddev	.00014	.00020	.00032	.05515	.00331	.00146	.00001	.00001	.03983	.00050
%RSD	51.027	4.4201	62.163	51.152	176.21	996.67	21.012	.96244	17.337	172.06
#1	.00037	-.00439	-.00074	-.14683	-.00046	-.00118	-.00006	-.00098	.25792	-.00065
#2	s .00017	k -.00468	-.00029	-.06882	.00422	k .00088	-.00004	s -.00097	.20159	s .00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **.00062**	s **-.00064**	s **.01550**	s **-.00137**	sW **-.00502**	k **-.02335**	s **-.00105**	**.00002**	k **-.00030**	k **.00009**
Stddev	.00094	.00205	.01217	.00045	.00402	.01087	.00090	.00006	.00254	.00043
%RSD	152.48	319.48	78.523	32.811	80.008	46.559	85.810	344.11	851.39	459.33
#1	-.00005	-.00209	.02411	-.00169	-.00786	-.03104	-.00041	.00006	.00150	.00040
#2	s .00129	s .00081	s .00689	s -.00105	s -.00218	k -.01566	s -.00168	-.00002	k -.00209	k -.00021
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	s **.00284**	kW **-.06429**	k **-.00094**	k **-.00064**	k **.00600**
Stddev	.00107	.01821	.00003	.00003	.00032
%RSD	37.643	28.326	3.2164	4.7527	5.4075
#1	.00360	-.07716	-.00097	-.00062	.00577
#2	s .00209	k -.05141	k -.00092	k -.00066	k .00623
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	^ *****	**99562.**	**7216.4**
Stddev	-----	1200.	1758.4
%RSD	-----	1.2053	24.366
#1	5390.4	100410.	8459.7
#2	^ -----	98714.	5973.0

Sample Name: 280-19465-c-9-a Acquired: 8/27/2011 5:56:22 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82951 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00035**	s **.00153**	s **.00641**	s **-.00062**	k **-.00162**	k **-.00005**	s **-.00095**	**-.01056**	s **-.00062**	s **.00007**
Stddev	.00011	.00072	.00065	.00005	.00097	.00011	.00048	.00192	.00012	.00001
%RSD	32.479	47.146	10.218	8.4994	59.486	219.44	50.776	18.229	18.991	21.318
#1	.00027	.00102	.00687	-.00066	-.00231	.00003	-.00061	-.00920	-.00054	.00006
#2	k .00043	s .00204	s .00594	s -.00058	k -.00094	k -.00013	s -.00129	-.01192	s -.00071	s .00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **.00024**	k **-.00449**	**-.00042**	**-.09671**	**.00191**	k **.00061**	**.00002**	s **-.00110**	**.21906**	s **-.00019**
Stddev	.00009	.00018	.00116	.02173	.00144	.00111	.00006	.00011	.02018	.00056
%RSD	36.903	4.0086	278.17	22.467	75.425	181.49	259.17	9.7170	9.2141	289.75
#1	.00031	-.00462	-.00124	-.11207	.00089	-.00017	-.00002	-.00118	.23333	-.00059
#2	s .00018	k -.00436	.00040	-.08134	.00292	k .00139	.00006	s -.00102	.20479	s .00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **-.00017**	s **-.00088**	s **.01175**	s **-.00064**	sW **-.00507**	k **-.01200**	s **-.00013**	**.00003**	k **-.00061**	k **.00031**
Stddev	.00081	.00053	.01162	.00029	.00226	.00722	.00033	.00002	.00063	.00007
%RSD	470.13	60.119	98.828	45.391	44.583	60.175	253.24	71.604	103.84	21.448
#1	-.00075	-.00125	.01997	-.00085	-.00666	-.01710	.00010	.00001	-.00105	.00035
#2	s .00040	s -.00050	s .00354	s -.00044	s -.00347	k -.00689	s -.00036	.00004	k -.00016	k .00026
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	s **.00237**	kW **-.06242**	k **-.00141**	k **-.00044**	k **.00395**
Stddev	.00015	.00751	.00011	.00016	.00242
%RSD	6.3318	12.029	7.7269	35.268	61.294
#1	.00248	-.06772	-.00133	-.00055	.00566
#2	s .00226	k -.05711	k -.00148	k -.00033	k .00224
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	^ *****	**99988.**	**7243.4**
Stddev	-----	146.	1756.9
%RSD	-----	.14645	24.255
#1	5426.8	100090.	8485.7
#2	^ -----	99884.	6001.1

Sample Name: 280-19465-c-10-a Acquired: 8/27/2011 5:58:57 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82951 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**-.00046**	**.00361**	**-.00060**	**-.00156**	**-.00010**	**-.00385**	**-.01015**	**-.00054**	**.00026**
Stddev	.00013	.00056	.00030	.00002	.00128	.00001	.00234	.00119	.00001	.00001
%RSD	37.995	121.25	8.4396	3.8734	81.780	9.1274	60.735	11.709	2.4958	5.3633
#1	.00025	-.00086	.00383	-.00059	-.00246	-.00010	-.00551	-.01100	-.00053	.00027
#2	.00043	-.00007	.00340	-.00062	-.00066	-.00011	-.00220	-.00931	-.00055	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.00435**	**.00104**	**-.11015**	**.00434**	**-.00026**	**.00002**	**-.00105**	**.20464**	**-.00030**
Stddev	.00005	.00010	.00166	.07014	.00151	.00064	.00001	.00007	.02081	.00003
%RSD	21.197	2.1922	159.31	63.680	34.701	245.62	63.845	6.9408	10.168	11.412
#1	.00020	-.00442	-.00013	-.15975	.00328	-.00072	.00003	-.00100	.21935	-.00028
#2	.00027	-.00429	.00221	-.06055	.00541	.00019	.00001	-.00110	.18993	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00080**	**-.00022**	**.01731**	**-.00168**	**-.00498**	**-.01835**	**-.00042**	**.00000**	**-.00045**	**.00014**
Stddev	.00085	.00165	.00288	.00110	.00040	.00321	.00031	.00006	.00036	.00002
%RSD	105.88	737.07	16.665	65.612	8.0358	17.470	74.895	6979.8	78.610	13.154
#1	-.00020	.00094	.01935	-.00090	-.00470	-.02061	-.00064	-.00004	-.00020	.00012
#2	-.00140	-.00139	.01527	-.00246	-.00527	-.01608	-.00020	.00004	-.00071	.00015
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00261**	W **-.05082**	**-.00112**	**-.00070**	**.00526**
Stddev	.00126	.01342	.00017	.00046	.00100
%RSD	48.232	26.401	15.632	65.907	18.966
#1	.00172	-.06031	-.00124	-.00037	.00456
#2	.00350	-.04133	-.00099	-.00103	.00597
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5246.8**	**98769.**	**7043.6**
Stddev	56.4	700.	1796.7
%RSD	1.0757	.70860	25.509
#1	5286.7	98274.	8314.1
#2	5206.8	99264.	5773.1

Sample Name: 280-19465-c-11-a Acquired: 8/27/2011 6:01:33 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82951 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00045	-.00073	.00668	-.00086	-.00116	-.00006	-.00223	-.01020	-.00049	.00002
Stddev	.00034	.00037	.00130	.00050	.00098	.00003	.00066	.00126	.00014	.00004
%RSD	76.003	50.701	19.515	57.575	84.871	55.416	29.428	12.304	29.650	198.52
#1	.00069	-.00047	.00575	-.00051	-.00186	-.00004	-.00177	-.00931	-.00039	.00005
#2	.00021	-.00099	.00760	-.00121	-.00046	-.00009	-.00270	-.01109	-.00059	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00030	-.00466	.00159	-.07357	.00330	.00029	.00002	-.00109	.18946	-.00041
Stddev	.00003	.00020	.00023	.02756	.00204	.00010	.00003	.00026	.04099	.00014
%RSD	10.465	4.3525	14.368	37.464	61.763	35.659	161.54	24.189	21.636	35.180
#1	.00032	-.00452	.00143	-.09306	.00186	.00036	.00004	-.00127	.21845	-.00031
#2	.00028	-.00480	.00175	-.05408	.00474	.00022	.00000	-.00090	.16048	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00122	-.00004	.02035	-.00208	-.00424	-.01732	-.00055	.00002	.00023	.00020
Stddev	.00019	.00041	.00444	.00072	.00416	.00598	.00001	.00012	.00008	.00018
%RSD	15.875	906.74	21.821	34.511	98.062	34.536	1.8699	597.72	34.692	90.317
#1	-.00108	-.00033	.02349	-.00157	-.00130	-.01309	-.00056	.00010	.00028	.00007
#2	-.00135	.00024	.01721	-.00258	-.00718	-.02155	-.00054	-.00006	.00017	.00033
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00278	-.03025	-.00092	-.00052	.00393
Stddev	.00036	.01323	.00003	.00003	.00083
%RSD	13.124	43.735	3.8031	6.3551	21.244
#1	.00303	-.02089	-.00089	-.00054	.00334
#2	.00252	-.03960	-.00094	-.00050	.00452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5254.0	99480.	6487.6
Stddev	31.5	77.	1193.5
%RSD	.59901	.07704	18.397
#1	5276.2	99535.	7331.6
#2	5231.7	99426.	5643.6

Sample Name: 280-19465-c-12-a Acquired: 8/27/2011 6:04:09 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82951 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**-.00015**	**.00473**	**-.00117**	**-.00161**	**.00001**	**-.00134**	**-.01080**	**-.00054**	**.00006**
Stddev	.00007	.00144	.00146	.00013	.00103	.00002	.00036	.00024	.00005	.00024
%RSD	9.2387	948.28	30.809	11.195	63.887	152.60	26.538	2.2131	9.4492	375.62
#1	.00068	.00087	.00370	-.00126	-.00234	.00002	-.00160	-.01063	-.00058	-.00011
#2	.00077	-.00117	.00576	-.00107	-.00088	.00000	-.00109	-.01097	-.00051	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**-.00499**	**-.00054**	**-.11435**	**.00424**	**-.00127**	**.00001**	**-.00105**	**.22043**	**-.00029**
Stddev	.00014	.00001	.00056	.05185	.00286	.00042	.00001	.00004	.02555	.00016
%RSD	53.143	.20962	102.92	45.338	67.560	33.393	111.46	4.1937	11.591	53.572
#1	.00017	-.00498	-.00093	-.15101	.00221	-.00097	.00000	-.00102	.23850	-.00018
#2	.00037	-.00499	-.00015	-.07769	.00626	-.00157	.00002	-.00108	.20237	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00061**	**-.00045**	**.01880**	**-.00132**	**-.00452**	**-.01561**	**-.00032**	**.00004**	**.00001**	**.00041**
Stddev	.00243	.00093	.00175	.00155	.00026	.00033	.00016	.00008	.00055	.00017
%RSD	396.47	205.98	9.3122	117.12	5.8316	2.1157	49.327	202.91	4499.0	41.660
#1	.00110	-.00111	.02004	-.00242	-.00471	-.01584	-.00043	-.00002	-.00037	.00053
#2	-.00233	.00021	.01756	-.00023	-.00433	-.01537	-.00021	.00010	.00040	.00029
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00341**	W **-.06202**	**-.00107**	**-.00074**	**.00715**
Stddev	.00050	.01464	.00018	.00011	.00234
%RSD	14.648	23.609	16.961	15.012	32.676
#1	.00306	-.05167	-.00119	-.00066	.00880
#2	.00376	-.07238	-.00094	-.00082	.00550
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5229.7**	**98984.**	**7341.4**
Stddev	41.2	255.	1708.4
%RSD	.78828	.25716	23.271
#1	5258.8	98804.	8549.4
#2	5200.5	99164.	6133.4

Sample Name: 280-19465-c-13-a Acquired: 8/27/2011 6:06:47 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82951 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**-.00053**	**.00483**	**-.00077**	**-.00224**	**.00000**	**-.00154**	**-.01091**	**-.00064**	**.00001**
Stddev	.00053	.00078	.00186	.00047	.00036	.0000	.00048	.00083	.00008	.00010
%RSD	86.433	145.77	38.488	61.615	15.929	21483.	31.296	7.5877	12.143	1335.9
#1	.00024	-.00108	.00615	-.00043	-.00249	-.00003	-.00120	-.01150	-.00059	-.00007
#2	.00098	.00002	.00352	-.00110	-.00199	.00003	-.00188	-.01033	-.00070	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00488**	**.00012**	**-.12090**	**.00101**	**-.00099**	**-.00001**	**-.00108**	**.22441**	**-.00033**
Stddev	.00003	.00031	.00038	.02424	.00048	.00026	.00004	.00020	.00590	.00001
%RSD	43.661	6.2956	327.52	20.046	47.025	25.873	254.03	18.262	2.6291	2.5536
#1	.00005	-.00510	-.00015	-.10376	.00135	-.00081	-.00004	-.00094	.22858	-.00032
#2	.00009	-.00466	.00038	-.13803	.00068	-.00118	.00001	-.00122	.22024	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00066**	**-.00074**	**.01717**	**-.00130**	**-.00478**	**-.01448**	**-.00017**	**-.00002**	**.00124**	**.00008**
Stddev	.00008	.00117	.00182	.00105	.00172	.00413	.00014	.00006	.00149	.00012
%RSD	12.431	157.32	10.587	80.490	35.963	28.531	80.826	331.96	119.43	154.39
#1	-.00060	.00008	.01588	-.00204	-.00357	-.01740	-.00027	.00002	.00229	.00017
#2	-.00071	-.00157	.01845	-.00056	-.00600	-.01155	-.00007	-.00006	.00019	-.00001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00312**	W **-.07245**	**-.00115**	**-.00069**	**.00614**
Stddev	.00029	.00277	.00020	.00001	.00171
%RSD	9.1907	3.8271	17.219	.95767	27.874
#1	.00292	-.07441	-.00128	-.00070	.00735
#2	.00332	-.07048	-.00101	-.00069	.00493
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5278.5**	**98306.**	**7876.4**
Stddev	124.6	1026.	1000.9
%RSD	2.3607	1.0436	12.708
#1	5366.6	99032.	8584.2
#2	5190.3	97581.	7168.7

Sample Name: CCVH-940568 Acquired: 8/27/2011 6:09:24 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.00028**	**.00653**	**-.00082**	**-.00181**	**-.00002**	F **-.00230**	**-.00885**	**-.00056**	**.00007**	**.00032**
Stddev	.00009	.00003	.00114	.00019	.00101	.00000	.00109	.00130	.00022	.00000	.00009
%RSD	12.933	9.9622	17.498	23.145	55.639	2.1048	47.289	14.739	38.664	3.3941	29.487
#1	.00065	.00026	.00734	-.00096	-.00252	-.00002	-.00307	-.00977	-.00041	.00006	.00039
#2	.00078	.00030	.00572	-.00069	-.00110	-.00002	-.00153	-.00792	-.00071	.00007	.00025
Check ?	None	None	None	None	None	None	Chk Fail	None	None	None	None
Value							1.0000				
Range							-10.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00473**	F **-.00039**	**-.10940**	**.00381**	**.00078**	**.00002**	**-.00098**	**.20608**	**-.00046**	**-.00143**	**.00039**
Stddev	.00014	.00010	.06746	.00288	.00166	.00001	.00006	.02050	.00003	.00320	.00052
%RSD	3.0549	25.639	61.669	75.477	211.18	63.946	6.4264	9.9452	6.6512	224.80	132.37
#1	-.00483	-.00032	-.15710	.00178	-.00039	.00003	-.00103	.22058	-.00048	.00084	.00003
#2	-.00463	-.00047	-.06169	.00585	.00196	.00001	-.00094	.19159	-.00044	-.00369	.00076
Check ?	None	Chk Fail	None	None	None	None	None	None	None	None	None
Value		50.000									
Range		-10.000%									

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02009**	**.00075**	**-.00523**	**-.01258**	**-.00026**	**.00003**	F **.00044**	**.00014**	**.00393**	F **-.02765**	**-.00100**
Stddev	.00391	.00045	.00197	.02090	.00068	.00002	.00026	.00001	.00082	.00101	.00023
%RSD	19.458	60.527	37.769	166.16	263.62	52.432	59.970	3.7246	20.799	3.6408	23.028
#1	.02285	.00107	-.00383	-.02735	.00022	.00002	.00025	.00014	.00451	-.02694	-.00084
#2	.01732	.00043	-.00662	.00220	-.00073	.00005	.00063	.00015	.00335	-.02836	-.00116
Check ?	None	None	None	None	None	None	Chk Fail	None	None	Chk Fail	None
Value							5.0000			10.000	
Range							-10.000%			-10.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00097**	**.00578**
Stddev	.00001	.00020
%RSD	.59670	3.5430
#1	-.00098	.00564
#2	-.00097	.00593
Check ?	None	None
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5221.3**	**98556.**	**7215.8**
Stddev	1.9	490.	1607.8
%RSD	.03706	.49702	22.282
#1	5222.7	98903.	8352.7
#2	5220.0	98210.	6078.9

Sample Name: CCV-940591 Acquired: 8/27/2011 6:11:58 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00039**	F **-.00007**	F **.00740**	F **-.00125**	F **-.00193**	F **-.00003**	**-.00229**	F **-.01129**	F **-.00046**	F **.00021**	F **.00011**
Stddev	.00008	.00066	.00073	.00009	.00078	.00001	.00113	.00070	.00013	.00004	.00006
%RSD	21.470	945.70	9.8112	7.6063	40.526	17.875	49.618	6.2449	28.327	19.045	54.404
#1	.00033	.00040	.00689	-.00118	-.00248	-.00003	-.00148	-.01079	-.00037	.00024	.00007
#2	.00045	-.00054	.00791	-.00131	-.00137	-.00003	-.00309	-.01179	-.00056	.00018	.00016
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	.50000	1.0000	.50000	.50000	.50000		5.0000	.50000	.50000	.50000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%	-10.000%	-10.000%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00487**	F **-.00176**	F **-.10925**	F **.00027**	F **.00050**	F **.00000**	F **-.00093**	F **.19724**	F **-.00066**	F **.00006**	F **-.00104**
Stddev	.00040	.00016	.05787	.00287	.00031	.00003	.00038	.02401	.00014	.00106	.00047
%RSD	8.1741	8.8327	52.970	1053.7	61.736	803.03	41.135	12.173	20.852	1787.7	45.484
#1	-.00459	-.00165	-.15017	-.00176	.00072	-.00002	-.00066	.21421	-.00056	.00081	-.00137
#2	-.00515	-.00187	-.06833	.00230	.00028	.00003	-.00120	.18026	-.00076	-.00069	-.00070
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	2.5000	50.000	1.0000	20.000	.50000	.50000	5.0000	.50000	1.0000	1.0000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02027**	F **-.00159**	F **-.00417**	F **-.01511**	F **-.00068**	F **-.00008**	**-.00062**	F **.00046**	F **.00280**	**-.04261**	F **-.00109**
Stddev	.00362	.00130	.00018	.01093	.00004	.00013	.00045	.00051	.00005	.01322	.00013
%RSD	17.861	81.489	4.4234	72.346	6.5289	171.33	72.823	111.10	1.7557	31.035	12.087
#1	.01771	-.00067	-.00430	-.02284	-.00072	.00002	-.00030	.00083	.00284	-.03326	-.00099
#2	.02283	-.00251	-.00404	-.00738	-.00065	-.00017	-.00093	.00010	.00277	-.05196	-.00118
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	None	Chk Fail
Value		1.0000	1.0000	5.0000	1.0000	.50000		.50000	1.0000		.50000
Range		-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%		-10.000%

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	F **-.00073**	F **.00673**
Stddev	.00002	.00097
%RSD	2.8757	14.431
#1	-.00075	.00605
#2	-.00072	.00742
Check ?	Chk Fail	Chk Fail
Value	.50000	.50000
Range	-10.000%	-10.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5260.6**	**98143.**	**7339.1**
Stddev	65.9	1164.	1552.2
%RSD	1.2536	1.1855	21.150
#1	5213.9	98965.	8436.7
#2	5307.2	97320.	6241.5

Sample Name: CCB Acquired: 8/27/2011 6:14:33 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**-.00019**	W **.00497**	**-.00097**	F **-.00147**	**-.00011**	**-.00308**	**-.01023**	W **-.00057**	**.00014**
Stddev	.00022	.00041	.00055	.00019	.00097	.00004	.00003	.00397	.00007	.00006
%RSD	73.837	219.99	11.002	20.009	65.818	32.667	1.1120	38.844	11.711	42.239
#1	.00014	-.00048	.00458	-.00083	-.00215	-.00008	-.00305	-.01303	-.00062	.00010
#2	.00045	.00010	.00535	-.00111	-.00078	-.00013	-.00310	-.00742	-.00052	.00018
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass
High Limit			.00440		.00115				.00045	
Low Limit			-.00440		-.00115				-.00045	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	F **-.00492**	**-.00123**	**-.11047**	W **.00503**	**-.00083**	**-.00004**	**-.00097**	F **.20841**	**-.00028**
Stddev	.00006	.00032	.00151	.04115	.00196	.00057	.00003	.00031	.03802	.00008
%RSD	30.301	6.5519	122.21	37.252	39.089	69.117	83.153	32.149	18.244	28.818
#1	.00025	-.00515	-.00017	-.13957	.00364	-.00124	-.00002	-.00119	.23530	-.00022
#2	.00016	-.00469	-.00230	-.08137	.00641	-.00042	-.00006	-.00075	.18152	-.00033
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		.00272			.00261				.10000	
Low Limit		-.00272			-.00261				-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00003**	**.02413**	**-.00240**	W **-.00598**	**-.02786**	**-.00051**	**.00003**	**.00087**	**.00013**
Stddev	.00149	.00090	.00076	.00087	.00088	.00558	.00010	.00007	.00075	.00026
%RSD	1260.0	2941.8	3.1472	36.269	14.775	20.014	19.066	219.46	86.701	196.55
#1	-.00094	.00067	.02360	-.00302	-.00535	-.03180	-.00044	-.00002	.00034	-.00005
#2	.00117	-.00061	.02467	-.00179	-.00660	-.02392	-.00058	.00008	.00140	.00032
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00486					
Low Limit					-.00486					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00271**	F **-.06236**	**-.00072**	**-.00068**	W **.00473**
Stddev	.00004	.00622	.00023	.00023	.00015
%RSD	1.3168	9.9684	31.945	34.263	3.2251
#1	.00268	-.05797	-.00056	-.00084	.00462
#2	.00273	-.06676	-.00088	-.00052	.00484
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn
High Limit		.05000			.00238
Low Limit		-.05000			-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5187.2**	**98087.**	**7173.4**
Stddev	67.2	1400.	1652.3
%RSD	1.2949	1.4274	23.034
#1	5234.7	97097.	8341.8
#2	5139.7	99077.	6005.1

Sample Name: CCVL946273 Acquired: 8/27/2011 6:17:09 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kF **.00012**	sF **.00301**	sF **.00395**	sF **-.00101**	kF **-.00135**	kF **-.00008**	sF **-.00172**	F **-.00670**	sF **-.00066**	sF **.00006**	sF **.00026**
Stddev	.00008	.00311	.00042	.00014	.00150	.00004	.00103	.00486	.00028	.00022	.00013
%RSD	67.438	103.58	10.718	13.712	111.16	49.315	59.901	72.495	41.936	349.51	51.781
#1	.00018	.00080	.00425	-.00091	-.00242	-.00005	-.00099	-.01014	-.00046	.00022	.00035
#2	k .00006	s .00521	s .00365	s -.00110	k -.00029	k -.00011	s -.00245	-.00327	s -.00086	s -.00009	s .00016
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01000	.10000	.01500	.10000	.01000	.00100	.10000	.20000	.00500	.01000	.01000
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kF **-.00458**	F **-.00256**	F **-.10707**	F **.00268**	kF **.00004**	F **.00001**	sF **-.00087**	F **.19094**	sF **-.00023**	sF **-.00162**	sF **-.00126**
Stddev	.00017	.00138	.05454	.00024	.00231	.00001	.00031	.03201	.00044	.00168	.00128
%RSD	3.8035	54.064	50.943	8.9498	6240.0	77.872	36.182	16.766	191.27	103.79	101.62
#1	-.00446	-.00158	-.14564	.00251	-.00160	.00000	-.00109	.21358	-.00054	-.00281	-.00035
#2	k -.00470	-.00354	-.06850	.00285	k .00167	.00001	s -.00064	.16830	s .00008	s -.00043	s -.00216
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01500	.10000	3.0000	.01000	.20000	.01000	.02000	1.0000	.04000	3.0000	.00900
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **.01452**	sF **-.00258**	sF **-.00418**	kF **-.02283**	sF **.00020**	F **.00000**	kF **.00008**	kF **.00036**	sF **.00359**	kF **-.05433**	kF **-.00099**
Stddev	.00742	.00207	.00337	.00730	.00032	.00010	.00104	.00018	.00000	.00934	.00016
%RSD	51.079	80.282	80.727	31.973	162.36	2812.2	1240.8	50.665	.09393	17.201	16.654
#1	.01977	-.00405	-.00657	-.01767	.00042	-.00007	.00082	.00023	.00359	-.04772	-.00110
#2	s .00928	s -.00112	s -.00179	k -.02799	s -.00003	.00007	k -.00065	k .00049	s .00360	k -.06093	k -.00087
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value		.01000	.01500	.50000	.10000	.01000	.01500	.01000	.01500	.06000	.01000
Range		-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	kF **-.00067**	kF **.00539**
Stddev	.00015	.00096
%RSD	22.431	17.738
#1	-.00056	.00472
#2	k -.00078	k .00607
Check ?	Chk Fail	Chk Fail
Value	.02000	.01500
Range	-30.000%	-30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	^ *****	97623.	6579.6
Stddev	-----	402.	1512.6
%RSD	-----	.41212	22.989
#1	5262.4	97908.	7649.1
#2	^ -----	97339.	5510.0

Sample Name: mb 280-82952/1-a Acquired: 8/27/2011 6:19:45 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82952 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00001**	W **.00461**	**-.00063**	F **-.00151**	**.00001**	**-.00066**	**-.00947**	W **-.00067**	**.00031**
Stddev	.00027	.00062	.00171	.00023	.00120	.00001	.00090	.00221	.00006	.00008
%RSD	126.32	4565.0	37.119	35.661	79.204	113.13	136.48	23.297	9.6213	25.985
#1	.00002	-.00045	.00340	-.00047	-.00236	.00002	-.00130	-.01103	-.00071	.00036
#2	.00040	.00043	.00582	-.00079	-.00067	.00000	-.00002	-.00791	-.00062	.00025
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			.00441		.00127				.00045	
Low Limit			-.00441		-.00127				-.00045	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	F **-.00438**	**-.00137**	**-.08481**	W **.00418**	**.00042**	**-.00003**	**-.00089**	F **.21299**	**-.00010**
Stddev	.00009	.00012	.00114	.11024	.00643	.00040	.00001	.00011	.01792	.00015
%RSD	25.508	2.6949	83.223	129.99	153.96	95.318	19.698	12.130	8.4121	152.48
#1	.00042	-.00446	-.00056	-.16276	-.00037	.00014	-.00003	-.00097	.22565	.00001
#2	.00029	-.00430	-.00217	-.00686	.00872	.00071	-.00002	-.00081	.20032	-.00020
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		.00299			.00261				.20152	
Low Limit		-.00299			-.00261				-.20152	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00115**	**-.00019**	**.01681**	**-.00007**	W **-.00613**	**-.01213**	**.00019**	**.00002**	**-.00057**	**.00032**
Stddev	.00126	.00010	.00014	.00001	.00175	.01063	.00073	.00007	.00088	.00019
%RSD	109.66	53.897	.84346	12.078	28.595	87.662	374.10	308.04	153.96	60.296
#1	-.00204	-.00012	.01691	-.00008	-.00489	-.00461	-.00032	-.00003	.00005	.00018
#2	-.00026	-.00026	.01671	-.00007	-.00737	-.01964	.00071	.00007	-.00119	.00045
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00486					
Low Limit					-.00486					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00336**	W **-.03351**	**-.00101**	**-.00058**	**.00612**
Stddev	.00032	.00781	.00013	.00027	.00130
%RSD	9.4444	23.314	13.232	45.974	21.199
#1	.00358	-.03903	-.00111	-.00077	.00520
#2	.00314	-.02799	-.00092	-.00039	.00704
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.01610			
Low Limit		-.01610			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5207.1**	**98130.**	**6937.4**
Stddev	1.8	131.	1866.2
%RSD	.03415	.13302	26.900
#1	5208.4	98222.	8257.0
#2	5205.9	98037.	5617.8

Sample Name: lcs 280-82952/2-a Acquired: 8/27/2011 6:22:21 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82952 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00049**	F **.00059**	F **.00604**	F **-.00092**	F **-.00160**	F **-.00006**	F **-.00169**	F **-.01214**	F **-.00054**	F **.00011**
Stddev	.00001	.00061	.00063	.00058	.00106	.00001	.00064	.00063	.00014	.00005
%RSD	2.9016	103.27	10.414	62.392	65.963	23.041	37.782	5.1643	25.342	42.264
#1	.00050	.00016	.00648	-.00052	-.00235	-.00005	-.00124	-.01170	-.00063	.00014
#2	.00048	.00103	.00559	-.00133	-.00085	-.00007	-.00215	-.01259	-.00044	.00008
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	.05750	2.1600	1.0900	1.1000	2.2600	.05600	2.2000	55.000	.11000	.55000
Low Limit	.04300	1.7200	.86000	.89000	1.8000	.04400	1.8000	44.500	.08700	.44500

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00023**	F **-.00432**	F **-.00045**	F **-.07330**	F **.00254**	F **.00052**	F **-.00001**	F **-.00096**	F **.20599**	F **-.00033**
Stddev	.00010	.00021	.00184	.02241	.00512	.00029	.00001	.00055	.02653	.00014
%RSD	43.743	4.7773	405.28	30.573	201.78	55.096	74.208	57.597	12.878	41.385
#1	.00031	-.00418	.00085	-.08915	-.00108	.00073	-.00001	-.00135	.22475	-.00043
#2	.00016	-.00447	-.00176	-.05746	.00615	.00032	.00000	-.00057	.18723	-.00024
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	.26000	.28000	1.1400	57.000	1.1400	56.500	.55000	1.1000	56.000	.55500
Low Limit	.01800	.21500	.88000	44.500	.89000	46.000	.45000	.90000	45.500	.44500

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00316**	F **-.00023**	**.01913**	F **-.00121**	F **-.00455**	F **-.01541**	F **-.00010**	F **.00000**	F **.00035**	F **.00019**
Stddev	.00193	.00006	.00204	.00028	.00200	.00663	.00020	.00000	.00010	.00002
%RSD	61.230	24.350	10.659	22.792	43.835	43.042	206.04	194.64	27.297	10.023
#1	-.00452	-.00027	.01769	-.00101	-.00314	-.01072	-.00024	.00000	.00029	.00021
#2	-.00179	-.00019	.02058	-.00140	-.00596	-.02010	.00004	.00000	.00042	.00018
Check ?	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	11.100	.54500		.54000	2.2000	11.500	2.2600	1.1000	1.1500	1.1000
Low Limit	9.1000	.44500		.44000	1.8000	9.4000	1.7000	.91000	.85000	.90000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **.00379**	F **-.03723**	F **-.00123**	F **-.00078**	F **.00514**
Stddev	.00044	.00980	.00022	.00006	.00070
%RSD	11.705	26.326	17.951	8.2881	13.608
#1	.00410	-.03030	-.00107	-.00082	.00563
#2	.00348	-.04416	-.00138	-.00073	.00464
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	2.1600	2.3200	.56000	.55000	.62500
Low Limit	1.7600	1.7000	.44000	.42500	.37500

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5417.8**	**96057.**	**7332.8**
Stddev	117.0	2079.	1611.0
%RSD	2.1599	2.1643	21.970
#1	5335.0	97527.	8472.0
#2	5500.5	94587.	6193.7

Sample Name: 280-19465-c-14-a Acquired: 8/27/2011 6:24:56 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82952 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00078	-.00037	.00576	-.00100	-.00158	-.00006	.00026	-.00994	-.00050	.00001
Stddev	.00007	.00016	.00134	.00015	.00102	.00006	.00084	.00140	.00003	.00003
%RSD	8.4232	43.859	23.348	14.940	64.646	100.39	323.70	14.095	5.9920	302.89
#1	.00083	-.00049	.00671	-.00110	-.00230	-.00002	-.00034	-.01093	-.00052	.00003
#2	.00074	-.00026	.00481	-.00089	-.00086	-.00011	.00086	-.00895	-.00047	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00034	-.00450	.00027	-.09774	.00210	-.00144	-.00004	-.00113	.21095	-.00041
Stddev	.00014	.00010	.00025	.07795	.00026	.00053	.00001	.00011	.02730	.00009
%RSD	41.497	2.3200	92.593	79.755	12.416	36.731	20.890	9.9766	12.942	21.884
#1	.00044	-.00443	.00009	-.15286	.00191	-.00107	-.00004	-.00105	.23026	-.00035
#2	.00024	-.00457	.00044	-.04262	.00228	-.00182	-.00005	-.00121	.19165	-.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00257	-.00019	.01820	-.00133	W -.00672	-.01664	-.00049	.00005	.00143	.00032
Stddev	.00041	.00034	.00162	.00017	.00172	.01600	.00037	.00003	.00005	.00001
%RSD	15.780	174.84	8.9199	12.923	25.540	96.160	75.273	65.797	3.6441	1.9123
#1	-.00286	-.00043	.01934	-.00121	-.00550	-.02796	-.00075	.00003	.00147	.00032
#2	-.00228	.00005	.01705	-.00146	-.00793	-.00533	-.00023	.00007	.00140	.00033
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00373	W -.07472	-.00108	-.00058	.00432
Stddev	.00082	.01634	.00024	.00000	.00045
%RSD	22.014	21.869	22.107	.63147	10.448
#1	.00431	-.06317	-.00125	-.00058	.00464
#2	.00315	-.08628	-.00091	-.00058	.00400
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5215.5	98144.	7245.0
Stddev	56.6	2757.	1620.1
%RSD	1.0856	2.8094	22.361
#1	5255.5	96194.	8390.5
#2	5175.4	100090.	6099.4

Sample Name: 280-19465-c-14-aSD@5 Acquired: 8/27/2011 6:27:30 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82952 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00077	-.00006	.00661	-.00093	-.00171	-.00002	-.00183	-.00902	-.00068	.00014
Stddev	.00004	.00000	.00064	.00016	.00109	.00001	.00113	.00089	.00004	.00008
%RSD	4.5707	7.4566	9.6931	17.208	63.878	77.526	61.730	9.8844	5.1917	60.413
#1	.00080	-.00006	.00707	-.00081	-.00248	-.00003	-.00103	-.00965	-.00071	.00020
#2	.00075	-.00005	.00616	-.00104	-.00094	-.00001	-.00263	-.00839	-.00066	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00029	-.00457	-.00278	-.09105	.00384	-.00055	.00001	-.00119	.19855	-.00054
Stddev	.00001	.00007	.00211	.07041	.00145	.00006	.00002	.00004	.03630	.00016
%RSD	3.8098	1.4332	76.112	77.325	37.877	11.594	360.21	3.5378	18.285	29.249
#1	.00029	-.00462	-.00128	-.14084	.00281	-.00060	-.00001	-.00122	.22422	-.00043
#2	.00030	-.00453	-.00427	-.04127	.00486	-.00051	.00002	-.00116	.17288	-.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00089	-.00008	.01931	.00010	W -.00654	-.02315	-.00062	-.00003	.00052	.00024
Stddev	.00034	.00060	.00233	.00151	.00003	.00238	.00079	.00005	.00037	.00019
%RSD	38.723	778.55	12.079	1585.1	.47713	10.282	127.55	154.10	69.901	79.386
#1	-.00064	-.00051	.01766	.00117	-.00652	-.02484	-.00117	-.00007	.00026	.00038
#2	-.00113	.00035	.02095	-.00097	-.00656	-.02147	-.00006	.00000	.00078	.00011
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00254	-.03877	-.00092	-.00055	.00568
Stddev	.00082	.01647	.00016	.00000	.00245
%RSD	32.302	42.494	17.538	.02180	43.097
#1	.00196	-.02712	-.00104	-.00055	.00742
#2	.00312	-.05041	-.00081	-.00055	.00395
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5215.3	97202.	7279.2
Stddev	5.0	1125.	1570.8
%RSD	.09509	1.1576	21.580
#1	5218.8	97997.	8389.9
#2	5211.8	96406.	6168.4

Sample Name: 280-19465-c-14-b ms Acquired: 8/27/2011 6:30:04 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82952 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**.00007**	**.00428**	**-.00087**	**-.00137**	**-.00005**	**-.00106**	**-.01208**	**-.00055**	**-.00003**
Stddev	.00034	.00064	.00142	.00010	.00126	.00005	.00373	.00274	.00003	.00002
%RSD	41.670	942.99	33.167	10.950	91.785	109.44	351.28	22.694	4.6075	69.434
#1	.00057	-.00038	.00328	-.00080	-.00226	-.00001	.00158	-.01402	-.00054	-.00001
#2	.00105	.00052	.00529	-.00094	-.00048	-.00009	-.00370	-.01014	-.00057	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00458**	**-.00135**	**-.09313**	**.00407**	**-.00010**	**.00000**	**-.00105**	**.18553**	**-.00044**
Stddev	.00019	.00008	.00014	.04270	.00042	.00055	.0000	.00007	.04440	.00005
%RSD	94.286	1.6533	10.672	45.846	10.375	521.15	230.42	6.5862	23.934	11.770
#1	.00033	-.00452	-.00145	-.12332	.00377	.00028	-.00001	-.00101	.21693	-.00048
#2	.00007	-.00463	-.00125	-.06294	.00436	-.00049	.00000	-.00110	.15413	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00167**	**-.00019**	**.02033**	**-.00219**	W **-.00778**	**-.02370**	**-.00001**	**.00005**	**-.00084**	**.00011**
Stddev	.00117	.00010	.00160	.00034	.00025	.00263	.00043	.00014	.00149	.00023
%RSD	70.470	52.622	7.8517	15.742	3.2642	11.090	5136.7	299.92	176.85	209.22
#1	-.00084	-.00012	.01920	-.00194	-.00760	-.02184	-.00031	-.00005	.00021	.00027
#2	-.00250	-.00025	.02145	-.00243	-.00796	-.02556	.00030	.00015	-.00190	-.00005
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00327**	**-.04275**	**-.00080**	**-.00069**	**.00552**
Stddev	.00138	.01766	.00028	.00002	.00185
%RSD	42.108	41.305	34.478	2.2482	33.510
#1	.00425	-.05523	-.00099	-.00068	.00683
#2	.00230	-.03026	-.00060	-.00070	.00421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5211.0**	**96886.**	**6871.4**
Stddev	58.1	2102.	1869.7
%RSD	1.1144	2.1694	27.210
#1	5252.1	98372.	8193.4
#2	5169.9	95400.	5549.3

Sample Name: 280-19465-c-14-c msd Acquired: 8/27/2011 6:32:39 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82952 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**-.00011**	**.00643**	**-.00121**	**-.00138**	**-.00001**	**-.00311**	**-.01118**	**-.00048**	**.00008**
Stddev	.00028	.00100	.00010	.00002	.00172	.00001	.00079	.00021	.00011	.00012
%RSD	65.144	911.68	1.5521	1.3820	125.26	126.89	25.428	1.9020	23.479	152.93
#1	.00062	-.00082	.00636	-.00123	-.00260	.00000	-.00367	-.01103	-.00040	.00017
#2	.00023	.00060	.00650	-.00120	-.00016	-.00001	-.00255	-.01133	-.00056	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**-.00463**	**.00041**	**-.12136**	**.00403**	**-.00087**	**-.00001**	**-.00107**	**.17907**	**-.00031**
Stddev	.00004	.00011	.00144	.00970	.00309	.00022	.00002	.00002	.03086	.00013
%RSD	14.774	2.4814	352.54	7.9964	76.767	25.117	221.73	1.5015	17.236	43.444
#1	.00032	-.00455	-.00061	-.12822	.00184	-.00103	.00000	-.00106	.20090	-.00040
#2	.00026	-.00472	.00143	-.11450	.00621	-.00072	-.00002	-.00108	.15725	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00263**	**.00051**	**.01879**	**-.00017**	W **-.00547**	**-.02372**	**-.00054**	**-.00002**	**.00022**	**.00014**
Stddev	.00125	.00210	.00107	.00102	.00056	.00399	.00022	.00009	.00040	.00013
%RSD	47.575	415.36	5.6778	597.62	10.214	16.821	41.183	531.21	186.40	94.445
#1	-.00351	.00199	.01954	-.00089	-.00508	-.02654	-.00038	.00005	.00050	.00023
#2	-.00174	-.00098	.01803	.00055	-.00587	-.02089	-.00069	-.00008	-.00007	.00005
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00285**	W **-.06046**	**-.00110**	**-.00058**	**.00513**
Stddev	.00022	.01477	.00037	.00013	.00133
%RSD	7.7654	24.428	33.505	23.020	25.998
#1	.00270	-.07091	-.00084	-.00068	.00608
#2	.00301	-.05002	-.00135	-.00049	.00419
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5191.3**	**96648.**	**6872.5**
Stddev	52.6	1883.	1835.9
%RSD	1.0133	1.9482	26.713
#1	5228.5	97980.	8170.6
#2	5154.1	95317.	5574.3

Sample Name: 280-19465-c-15-a Acquired: 8/27/2011 6:35:14 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82952 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00026	-.00003	.00555	-.00057	-.00155	.00000	-.00173	-.00945	-.00062	.00005
Stddev	.00059	.00207	.00062	.00004	.00134	.0000	.00191	.00156	.00000	.00009
%RSD	226.41	7126.9	11.108	7.0156	86.624	471.66	110.56	16.506	.51785	196.33
#1	-.00016	.00144	.00598	-.00060	-.00250	.00001	-.00038	-.00834	-.00062	-.00002
#2	.00068	-.00149	.00511	-.00055	-.00060	-.00002	-.00308	-.01055	-.00062	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00026	-.00475	-.00147	-.08832	.00204	-.00025	.00000	-.00108	.20270	-.00025
Stddev	.00005	.00003	.00001	.03222	.00194	.00077	.0001	.00001	.02914	.00026
%RSD	20.388	.54772	.76242	36.478	95.216	311.34	412660.	1.3129	14.378	104.49
#1	.00022	-.00473	-.00146	-.11110	.00067	.00030	-.00004	-.00107	.22330	-.00006
#2	.00029	-.00477	-.00148	-.06554	.00341	-.00079	.00004	-.00109	.18209	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00032	-.00085	.02152	-.00137	-.00499	-.00885	-.00014	.00001	-.00033	.00025
Stddev	.00076	.00097	.00252	.00005	.00030	.00363	.00020	.00011	.00073	.00006
%RSD	235.52	113.76	11.694	3.4430	5.9300	41.058	146.14	1563.8	220.62	22.392
#1	.00021	-.00154	.01974	-.00140	-.00478	-.00628	-.00029	-.00007	-.00085	.00021
#2	-.00086	-.00017	.02330	-.00133	-.00520	-.01142	.00000	.00008	.00018	.00029
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00359	-.04541	-.00118	-.00044	.00489
Stddev	.00001	.01634	.00006	.00000	.00072
%RSD	.20181	35.981	5.3365	.66871	14.621
#1	.00359	-.03385	-.00122	-.00044	.00439
#2	.00358	-.05696	-.00113	-.00044	.00540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5218.1	97691.	7191.1
Stddev	7.9	979.	1633.5
%RSD	.15188	1.0023	22.715
#1	5223.7	96999.	8346.1
#2	5212.4	98384.	6036.1

Sample Name: 280-19465-c-16-a Acquired: 8/27/2011 6:37:52 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82952 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00019	.00026	.00648	-.00100	-.00121	-.00007	-.00214	-.00981	-.00050	.00002
Stddev	.00025	.00101	.00206	.00003	.00133	.00007	.00236	.00399	.00002	.00029
%RSD	129.36	389.14	31.782	3.1333	110.23	98.532	110.28	40.640	4.7240	1366.6
#1	.00037	-.00046	.00502	-.00102	-.00215	-.00002	-.00047	-.01263	-.00049	.00023
#2	.00002	.00097	.00794	-.00097	-.00027	-.00012	-.00380	-.00699	-.00052	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00027	-.00463	-.00108	-.05896	.00530	-.00079	.00000	-.00114	.19736	-.00028
Stddev	.00001	.00010	.00273	.05384	.00270	.00061	.0000	.00029	.04649	.00004
%RSD	5.2003	2.1973	252.18	91.317	50.991	78.028	13.690	25.244	23.557	13.139
#1	.00026	-.00470	.00085	-.09703	.00339	-.00122	-.00001	-.00094	.23024	-.00026
#2	.00028	-.00456	-.00301	-.02089	.00721	-.00035	.00000	-.00134	.16449	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00018	-.00112	.01937	-.00324	-.00400	-.00481	-.00065	-.00003	-.00003	.00015
Stddev	.00133	.00001	.00296	.00027	.00188	.02480	.00012	.00003	.00078	.00009
%RSD	752.52	.55996	15.267	8.4290	47.109	516.17	17.593	93.936	2515.9	59.218
#1	.00076	-.00112	.02146	-.00343	-.00267	-.02234	-.00057	-.00001	-.00058	.00009
#2	-.00111	-.00111	.01728	-.00305	-.00533	.01273	-.00074	-.00004	.00052	.00021
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00343	-.04335	-.00133	-.00059	.00393
Stddev	.00007	.00850	.00039	.00002	.00094
%RSD	2.0136	19.594	29.285	3.8297	23.999
#1	.00338	-.04936	-.00106	-.00060	.00459
#2	.00348	-.03735	-.00161	-.00057	.00326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5268.1	98138.	6845.8
Stddev	71.9	143.	1833.4
%RSD	1.3655	.14600	26.782
#1	5217.2	98239.	8142.2
#2	5319.0	98037.	5549.3

Sample Name: 280-19465-c-17-a Acquired: 8/27/2011 6:40:28 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82952 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **-.00014**	**.00071**	k **.00666**	**-.00101**	k **-.00101**	k **-.00007**	k **-.00173**	k **-.00874**	k **-.00047**	k **.00020**
Stddev	.00027	.00079	.00092	.00006	.00170	.00004	.00043	.00453	.00017	.00011
%RSD	196.34	111.01	13.789	5.6993	168.27	56.430	24.909	51.828	36.513	56.683
#1	s -.00033	.00015	k .00731	-.00105	k -.00221	k -.00004	k -.00203	k -.01195	k -.00059	k .00028
#2	s .00005	.00127	k .00601	-.00097	k .00019	k -.00009	k -.00142	k -.00554	k -.00035	k .00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00034**	s **-.00328**	**.00188**	**-.07899**	k **.00385**	s **.00244**	s **-.00001**	**-.00098**	**.19178**	**-.00020**
Stddev	.00001	.00153	.00113	.06014	.00456	.00165	.00000	.00000	.04100	.00015
%RSD	2.6740	46.728	60.152	76.139	118.39	67.518	32.371	.10206	21.376	74.383
#1	k .00035	s -.00220	.00108	-.12151	k .00063	s .00361	s -.00002	-.00098	.22077	-.00031
#2	k .00034	s -.00437	.00268	-.03646	k .00707	s .00128	s -.00001	-.00099	.16279	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00150**	k **-.00079**	k **.02154**	k **-.00128**	k **-.00429**	k **-.01928**	k **-.00034**	**-.00011**	s **-.00113**	s **-.00007**
Stddev	.00168	.00105	.00003	.00029	.00342	.00769	.00056	.00008	.00029	.00021
%RSD	111.99	133.10	.14819	22.997	79.845	39.905	165.31	71.698	25.974	275.11
#1	-.00269	k -.00005	k .02156	k -.00149	k -.00187	k -.02472	k -.00073	-.00006	s -.00092	s -.00022
#2	-.00031	k -.00153	k .02151	k -.00107	k -.00671	k -.01384	k .00006	-.00017	s -.00134	s .00007
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **.00281**	sW **-.05674**	s **-.00063**	s **-.00073**	k **.00419**
Stddev	.00043	.00461	.00017	.00026	.00153
%RSD	15.163	8.1320	26.922	35.504	36.622
#1	k .00311	s -.05347	s -.00051	s -.00092	k .00528
#2	k .00251	s -.06000	s -.00075	s -.00055	k .00311
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5412.5**	^ *****	**6625.8**
Stddev	10.5	-----	2038.5
%RSD	.19438	-----	30.766
#1	5419.9	^ -----	8067.2
#2	5405.0	^ -----	5184.4

Sample Name: CCVH-940568 Acquired: 8/27/2011 6:43:07 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00098	.00034	.00579	-.00106	-.00124	-.00002	F -.00064	-.00914	-.00046	.00005	.00025
Stddev	.00040	.00140	.00030	.00029	.00169	.00002	.00028	.00636	.00008	.00000	.00009
%RSD	40.648	416.59	5.1030	27.291	135.84	85.236	43.564	69.546	18.314	1.2401	34.363
#1	.00070	.00133	.00558	-.00127	-.00243	-.00003	-.00044	-.01364	-.00040	.00005	.00032
#2	.00126	-.00065	.00600	-.00086	-.00005	-.00001	-.00083	-.00465	-.00052	.00005	.00019
Check ?	None	None	None	None	None	None	Chk Fail	None	None	None	None
Value							1.0000				
Range							-10.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00456	F -.00134	-.08536	.00398	-.00017	.00001	-.00090	.21398	-.00052	-.00033	-.00134
Stddev	.00010	.00067	.06709	.00518	.00017	.00002	.00005	.05613	.00016	.00176	.00071
%RSD	2.1527	49.842	78.599	130.16	102.07	181.19	5.4694	26.232	31.684	539.48	52.957
#1	-.00463	-.00087	-.13281	.00032	-.00005	.00000	-.00087	.25367	-.00040	.00092	-.00084
#2	-.00449	-.00181	-.03792	.00764	-.00029	.00003	-.00094	.17429	-.00063	-.00157	-.00184
Check ?	None	Chk Fail	None	None	None	None	None	None	None	None	None
Value		50.000									
Range		-10.000%									

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02445	-.00109	-.00676	-.01031	-.00071	.00001	F -.00049	.00020	.00282	F -.02730	-.00123
Stddev	.00090	.00048	.00227	.00695	.00040	.00007	.00090	.00014	.00168	.02464	.00036
%RSD	3.6745	44.318	33.568	67.407	56.045	901.02	182.92	70.828	59.733	90.266	29.579
#1	.02382	-.00075	-.00515	-.01523	-.00043	.00006	.00014	.00031	.00163	-.04473	-.00148
#2	.02509	-.00143	-.00836	-.00540	-.00099	-.00004	-.00113	.00010	.00401	-.00988	-.00097
Check ?	None	None	None	None	None	None	Chk Fail	None	None	Chk Fail	None
Value							5.0000			10.000	
Range							-10.000%			-10.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	-.00037	.00645
Stddev	.00007	.00165
%RSD	19.333	25.522
#1	-.00032	.00528
#2	-.00042	.00761
Check ?	None	None
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	5300.5	99632.	6973.4
Stddev	33.4	2889.	2009.8
%RSD	.63073	2.8998	28.821
#1	5324.1	101680.	8394.5
#2	5276.8	97589.	5552.3

Sample Name: CCV-940591 Acquired: 8/27/2011 6:45:43 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	sF **.00016**	F **-.00043**	kF **.00514**	F **-.00076**	kF **-.00130**	kF **-.00003**	k **-.00361**	kF **-.01001**	kF **-.00061**	kF **.00007**	kF **.00027**
Stddev	.00028	.00049	.00070	.00006	.00170	.00000	.00193	.00413	.00012	.00004	.00000
%RSD	178.87	115.76	13.586	7.6248	130.50	1.5628	53.355	41.253	19.759	60.665	.22531
#1	s -.00004	-.00008	k .00563	-.00072	k -.00250	k -.00003	k -.00225	k -.01293	k -.00052	k .00004	k .00027
#2	.00036	-.00078	.00464	-.00080	-.00010	-.00003	-.00498	-.00709	-.00069	.00011	.00027
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	.50000	1.0000	.50000	.50000	.50000		5.0000	.50000	.50000	.50000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%	-10.000%	-10.000%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	sF **-.00444**	F **.00247**	F **-.09973**	kF **.00156**	sF **.00207**	sF **-.00001**	F **-.00090**	F **.17109**	F **-.00042**	F **-.00145**	kF **-.00181**
Stddev	.00096	.00103	.12523	.00290	.00199	.00002	.00027	.04581	.00023	.00189	.00164
%RSD	21.614	41.754	125.57	185.79	96.197	209.29	30.226	26.777	54.820	130.81	90.885
#1	s -.00376	.00174	-.18828	k -.00049	s .00348	s -.00003	-.00110	.20348	-.00058	-.00278	k -.00065
#2	-.00512	.00320	-.01118	.00361	.00066	.00001	-.00071	.13869	-.00026	-.00011	-.00297
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	2.5000	50.000	1.0000	20.000	.50000	.50000	5.0000	.50000	1.0000	1.0000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01977**	kF **-.00034**	kF **-.00542**	kF **-.00402**	kF **-.00044**	F **-.00002**	s **-.00113**	sF **.00033**	kF **.00338**	s **-.03264**	sF **-.00096**
Stddev	.00117	.00088	.00113	.01759	.00029	.00004	.00182	.00034	.00018	.02138	.00062
%RSD	5.9356	260.08	20.799	437.42	66.254	196.66	160.70	104.43	5.2160	65.502	64.119
#1	k .02060	k -.00096	k -.00462	k -.01646	k -.00024	-.00005	s -.00242	s .00057	k .00325	s -.01752	s -.00053
#2	.01894	.00028	-.00621	.00841	-.00065	.00001	.00015	.00009	.00350	-.04776	-.00140
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	None	Chk Fail
Value		1.0000	1.0000	5.0000	1.0000	.50000		.50000	1.0000		.50000
Range		-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%		-10.000%

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	sF **-.00048**	kF **.00523**
Stddev	.00025	.00184
%RSD	53.125	35.215
#1	s -.00030	k .00654
#2	-.00066	.00393
Check ?	Chk Fail	Chk Fail
Value	.50000	.50000
Range	-10.000%	-10.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	5344.2	^ *****	6721.1
Stddev	228.3	-----	1886.7
%RSD	4.2728	-----	28.071
#1	5505.6	^ -----	8055.2
#2	5182.7	98771.	5387.0

Sample Name: CCB Acquired: 8/27/2011 6:48:20 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	sW **.00095**	s **.00247**	sW **.00603**	s **-.00035**	kF **-.00123**	k **-.00001**	s **-.00401**	k **-.01104**	s **-.00044**	s **.00033**
Stddev	.00097	.00279	.00018	.00002	.00175	.00007	.00003	.00330	.00006	.00010
%RSD	101.93	112.78	3.0640	6.9051	142.85	488.19	.85491	29.874	13.412	30.488
#1	s .00163	.00050	k .00616	-.00037	k -.00247	k .00003	k -.00403	k -.01337	k -.00040	k .00040
#2	k .00026	s .00445	s .00590	s -.00033	k .00001	k -.00006	s -.00398	-.00871	s -.00048	s .00026
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093		.00440		.00115					
Low Limit	-.00093		-.00440		-.00115					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **.00032**	sF **-.00631**	**-.00120**	**-.10481**	k **.00053**	s **-.00013**	s **-.00005**	s **-.00103**	F **.19138**	s **-.00019**
Stddev	.00008	.00233	.00331	.06180	.00391	.00146	.00002	.00032	.02721	.00035
%RSD	24.208	36.898	276.01	58.969	735.90	1104.5	51.178	30.729	14.216	179.77
#1	k .00026	s -.00795	.00114	-.14851	k -.00223	s -.00116	s -.00003	-.00081	.21062	-.00044
#2	s .00037	k -.00466	-.00354	-.06110	.00329	k .00090	-.00006	s -.00126	.17214	s .00005
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		.00272							.10000	
Low Limit		-.00272							-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **-.00012**	s **-.00080**	s **.01423**	s **-.00053**	sW **-.00705**	k **-.02153**	s **-.00040**	**.00014**	s **.00009**	sW **.00076**
Stddev	.00091	.00168	.00347	.00164	.00048	.00004	.00048	.00017	.00016	.00016
%RSD	730.26	210.72	24.405	307.32	6.7462	.19696	118.70	126.14	180.24	21.168
#1	-.00077	k .00039	k .01668	k -.00170	k -.00739	k -.02150	k -.00074	.00001	s -.00002	s .00088
#2	s .00052	s -.00199	s .01177	s .00063	s -.00672	k -.02156	s -.00006	.00026	k .00021	k .00065
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					.00486					.00060
Low Limit					-.00486					-.00060

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	s **.00332**	s **-.04310**	sW **-.00171**	s **-.00071**	kW **.00416**
Stddev	.00004	.02891	.00076	.00018	.00232
%RSD	1.0878	67.066	44.595	25.780	55.851
#1	k .00335	s -.06354	s -.00225	s -.00084	k .00580
#2	s .00330	k -.02266	k -.00117	k -.00058	k .00252
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn
High Limit			.00111		.00238
Low Limit			-.00111		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	^ *****	^ *****	**7024.2**
Stddev	-----	-----	1928.6
%RSD	-----	-----	27.456
#1	5270.3	^ -----	8387.9
#2	^ -----	105150.	5660.5

Sample Name: CCVL946273 Acquired: 8/27/2011 6:50:57 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00055**	F **.00027**	F **.00523**	F **-.00079**	F **-.00064**	F **-.00010**	F **-.00220**	F **-.00890**	F **-.00057**	F **.00014**	F **.00010**
Stddev	.00009	.00094	.00142	.00027	.00040	.00007	.00103	.00177	.00007	.00003	.00011
%RSD	16.777	351.06	27.177	34.906	62.430	63.492	46.712	19.876	11.934	17.813	113.70
#1	.00048	-.00040	.00422	-.00059	-.00036	-.00015	-.00292	-.01015	-.00052	.00012	.00018
#2	.00061	.00093	.00623	-.00098	-.00092	-.00006	-.00147	-.00765	-.00061	.00016	.00002
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01000	.10000	.01500	.10000	.01000	.00100	.10000	.20000	.00500	.01000	.01000
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00480**	F **.00090**	F **-.03325**	F **.00237**	F **.00021**	F **-.00003**	F **-.00108**	F **.17015**	F **-.00030**	F **-.00037**	F **-.00058**
Stddev	.00050	.00085	.02793	.00024	.00052	.00001	.00004	.00324	.00010	.00249	.00078
%RSD	10.347	94.063	83.988	10.342	254.66	27.025	3.5306	1.9056	32.138	675.33	135.54
#1	-.00515	.00030	-.01350	.00254	-.00016	-.00003	-.00105	.17245	-.00037	-.00213	-.00002
#2	-.00445	.00151	-.05300	.00219	.00058	-.00002	-.00110	.16786	-.00023	.00139	-.00113
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01500	.10000	3.0000	.01000	.20000	.01000	.02000	1.0000	.04000	3.0000	.00900
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02092**	F **-.00061**	F **-.00446**	F **.00086**	F **-.00040**	F **-.00002**	F **-.00022**	F **.00033**	F **.00299**	F **-.04222**	F **-.00074**
Stddev	.00095	.00056	.00130	.00839	.00013	.00014	.00072	.00004	.00087	.00795	.00038
%RSD	4.5291	92.356	29.190	980.20	33.344	692.32	321.05	11.572	29.197	18.836	50.907
#1	.02159	-.00021	-.00538	-.00508	-.00049	-.00012	-.00074	.00030	.00238	-.04784	-.00048
#2	.02025	-.00101	-.00354	.00679	-.00030	.00008	.00029	.00035	.00361	-.03659	-.00101
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value		.01000	.01500	.50000	.10000	.01000	.01500	.01000	.01500	.06000	.01000
Range		-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	F **-.00053**	F **.00258**
Stddev	.00010	.00007
%RSD	18.653	2.7999
#1	-.00060	.00253
#2	-.00046	.00263
Check ?	Chk Fail	Chk Fail
Value	.02000	.01500
Range	-30.000%	-30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5413.5**	**97025.**	**5742.8**
Stddev	16.5	4083.	264.0
%RSD	.30412	4.2080	4.5968
#1	5425.1	94138.	5556.1
#2	5401.8	99912.	5929.5

Sample Name: 280-19465-c-18-a Acquired: 8/27/2011 6:53:50 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82952 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **.00015**	**.00008**	k **.00666**	**-.00093**	k **-.00147**	k **-.00008**	k **-.00123**	k **-.01006**	k **-.00043**	k **.00029**
Stddev	.00039	.00001	.00015	.00015	.00108	.00005	.00074	.00475	.00009	.00016
%RSD	255.33	17.733	2.2702	16.216	73.646	67.318	59.939	47.260	20.057	53.880
#1	s -.00012	.00009	k .00676	-.00104	k -.00223	k -.00004	k -.00071	k -.01342	k -.00037	k .00018
#2	.00043	.00007	.00655	-.00082	-.00070	-.00012	-.00175	-.00670	-.00049	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00027**	s **-.00401**	**-.00082**	**-.10314**	k **.00263**	s **-.00001**	s **-.00001**	**-.00081**	**.19574**	**-.00044**
Stddev	.00018	.00088	.00058	.07751	.00449	.00064	.00000	.00009	.04505	.00002
%RSD	65.266	21.937	70.908	75.152	170.84	5643.7	56.089	11.391	23.015	3.8051
#1	k .00015	s -.00339	-.00041	-.15794	k -.00055	s .00044	s -.00001	-.00088	.22759	-.00043
#2	.00040	-.00464	-.00123	-.04833	.00581	-.00046	.00000	-.00075	.16388	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	k **.00003**	k **.01947**	k **-.00132**	kW **-.00544**	k **-.01881**	k **-.00016**	**-.00007**	s **-.00082**	s **.00018**
Stddev	.00014	.00025	.00048	.00077	.00069	.00581	.00005	.00005	.00026	.00036
%RSD	17.437	897.56	2.4564	58.549	12.685	30.871	32.790	70.914	31.954	201.29
#1	-.00089	k .00021	k .01981	k -.00187	k -.00593	k -.02292	k -.00020	-.00003	s -.00101	s -.00008
#2	-.00069	-.00015	.01914	-.00077	-.00495	-.01471	-.00013	-.00010	-.00064	.00044
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **.00262**	s **-.02557**	s **-.00097**	s **-.00068**	k **.00634**
Stddev	.00057	.00383	.00033	.00014	.00053
%RSD	21.633	14.969	33.657	19.863	8.3347
#1	k .00222	s -.02828	s -.00074	s -.00078	k .00671
#2	.00302	-.02287	-.00120	-.00059	.00596
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5350.1**	^ *****	**7044.7**
Stddev	174.0	-----	1767.8
%RSD	3.2529	-----	25.094
#1	5473.2	^ -----	8294.7
#2	5227.1	95628.	5794.7

Sample Name: 280-19465-c-19-a Acquired: 8/27/2011 6:56:27 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82952 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00044	.00062	.00486	-.00107	-.00166	.00003	-.00036	-.01205	-.00048	.00002
Stddev	.00013	.00067	.00060	.00036	.00068	.00001	.00223	.00132	.00010	.00001
%RSD	30.201	109.24	12.310	33.284	41.235	35.466	614.44	10.973	20.745	37.798
#1	.00053	.00014	.00528	-.00133	-.00214	.00002	-.00194	-.01112	-.00041	.00002
#2	.00035	.00110	.00444	-.00082	-.00117	.00004	.00121	-.01299	-.00055	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	-.00439	.00121	-.09762	.00272	-.00021	.00000	-.00098	.20716	-.00030
Stddev	.00007	.00007	.00102	.05218	.00282	.00177	.0000	.00006	.01810	.00011
%RSD	30.651	1.5531	84.133	53.459	103.77	834.53	55.317	6.2825	8.7392	37.231
#1	.00028	-.00444	.00049	-.13451	.00072	.00104	.00000	-.00103	.21996	-.00038
#2	.00018	-.00434	.00192	-.06072	.00471	-.00146	.00000	-.00094	.19436	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00061	-.00224	.02181	-.00026	W -.00541	-.01759	.00002	-.00001	.00000	.00034
Stddev	.00221	.00008	.00190	.00060	.00063	.01750	.00008	.00008	.0008	.00019
%RSD	362.03	3.4707	8.7267	227.89	11.608	99.525	328.37	1126.8	22273.	57.497
#1	-.00217	-.00230	.02046	.00016	-.00497	-.02996	.00008	-.00006	-.00053	.00020
#2	.00095	-.00219	.02315	-.00068	-.00586	-.00521	-.00003	.00005	.00053	.00047
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00371	-.04363	-.00140	-.00081	.00586
Stddev	.00108	.01664	.00014	.00026	.00141
%RSD	29.213	38.137	10.037	31.823	24.113
#1	.00294	-.03187	-.00150	-.00063	.00686
#2	.00448	-.05540	-.00130	-.00099	.00486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5296.6	98733.	7321.9
Stddev	189.0	5913.	1608.6
%RSD	3.5690	5.9893	21.970
#1	5430.3	102910.	8459.4
#2	5163.0	94551.	6184.4

Sample Name: 280-19465-c-20-a Acquired: 8/27/2011 6:59:04 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82952 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **-.00078**	**-.00002**	k **.00482**	**-.00066**	k **-.00139**	k **-.00009**	k **-.00265**	k **-.01141**	k **-.00053**	k **.00014**
Stddev	.00017	.00016	.00083	.00027	.00098	.00007	.00106	.00127	.00005	.00005
%RSD	22.041	935.86	17.278	40.640	70.499	72.637	40.001	11.176	9.1623	34.129
#1	s -.00066	.00010	k .00541	-.00047	k -.00208	k -.00004	k -.00190	k -.01231	k -.00050	k .00011
#2	s -.00091	-.00013	k .00423	-.00085	k -.00070	k -.00014	k -.00340	k -.01051	k -.00057	k .00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00031**	s **-.00276**	**-.00021**	**-.08479**	k **.00314**	s **.00052**	s **-.00001**	**-.00111**	**.20157**	**-.00041**
Stddev	.00002	.00007	.00112	.05505	.00493	.00070	.00002	.00008	.03991	.00005
%RSD	5.6806	2.4260	542.57	64.926	157.29	134.57	117.42	7.6548	19.800	11.486
#1	k .00030	s -.00280	-.00100	-.12371	k -.00035	s .00003	s .00000	-.00105	.22980	-.00044
#2	k .00033	s -.00271	.00059	-.04586	k .00662	s .00102	s -.00003	-.00117	.17335	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	k **-.00077**	k **.01655**	k **-.00121**	k **-.00354**	k **-.02531**	k **-.00040**	**-.00001**	s **-.00091**	s **-.00022**
Stddev	.00160	.00119	.00404	.00037	.00367	.01226	.00041	.00000	.00024	.00008
%RSD	235.19	155.32	24.432	30.331	103.68	48.464	101.68	24.655	26.685	35.821
#1	-.00181	k .00008	k .01941	k -.00095	k -.00613	k -.01663	k -.00011	-.00001	s -.00074	s -.00028
#2	.00045	k -.00161	k .01369	k -.00147	k -.00094	k -.03398	k -.00069	-.00001	s -.00108	s -.00016
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **.00268**	s **-.04900**	s **-.00074**	s **-.00077**	k **.00624**
Stddev	.00149	.02230	.00022	.00008	.00144
%RSD	55.510	45.513	28.989	9.8223	23.059
#1	k .00373	s -.03323	s -.00059	s -.00082	k .00726
#2	k .00163	s -.06476	s -.00089	s -.00072	k .00523
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5323.6**	^ *****	**7265.3**
Stddev	107.6	-----	1717.6
%RSD	2.0221	-----	23.641
#1	5399.7	^ -----	8479.8
#2	5247.5	^ -----	6050.8

Sample Name: 280-19465-c-21-a Acquired: 8/27/2011 7:01:42 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82952 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00050**	**.00623**	**-.00118**	**-.00139**	**.00004**	**-.00161**	**-.01075**	**-.00070**	**.00009**
Stddev	.00035	.00050	.00046	.00001	.00123	.00000	.00100	.00011	.00004	.00006
%RSD	84.265	99.871	7.3689	.55865	88.308	6.1768	61.867	.99967	6.3474	66.681
#1	.00017	.00015	.00655	-.00118	-.00226	.00004	-.00091	-.01067	-.00066	.00005
#2	.00066	.00086	.00591	-.00117	-.00052	.00003	-.00232	-.01083	-.00073	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**-.00457**	**-.00022**	**-.10667**	**.00373**	**.00071**	**-.00004**	**-.00099**	**.17510**	**-.00045**
Stddev	.00005	.00019	.00199	.06188	.00284	.00023	.00001	.00008	.02925	.00015
%RSD	19.864	4.2158	892.57	58.010	76.095	32.321	35.877	8.0854	16.705	34.390
#1	.00021	-.00444	-.00163	-.15043	.00573	.00055	-.00003	-.00093	.19579	-.00034
#2	.00027	-.00471	.00118	-.06292	.00172	.00088	-.00005	-.00105	.15442	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00104**	**-.00044**	**.01893**	**-.00114**	W **-.00618**	**-.02003**	**-.00073**	**.00001**	**-.00110**	**.00040**
Stddev	.00052	.00093	.00123	.00069	.00093	.00652	.00035	.00006	.00001	.00011
%RSD	50.544	209.93	6.5205	60.131	15.009	32.571	47.730	406.18	.54903	26.853
#1	-.00141	.00021	.01806	-.00163	-.00684	-.01542	-.00098	.00006	-.00110	.00047
#2	-.00067	-.00110	.01980	-.00066	-.00552	-.02465	-.00048	-.00003	-.00111	.00032
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00259**	**-.03209**	**-.00116**	**-.00060**	**.00467**
Stddev	.00016	.01037	.00007	.00005	.00325
%RSD	6.0319	32.313	6.4521	8.6782	69.679
#1	.00270	-.03943	-.00111	-.00057	.00697
#2	.00248	-.02476	-.00121	-.00064	.00237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5375.0**	**96847.**	**6613.6**
Stddev	28.5	1759.	1275.5
%RSD	.53049	1.8161	19.286
#1	5395.1	98091.	7515.5
#2	5354.8	95604.	5711.7

Sample Name: 280-19465-c-22-a Acquired: 8/27/2011 7:04:18 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82952 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	s **-.00011**	**-.00049**	k **.00779**	**-.00107**	k **-.00104**	k **-.00008**	k **-.00088**	k **-.00854**	k **-.00044**	k **-.00006**
Stddev	.00083	.00028	.00005	.00044	.00122	.00001	.00101	.00127	.00014	.00008
%RSD	741.51	57.046	.61504	40.926	116.73	7.2040	113.91	14.902	30.936	125.95
#1	s -.00070	-.00030	k .00775	-.00076	k -.00191	k -.00008	k -.00160	k -.00944	k -.00035	k -.00012
#2	.00048	-.00069	.00782	-.00138	-.00018	-.00009	-.00017	-.00764	-.00054	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00023**	s **-.00343**	**.00037**	**-.08755**	k **.00414**	s **.00000**	s **-.00002**	**-.00106**	**.17915**	**-.00047**
Stddev	.00002	.00219	.00149	.04844	.00405	.0007	.00005	.00005	.04996	.00004
%RSD	9.0800	63.858	405.79	55.326	97.737	23578.	264.17	5.1168	27.886	7.8842
#1	k .00021	s -.00188	-.00068	-.12180	k .00128	s .00047	s -.00005	-.00102	.21448	-.00044
#2	.00024	-.00498	.00142	-.05330	.00700	-.00048	.00002	-.00109	.14383	-.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	k **-.00103**	k **.02113**	k **-.00061**	kW **-.00514**	k **-.01137**	k **-.00056**	**.00006**	s **-.00068**	s **.00021**
Stddev	.00095	.00015	.00186	.00000	.00050	.01690	.00045	.00004	.00157	.00022
%RSD	684.78	14.666	8.7860	.36418	9.7352	148.63	80.949	58.299	231.38	101.90
#1	-.00081	k -.00113	k .01981	k -.00061	k -.00479	k -.02332	k -.00024	.00004	s -.00179	s .00006
#2	.00053	-.00092	.02244	-.00061	-.00549	.00058	-.00088	.00009	.00043	.00037
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **.00280**	s **-.04646**	s **-.00090**	s **-.00053**	k **.00510**
Stddev	.00048	.00226	.00014	.00002	.00013
%RSD	17.133	4.8684	15.332	4.5524	2.5784
#1	k .00246	s -.04806	s -.00080	s -.00052	k .00500
#2	.00314	-.04486	-.00100	-.00055	.00519
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5376.5**	^ *****	**6498.3**
Stddev	60.2	-----	1791.8
%RSD	1.1199	-----	27.573
#1	5419.1	^ -----	7765.3
#2	5334.0	93640.	5231.3

Sample Name: 280-19465-c-23-a Acquired: 8/27/2011 7:06:53 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82952 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00094	.00084	.00681	-.00109	-.00159	-.00002	-.00159	-.01210	-.00052	.00030
Stddev	.00028	.00119	.00017	.00036	.00146	.00009	.00230	.00303	.00011	.00002
%RSD	29.588	141.30	2.5369	33.090	91.871	403.80	144.60	25.020	20.112	6.8289
#1	.00074	.00168	.00693	-.00134	-.00262	-.00009	-.00322	-.01424	-.00060	.00029
#2	.00113	.00000	.00669	-.00083	-.00056	.00004	.00004	-.00996	-.00045	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00027	-.00484	-.00038	-.10723	.00341	.00072	-.00001	-.00114	.19883	-.00054
Stddev	.00010	.00026	.00079	.02317	.00304	.00002	.00002	.00005	.01264	.00005
%RSD	35.698	5.3104	209.01	21.608	89.166	2.2413	281.55	4.6601	6.3581	8.5659
#1	.00034	-.00466	.00018	-.12362	.00126	.00071	.00001	-.00110	.20776	-.00057
#2	.00020	-.00502	-.00093	-.09085	.00556	.00073	-.00003	-.00118	.18989	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00023	-.00050	.02266	-.00137	-.00494	-.01481	.00008	.00000	-.00002	.00029
Stddev	.00101	.00005	.00195	.00014	.00128	.00427	.00015	.0001	.00077	.00020
%RSD	443.05	8.9894	8.6248	9.9328	25.822	28.794	198.00	3047.3	3262.6	69.041
#1	.00049	-.00053	.02405	-.00146	-.00585	-.01783	.00018	.00009	.00052	.00044
#2	-.00095	-.00047	.02128	-.00127	-.00404	-.01180	-.00003	-.00010	-.00057	.00015
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00375	-.03659	-.00090	-.00068	.00654
Stddev	.00101	.00124	.00002	.00002	.00079
%RSD	27.044	3.3760	2.1013	3.1631	12.097
#1	.00303	-.03747	-.00091	-.00067	.00709
#2	.00446	-.03572	-.00088	-.00070	.00598
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5358.1	97080.	7093.6
Stddev	101.8	3296.	1701.4
%RSD	1.8992	3.3947	23.985
#1	5430.1	99411.	8296.7
#2	5286.1	94750.	5890.6

Sample Name: 280-19465-c-24-a Acquired: 8/27/2011 7:09:30 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82952 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00038	.00060	.00685	-.00129	-.00153	-.00002	-.00152	-.00946	-.00051	.00023
Stddev	.00013	.00010	.00179	.00002	.00119	.00002	.00021	.00341	.00005	.00023
%RSD	34.725	16.429	26.087	1.7854	77.873	82.496	14.140	36.000	10.231	99.992
#1	.00047	.00053	.00811	-.00130	-.00237	-.00001	-.00167	-.01187	-.00047	.00007
#2	.00028	.00067	.00558	-.00127	-.00069	-.00004	-.00137	-.00705	-.00055	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00012	-.00476	-.00172	-.12083	.00150	.00048	-.00001	-.00109	.18806	-.00058
Stddev	.00022	.00007	.00008	.01196	.00134	.00126	.00000	.00008	.04321	.00022
%RSD	178.13	1.3761	4.9090	9.8971	89.210	260.52	15.096	7.3075	22.976	37.846
#1	-.00003	-.00471	-.00166	-.12928	.00055	-.00041	-.00001	-.00103	.21862	-.00043
#2	.00028	-.00481	-.00177	-.11237	.00245	.00137	-.00001	-.00114	.15751	-.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00084	-.00029	.02108	-.00076	W -.00661	-.02389	-.00048	-.00008	.00046	.00009
Stddev	.00044	.00123	.00083	.00054	.00041	.01319	.00054	.00006	.00072	.00014
%RSD	52.078	428.58	3.9210	71.219	6.2411	55.213	113.37	77.500	154.65	148.94
#1	-.00053	-.00116	.02166	-.00115	-.00632	-.01456	-.00086	-.00004	-.00004	.00019
#2	-.00115	.00058	.02049	-.00038	-.00691	-.03322	-.00010	-.00012	.00097	.00000
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00326	W -.05240	-.00129	-.00064	.00626
Stddev	.00017	.00641	.00059	.00001	.00085
%RSD	5.2295	12.228	45.543	.93138	13.534
#1	.00314	-.05693	-.00088	-.00064	.00686
#2	.00338	-.04787	-.00171	-.00063	.00566
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5294.0	99927.	7074.8
Stddev	58.6	407.	1889.6
%RSD	1.1078	.40681	26.708
#1	5252.6	100210.	8411.0
#2	5335.5	99639.	5738.7

Sample Name: 280-19465-c-25-a Acquired: 8/27/2011 7:12:07 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82952 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00061	.00004	.00603	-.00105	-.00145	-.00006	-.00259	-.00963	-.00063	.00016
Stddev	.00010	.00044	.00041	.00076	.00165	.00014	.00120	.00034	.00001	.00014
%RSD	17.174	1150.3	6.7719	72.196	113.46	240.61	46.315	3.5004	1.8485	88.753
#1	.00053	.00035	.00631	-.00159	-.00261	.00004	-.00344	-.00986	-.00064	.00006
#2	.00068	-.00027	.00574	-.00051	-.00029	-.00015	-.00174	-.00939	-.00062	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00026	-.00462	-.00001	-.11174	.00159	.00059	-.00004	-.00110	.18496	-.00046
Stddev	.00012	.00039	.00050	.04313	.00178	.00166	.00002	.00004	.04170	.00002
%RSD	46.334	8.4819	9768.0	38.599	111.40	279.78	54.705	3.4242	22.547	3.7476
#1	.00034	-.00490	.00035	-.14224	.00034	.00176	-.00003	-.00108	.21445	-.00047
#2	.00017	-.00434	-.00036	-.08124	.00285	-.00058	-.00006	-.00113	.15547	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00178	-.00090	.01759	-.00239	W -.00522	-.02336	.00010	-.00006	-.00077	.00027
Stddev	.00157	.00001	.00192	.00106	.00171	.01395	.00040	.00005	.00103	.00007
%RSD	88.347	1.2562	10.889	44.499	32.841	59.706	418.23	73.294	133.16	27.886
#1	-.00290	-.00091	.01895	-.00314	-.00643	-.01350	-.00019	-.00003	-.00005	.00032
#2	-.00067	-.00089	.01624	-.00163	-.00401	-.03322	.00038	-.00010	-.00150	.00021
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00363	-.02636	-.00106	-.00068	.00588
Stddev	.00069	.02484	.00015	.00029	.00129
%RSD	18.966	94.231	13.953	42.820	21.992
#1	.00314	-.00880	-.00117	-.00089	.00679
#2	.00412	-.04393	-.00096	-.00048	.00497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5344.3	97699.	6849.2
Stddev	57.4	1470.	2076.3
%RSD	1.0749	1.5045	30.314
#1	5384.9	98739.	8317.4
#2	5303.7	96660.	5381.1

Sample Name: 280-19465-c-26-a Acquired: 8/27/2011 7:14:45 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82952 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00091	-.00007	.00643	-.00123	-.00091	-.00004	-.00208	-.00826	-.00057	.00019
Stddev	.00017	.00063	.00022	.00022	.00091	.00003	.00118	.00182	.00023	.00017
%RSD	18.373	855.38	3.4417	18.127	100.09	72.215	56.771	22.021	40.456	88.670
#1	.00079	.00037	.00658	-.00107	-.00155	-.00006	-.00125	-.00955	-.00073	.00007
#2	.00103	-.00052	.00627	-.00139	-.00027	-.00002	-.00292	-.00697	-.00041	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00020	-.00515	-.00161	-.06526	.00790	.00002	.00000	-.00101	.18438	-.00041
Stddev	.00006	.00005	.00121	.04125	.00505	.00113	.00003	.00022	.03798	.00017
%RSD	30.248	.96195	74.968	63.213	63.978	6580.9	3397.8	22.135	20.599	42.334
#1	.00024	-.00512	-.00247	-.09442	.00433	.00082	.00002	-.00085	.21124	-.00054
#2	.00016	-.00519	-.00076	-.03609	.01147	-.00078	-.00002	-.00117	.15752	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	-.00016	.01587	-.00189	W -.00587	-.01709	-.00077	-.00009	-.00025	.00024
Stddev	.00133	.00065	.00030	.00067	.00392	.00162	.00040	.00006	.00038	.00012
%RSD	4224.5	406.74	1.9018	35.264	66.776	9.4912	51.931	66.277	151.68	51.560
#1	-.00091	.00030	.01566	-.00142	-.00310	-.01595	-.00049	-.00005	-.00052	.00015
#2	.00097	-.00062	.01608	-.00236	-.00865	-.01824	-.00106	-.00014	.00002	.00033
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00305	-.04700	-.00120	-.00057	.00375
Stddev	.00077	.01191	.00014	.00007	.00473
%RSD	25.251	25.349	12.075	11.581	126.13
#1	.00360	-.03858	-.00110	-.00053	.00710
#2	.00251	-.05543	-.00130	-.00062	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5293.5	100930.	6454.1
Stddev	72.5	1545.	1399.7
%RSD	1.3701	1.5309	21.688
#1	5344.8	99838.	7443.9
#2	5242.3	102020.	5464.3

Sample Name: CCVH-940568 Acquired: 8/27/2011 7:17:24 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**-.00006**	**.00469**	**-.00134**	**-.00137**	**-.00001**	F **-.00126**	**-.00618**	**-.00050**	**-.00002**	**.00029**
Stddev	.00035	.00063	.00056	.00062	.00118	.00006	.00087	.00396	.00016	.00024	.00011
%RSD	49.777	980.07	11.841	46.541	86.001	500.12	68.830	64.075	32.581	1401.3	37.440
#1	.00095	-.00051	.00509	-.00178	-.00221	-.00005	-.00065	-.00898	-.00038	-.00019	.00037
#2	.00046	.00038	.00430	-.00090	-.00054	.00003	-.00187	-.00338	-.00061	.00015	.00021
Check ?	None	None	None	None	None	None	Chk Fail	None	None	None	None
Value							1.0000				
Range							-10.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00469**	F **.00100**	**-.08092**	**.00319**	**.00022**	**-.00002**	**-.00103**	**.17293**	**-.00024**	**-.00138**	**-.00045**
Stddev	.00022	.00008	.09910	.00233	.00020	.00004	.00016	.06192	.00014	.00170	.00009
%RSD	4.7206	7.8569	122.46	72.997	92.256	161.51	15.349	35.807	58.204	123.18	20.574
#1	-.00485	.00105	-.15100	.00154	.00008	.00000	-.00114	.21671	-.00034	-.00018	-.00051
#2	-.00454	.00094	-.01085	.00484	.00037	-.00005	-.00092	.12914	-.00014	-.00258	-.00038
Check ?	None	Chk Fail	None	None	None	None	None	None	None	None	None
Value		50.000									
Range		-10.000%									

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02124**	**-.00222**	**-.00577**	**-.02589**	**.00025**	**.00001**	F **-.00031**	**.00014**	**.00375**	F **-.05427**	**-.00113**
Stddev	.00187	.00046	.00154	.01527	.00032	.00007	.00018	.00008	.00106	.02329	.00008
%RSD	8.8111	20.943	26.619	58.955	126.66	566.96	57.460	56.712	28.161	42.925	7.3750
#1	.02256	-.00189	-.00686	-.01510	.00047	.00006	-.00044	.00020	.00301	-.03780	-.00107
#2	.01992	-.00255	-.00469	-.03669	.00003	-.00004	-.00019	.00009	.00450	-.07074	-.00118
Check ?	None	None	None	None	None	None	Chk Fail	None	None	Chk Fail	None
Value							5.0000			10.000	
Range							-10.000%			-10.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00079**	**.00515**
Stddev	.00042	.00092
%RSD	53.869	17.906
#1	-.00109	.00580
#2	-.00049	.00450
Check ?	None	None
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5332.8**	**99789.**	**6719.3**
Stddev	193.8	1783.	1910.1
%RSD	3.6344	1.7864	28.427
#1	5469.9	101050.	8070.0
#2	5195.8	98528.	5368.7

Sample Name: CCV-940591 Acquired: 8/27/2011 7:20:00 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00034**	F **-.00028**	F **.00554**	F **-.00066**	F **-.00167**	F **-.00005**	**-.00185**	F **-.01028**	F **-.00059**	F **.00021**	F **.00031**
Stddev	.00006	.00283	.00176	.00061	.00129	.00004	.00020	.00118	.00011	.00012	.00003
%RSD	17.436	1017.4	31.760	91.126	77.383	91.577	10.990	11.478	18.012	56.317	9.6507
#1	.00038	.00172	.00429	-.00109	-.00258	-.00002	-.00199	-.01112	-.00067	.00029	.00029
#2	.00030	-.00228	.00678	-.00024	-.00075	-.00007	-.00170	-.00945	-.00052	.00013	.00033
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	.50000	1.0000	.50000	.50000	.50000		5.0000	.50000	.50000	.50000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%	-10.000%	-10.000%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00465**	F **-.00101**	F **-.08610**	F **.00415**	F **.00113**	F **-.00002**	F **-.00105**	F **.20092**	F **-.00036**	F **-.00019**	F **-.00146**
Stddev	.00023	.00275	.02794	.00523	.00235	.00002	.00008	.03464	.00021	.00124	.00047
%RSD	4.8403	272.25	32.448	126.22	207.32	95.434	7.4514	17.241	58.308	661.40	32.138
#1	-.00481	.00093	-.10585	.00045	-.00053	-.00003	-.00111	.22542	-.00021	-.00106	-.00180
#2	-.00449	-.00295	-.06635	.00785	.00279	-.00001	-.00100	.17643	-.00051	.00069	-.00113
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	2.5000	50.000	1.0000	20.000	.50000	.50000	5.0000	.50000	1.0000	1.0000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01898**	F **-.00226**	F **-.00637**	F **-.01290**	F **-.00040**	F **-.00001**	**.00082**	F **.00023**	F **.00316**	**-.05195**	F **-.00100**
Stddev	.00291	.00135	.00079	.00666	.00046	.00001	.00147	.00002	.00020	.00290	.00008
%RSD	15.356	59.962	12.412	51.655	115.14	86.592	179.01	9.8917	6.3121	5.5803	8.4375
#1	.02104	-.00322	-.00581	-.01761	-.00007	.00000	.00186	.00022	.00330	-.04990	-.00094
#2	.01691	-.00130	-.00693	-.00819	-.00072	-.00001	-.00022	.00025	.00302	-.05400	-.00106
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	None	Chk Fail
Value		1.0000	1.0000	5.0000	1.0000	.50000		.50000	1.0000		.50000
Range		-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%		-10.000%

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	F **-.00042**	F **.00532**
Stddev	.00027	.00134
%RSD	63.923	25.254
#1	-.00060	.00627
#2	-.00023	.00437
Check ?	Chk Fail	Chk Fail
Value	.50000	.50000
Range	-10.000%	-10.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5257.0**	**99713.**	**7212.0**
Stddev	81.7	349.	1851.5
%RSD	1.5545	.35008	25.673
#1	5314.8	99960.	8521.2
#2	5199.2	99466.	5902.7

Sample Name: CCB Acquired: 8/27/2011 7:22:37 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00043**	W **.00792**	**-.00108**	F **-.00202**	**-.00001**	**-.00079**	**-.01008**	**-.00040**	**.00028**	**.00039**
Stddev	.00017	.00028	.00028	.00027	.00065	.00001	.00005	.00043	.00004	.00004	.00001
%RSD	86.183	65.612	3.5566	25.008	32.091	42.528	6.9022	4.2866	10.969	14.783	2.9635
#1	.00032	.00062	.00811	-.00127	-.00248	-.00002	-.00083	-.00977	-.00043	.00025	.00038
#2	.00008	.00023	.00772	-.00089	-.00156	-.00001	-.00075	-.01039	-.00037	.00030	.00040
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00440		.00115						
Low Limit			-.00440		-.00115						

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00450**	**.00068**	**-.08857**	W **.00293**	**.00178**	**-.00005**	**-.00104**	F **.20267**	**-.00042**	**.00013**	**-.00035**
Stddev	.00004	.00115	.02084	.00369	.00061	.00001	.00011	.03413	.00017	.00023	.00105
%RSD	.83988	168.81	23.533	125.95	34.256	18.343	10.633	16.842	40.414	177.57	301.77
#1	-.00447	-.00013	-.10331	.00032	.00135	-.00006	-.00112	.22680	-.00054	.00029	.00039
#2	-.00452	.00150	-.07383	.00553	.00221	-.00004	-.00096	.17853	-.00030	-.00003	-.00109
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00272			.00261				.10000			
Low Limit	-.00272			-.00261				-.10000			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02010**	**-.00099**	W **-.00641**	**-.01782**	**-.00018**	**-.00002**	**.00067**	**.00028**	**.00374**	F **-.06231**	**-.00099**
Stddev	.00234	.00138	.00086	.01435	.00003	.00008	.00077	.00022	.00136	.00216	.00036
%RSD	11.638	140.02	13.450	80.501	15.666	368.72	114.96	78.431	36.439	3.4684	36.043
#1	.01844	-.00001	-.00702	-.00768	-.00016	-.00008	.00121	.00043	.00470	-.06078	-.00074
#2	.02175	-.00197	-.00580	-.02797	-.00019	.00004	.00013	.00012	.00278	-.06383	-.00124
Check ?	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			.00486							.05000	
Low Limit			-.00486							-.05000	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00077**	F **.00588**
Stddev	.00010	.00021
%RSD	13.585	3.5825
#1	-.00084	.00573
#2	-.00069	.00603
Check ?	Chk Pass	Chk Fail
High Limit		.00476
Low Limit		-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5226.7**	**98482.**	**7502.9**
Stddev	121.5	3683.	1448.2
%RSD	2.3241	3.7398	19.302
#1	5312.6	101090.	8526.9
#2	5140.9	95878.	6478.8

Sample Name: CCVL946273 Acquired: 8/27/2011 7:25:14 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00023**	F **.00001**	F **.00647**	F **-.00094**	F **-.00135**	F **-.00003**	F **-.00093**	F **-.01078**	F **-.00047**	F **.00001**	F **.00026**
Stddev	.00016	.00019	.00093	.00010	.00098	.00005	.00256	.00054	.00024	.00008	.00013
%RSD	70.717	3726.0	14.430	11.088	72.529	178.59	275.13	4.9679	50.920	653.94	51.122
#1	.00011	.00014	.00713	-.00086	-.00205	.00001	-.00274	-.01115	-.00030	.00007	.00017
#2	.00034	-.00013	.00581	-.00101	-.00066	-.00006	.00088	-.01040	-.00063	-.00005	.00035
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01000	.10000	.01500	.10000	.01000	.00100	.10000	.20000	.00500	.01000	.01000
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00460**	F **.00220**	F **-.08226**	F **.00398**	F **-.00077**	F **-.00005**	F **-.00107**	F **.17518**	F **-.00033**	F **-.00070**	F **-.00103**
Stddev	.00065	.00049	.00600	.00114	.00112	.00004	.00017	.01637	.00002	.00034	.00159
%RSD	14.019	22.162	7.2971	28.600	145.10	82.600	15.631	9.3446	7.1788	48.830	154.48
#1	-.00506	.00186	-.07802	.00317	-.00156	-.00002	-.00119	.18676	-.00035	-.00094	.00010
#2	-.00415	.00255	-.08651	.00478	.00002	-.00008	-.00095	.16361	-.00032	-.00046	-.00216
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01500	.10000	3.0000	.01000	.20000	.01000	.02000	1.0000	.04000	3.0000	.00900
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02099**	F **-.00056**	F **-.00265**	F **-.01617**	F **-.00064**	F **.00010**	F **.00073**	F **.00022**	F **.00384**	F **-.08453**	F **-.00105**
Stddev	.00033	.00088	.00058	.00443	.00035	.00013	.00090	.00051	.00119	.00149	.00007
%RSD	1.5567	158.56	22.042	27.408	54.583	126.84	123.42	235.06	30.907	1.7668	6.8760
#1	.02075	.00007	-.00224	-.01303	-.00088	.00001	.00136	.00058	.00300	-.08558	-.00099
#2	.02122	-.00118	-.00307	-.01930	-.00039	.00019	.00009	-.00014	.00468	-.08347	-.00110
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value		.01000	.01500	.50000	.10000	.01000	.01500	.01000	.01500	.06000	.01000
Range		-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	F **-.00046**	F **.00537**
Stddev	.00003	.00056
%RSD	6.1880	10.480
#1	-.00048	.00497
#2	-.00044	.00576
Check ?	Chk Fail	Chk Fail
Value	.02000	.01500
Range	-30.000%	-30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5189.0**	**98549.**	**6703.2**
Stddev	75.0	2164.	1222.6
%RSD	1.4450	2.1961	18.239
#1	5242.1	100080.	7567.7
#2	5136.0	97019.	5838.7

Sample Name: 280-19465-c-27-a Acquired: 8/27/2011 7:27:52 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82952 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00040	.00032	.00610	-.00129	-.00208	.00000	-.00115	-.01076	-.00050	.00013
Stddev	.00006	.00059	.00128	.00041	.00054	.0000	.00243	.00074	.00016	.00008
%RSD	15.517	185.14	20.989	31.686	26.124	579.06	211.09	6.8581	31.070	62.652
#1	.00044	-.00010	.00700	-.00100	-.00246	.00000	-.00286	-.01128	-.00039	.00007
#2	.00035	.00073	.00519	-.00158	-.00169	-.00001	.00057	-.01024	-.00061	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00019	-.00466	-.00083	-.12810	.00328	.00071	-.00002	-.00110	.19846	-.00034
Stddev	.00007	.00004	.00164	.02648	.00163	.00104	.00001	.00011	.01242	.00015
%RSD	35.970	.94975	198.66	20.674	49.507	145.44	43.605	9.6867	6.2572	44.689
#1	.00023	-.00469	-.00199	-.14683	.00443	.00145	-.00002	-.00102	.20724	-.00023
#2	.00014	-.00463	.00033	-.10938	.00213	-.00002	-.00003	-.00117	.18968	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00027	-.00086	.01901	-.00040	W -.00558	-.02194	.00024	.00001	-.00001	.00033
Stddev	.00055	.00057	.00049	.00253	.00081	.00443	.00061	.00008	.00025	.00051
%RSD	207.54	66.725	2.5660	628.57	14.432	20.203	251.94	664.23	4115.5	153.78
#1	-.00066	-.00126	.01936	.00138	-.00501	-.02507	.00067	.00007	.00017	-.00003
#2	.00012	-.00045	.01867	-.00219	-.00615	-.01880	-.00019	-.00004	-.00018	.00069
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00363	W -.05112	-.00105	-.00056	.00649
Stddev	.00144	.00041	.00015	.00015	.00030
%RSD	39.710	.80110	14.197	27.206	4.6966
#1	.00261	-.05141	-.00095	-.00045	.00627
#2	.00464	-.05083	-.00116	-.00066	.00670
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5152.4	99110.	7585.1
Stddev	111.9	6575.	931.4
%RSD	2.1722	6.6343	12.279
#1	5231.5	94461.	8243.7
#2	5073.2	103760.	6926.5

Sample Name: 280-19465-c-28-a Acquired: 8/27/2011 7:30:29 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82952 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**-.00034**	**.00520**	**-.00115**	**-.00175**	**-.00001**	**-.00235**	**-.01238**	**-.00069**	**.00025**
Stddev	.00011	.00005	.00017	.00016	.00093	.00002	.00234	.00135	.00004	.00019
%RSD	22.134	15.749	3.3050	13.746	53.294	138.78	99.588	10.879	5.9008	75.463
#1	.00056	-.00030	.00508	-.00126	-.00241	-.00003	-.00070	-.01334	-.00066	.00038
#2	.00040	-.00037	.00532	-.00104	-.00109	.00000	-.00401	-.01143	-.00071	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.00460**	**-.00090**	**-.14110**	**.00247**	**-.00120**	**-.00003**	**-.00106**	**.20051**	**-.00037**
Stddev	.00004	.00017	.00206	.03268	.00155	.00104	.00001	.00005	.00973	.00003
%RSD	20.471	3.6384	228.31	23.162	62.937	87.046	24.364	5.1322	4.8550	7.0493
#1	.00022	-.00472	.00055	-.16421	.00137	-.00046	-.00004	-.00110	.20740	-.00039
#2	.00017	-.00448	-.00236	-.11799	.00357	-.00194	-.00003	-.00102	.19363	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00083**	**-.00067**	**.01802**	**-.00168**	**-.00460**	**-.02170**	**-.00031**	**.00004**	**-.00107**	**.00003**
Stddev	.00133	.00086	.00093	.00189	.00063	.00868	.00046	.00013	.00088	.00003
%RSD	160.71	127.40	5.1834	112.38	13.703	39.977	147.64	346.35	82.061	94.815
#1	.00011	-.00007	.01868	-.00301	-.00416	-.02784	.00001	-.00006	-.00045	.00001
#2	-.00177	-.00128	.01736	-.00034	-.00505	-.01557	-.00063	.00013	-.00169	.00005
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00319**	**-.03131**	**-.00074**	**-.00051**	**.00502**
Stddev	.00031	.00309	.00024	.00050	.00053
%RSD	9.5740	9.8726	31.877	97.751	10.589
#1	.00341	-.02912	-.00091	-.00016	.00540
#2	.00297	-.03349	-.00058	-.00086	.00464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5147.2**	**97735.**	**7329.5**
Stddev	72.8	294.	1378.2
%RSD	1.4146	.30080	18.803
#1	5198.7	97943.	8304.0
#2	5095.7	97527.	6355.0

Sample Name: 280-19465-c-29-a Acquired: 8/27/2011 7:33:07 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82952 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**-.00016**	**.00769**	**-.00086**	**-.00155**	**.00002**	**-.00259**	**-.00838**	**-.00051**	**.00026**
Stddev	.00047	.00011	.00172	.00037	.00100	.00006	.00064	.00516	.00006	.00026
%RSD	77.555	67.375	22.348	42.853	64.817	256.68	24.785	61.602	11.712	98.568
#1	.00094	-.00008	.00891	-.00060	-.00226	-.00002	-.00304	-.01203	-.00055	.00044
#2	.00027	-.00023	.00648	-.00112	-.00084	.00007	-.00213	-.00473	-.00047	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**-.00468**	**.00087**	**-.08872**	**.00322**	**-.00061**	**-.00005**	**-.00131**	**.20050**	**-.00031**
Stddev	.00003	.00010	.00143	.03118	.00169	.00120	.00006	.00003	.01818	.00015
%RSD	7.2295	2.2041	163.09	35.141	52.330	195.41	130.18	2.6628	9.0670	48.887
#1	.00037	-.00475	.00188	-.11076	.00203	.00023	.00000	-.00129	.21335	-.00042
#2	.00034	-.00460	-.00013	-.06667	.00442	-.00146	-.00009	-.00133	.18764	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00093**	**-.00100**	**.02252**	**-.00125**	W **-.00677**	**-.01267**	**-.00055**	**.00009**	**.00062**	**.00016**
Stddev	.00046	.00018	.00024	.00072	.00015	.00846	.00080	.00007	.00091	.00014
%RSD	49.555	18.224	1.0844	57.686	2.2713	66.755	146.17	85.290	145.52	89.035
#1	-.00126	-.00113	.02269	-.00074	-.00666	-.01865	.00002	.00014	.00127	.00006
#2	-.00061	-.00087	.02235	-.00176	-.00688	-.00669	-.00112	.00003	-.00002	.00026
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00323**	W **-.06057**	**-.00115**	**-.00100**	**.00425**
Stddev	.00036	.00197	.00011	.00006	.00131
%RSD	11.053	3.2523	9.3137	6.0885	30.811
#1	.00298	-.05918	-.00107	-.00105	.00518
#2	.00348	-.06197	-.00122	-.00096	.00333
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5234.5**	**99393.**	**7147.8**
Stddev	81.0	625.	1684.0
%RSD	1.5475	.62838	23.560
#1	5291.8	99834.	8338.6
#2	5177.2	98951.	5957.0

Sample Name: 280-19465-c-30-a Acquired: 8/27/2011 7:35:45 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82952 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00003**	**.00643**	**-.00112**	**-.00199**	**-.00003**	**-.00107**	**-.01045**	**-.00039**	**.00016**
Stddev	.00004	.00090	.00029	.00030	.00032	.00003	.00097	.00002	.00012	.00001
%RSD	7.4905	3594.7	4.4681	26.377	16.059	80.576	90.461	.14666	29.989	6.1634
#1	.00062	.00066	.00663	-.00133	-.00221	-.00005	-.00039	-.01046	-.00031	.00017
#2	.00056	-.00061	.00622	-.00091	-.00176	-.00001	-.00176	-.01044	-.00047	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**-.00447**	**-.00048**	**-.13454**	**.00155**	**-.00023**	**-.00003**	**-.00117**	**.19556**	**-.00030**
Stddev	.00014	.00040	.00049	.02407	.00193	.00022	.00001	.00006	.01555	.00024
%RSD	52.873	8.9415	101.51	17.887	124.89	96.776	38.695	4.7218	7.9494	80.722
#1	.00037	-.00475	-.00083	-.11753	.00292	-.00007	-.00004	-.00121	.20655	-.00047
#2	.00017	-.00419	-.00014	-.15156	.00018	-.00038	-.00002	-.00113	.18456	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00242**	**.00001**	**.02072**	**-.00195**	**-.00364**	**-.01910**	**-.00010**	**-.00005**	**.00019**	**.00011**
Stddev	.00051	.00042	.00074	.00049	.00032	.01518	.00083	.00007	.00073	.00010
%RSD	21.193	6191.1	3.5687	25.051	8.7871	79.472	820.75	158.39	392.87	94.389
#1	-.00278	.00031	.02124	-.00160	-.00341	-.02984	-.00069	-.00010	.00071	.00004
#2	-.00205	-.00029	.02020	-.00230	-.00387	-.00837	.00049	.00001	-.00033	.00018
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00257**	**-.03874**	**-.00144**	**-.00073**	**.00526**
Stddev	.00099	.00327	.00030	.00017	.00030
%RSD	38.726	8.4517	20.644	23.170	5.7400
#1	.00186	-.03642	-.00123	-.00085	.00548
#2	.00327	-.04105	-.00165	-.00061	.00505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5236.2**	**99491.**	**7765.6**
Stddev	115.6	1867.	749.2
%RSD	2.2083	1.8768	9.6480
#1	5318.0	98171.	8295.4
#2	5154.4	100810.	7235.8

Sample Name: 280-19465-c-31-a Acquired: 8/27/2011 7:38:24 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82952 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00029	-.00014	.00631	-.00069	-.00199	-.00002	-.00111	-.00909	-.00063	.00005
Stddev	.00007	.00015	.00057	.00037	.00092	.00003	.00078	.00153	.00002	.00006
%RSD	24.659	108.02	9.0923	53.112	46.340	173.71	70.535	16.862	3.8600	115.66
#1	.00024	-.00024	.00671	-.00095	-.00264	.00000	-.00056	-.01017	-.00065	.00001
#2	.00034	-.00003	.00590	-.00043	-.00134	-.00004	-.00166	-.00800	-.00061	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00017	-.00462	-.00193	-.13765	.00148	-.00091	-.00003	-.00112	.20152	-.00034
Stddev	.00014	.00012	.00024	.04507	.00041	.00240	.00000	.00026	.01160	.00003
%RSD	80.118	2.6387	12.430	32.741	27.336	264.22	4.5920	23.705	5.7581	7.3817
#1	.00027	-.00471	-.00176	-.16951	.00120	.00079	-.00003	-.00093	.20972	-.00036
#2	.00008	-.00453	-.00210	-.10578	.00177	-.00261	-.00003	-.00130	.19331	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00095	-.00062	.01695	-.00169	W -.00559	-.01844	-.00059	.00003	-.00081	.00025
Stddev	.00203	.00122	.00053	.00017	.00315	.00578	.00025	.00011	.00026	.00033
%RSD	213.66	197.24	3.1123	10.334	56.344	31.353	42.416	381.73	32.648	132.34
#1	.00049	.00025	.01657	-.00156	-.00782	-.02253	-.00042	.00011	-.00100	.00002
#2	-.00239	-.00149	.01732	-.00181	-.00336	-.01435	-.00077	-.00005	-.00062	.00048
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00334	-.04223	-.00114	-.00067	.00556
Stddev	.00021	.00065	.00001	.00005	.00072
%RSD	6.3203	1.5371	.77630	7.2618	12.970
#1	.00349	-.04177	-.00113	-.00070	.00608
#2	.00319	-.04269	-.00115	-.00063	.00505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5295.6	102490.	7498.0
Stddev	107.8	3879.	1128.5
%RSD	2.0347	3.7847	15.051
#1	5371.8	99746.	8296.0
#2	5219.4	105230.	6700.0

Sample Name: 280-19465-c-32-a Acquired: 8/27/2011 7:41:00 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82952 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00076	-.00030	.00877	-.00090	-.00151	-.00002	-.00102	-.00719	-.00048	.00004
Stddev	.00007	.00048	.00078	.00002	.00062	.00001	.00098	.00120	.00009	.00008
%RSD	9.3722	161.18	8.9416	2.3972	41.144	27.913	96.730	16.694	19.534	205.06
#1	.00071	-.00064	.00821	-.00091	-.00196	-.00003	-.00032	-.00804	-.00054	.00009
#2	.00081	.00004	.00932	-.00088	-.00107	-.00002	-.00171	-.00634	-.00041	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00021	-.00467	-.00245	-.09825	.00306	-.00046	-.00002	-.00115	.16987	-.00038
Stddev	.00004	.00027	.00215	.06014	.00262	.00222	.00000	.00017	.03008	.00034
%RSD	16.821	5.8877	87.967	61.211	85.681	481.97	13.680	14.598	17.705	89.786
#1	.00024	-.00447	-.00093	-.14077	.00491	.00111	-.00002	-.00103	.19114	-.00014
#2	.00019	-.00486	-.00397	-.05572	.00121	-.00203	-.00002	-.00127	.14861	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00203	-.00142	.01856	-.00082	W -.00586	-.02040	-.00036	-.00004	.00010	.00026
Stddev	.00088	.00138	.00254	.00022	.00078	.00669	.00051	.00001	.00157	.00009
%RSD	43.197	97.220	13.704	26.888	13.300	32.774	139.79	21.800	1605.4	36.471
#1	-.00265	-.00239	.02036	-.00067	-.00531	-.01567	.00000	-.00005	.00121	.00032
#2	-.00141	-.00044	.01676	-.00098	-.00641	-.02513	-.00073	-.00003	-.00101	.00019
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00350	W -.06108	-.00101	-.00042	.00563
Stddev	.00038	.00685	.00059	.00035	.00162
%RSD	10.819	11.215	58.612	83.037	28.765
#1	.00377	-.06592	-.00059	-.00066	.00678
#2	.00323	-.05624	-.00143	-.00017	.00449
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5230.7	96619.	6800.7
Stddev	144.1	1197.	1156.6
%RSD	2.7553	1.2388	17.007
#1	5332.6	97466.	7618.5
#2	5128.8	95773.	5982.8

Sample Name: 280-19465-c-33-a Acquired: 8/27/2011 7:43:37 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82952 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00007**	**.00541**	**-.00071**	**-.00191**	**-.00002**	**-.00397**	**-.01039**	**-.00066**	**.00012**
Stddev	.00098	.00046	.00209	.00006	.00085	.00004	.00188	.00076	.00007	.00010
%RSD	325.52	651.81	38.691	9.1061	44.720	198.59	47.254	7.2913	10.785	82.734
#1	-.00039	-.00026	.00688	-.00075	-.00252	.00001	-.00265	-.01092	-.00071	.00019
#2	.00099	.00040	.00393	-.00066	-.00131	-.00005	-.00530	-.00985	-.00061	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.00440**	**-.00055**	**-.13420**	**.00185**	**-.00100**	**-.00004**	**-.00106**	**.20644**	**-.00047**
Stddev	.00005	.00040	.00134	.05093	.00315	.00012	.00005	.00013	.00207	.00011
%RSD	27.605	9.0479	245.14	37.953	170.45	12.482	142.18	12.682	1.0022	24.299
#1	.00023	-.00468	-.00150	-.17022	-.00038	-.00091	.00000	-.00115	.20791	-.00039
#2	.00015	-.00412	.00040	-.09819	.00408	-.00109	-.00007	-.00096	.20498	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00209**	**-.00009**	**.01860**	**-.00098**	W **-.00651**	**-.02587**	**-.00034**	**.00006**	**.00013**	**.00037**
Stddev	.00159	.00036	.00165	.00095	.00545	.00446	.00014	.00003	.00135	.00009
%RSD	76.125	411.33	8.8643	97.089	83.759	17.220	40.354	55.422	1052.2	23.361
#1	-.00321	-.00034	.01743	-.00031	-.01036	-.02902	-.00044	.00003	-.00083	.00043
#2	-.00096	.00017	.01976	-.00166	-.00265	-.02272	-.00024	.00008	.00108	.00031
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00339**	**-.04991**	**-.00118**	**-.00057**	**.00417**
Stddev	.00079	.00050	.00017	.00006	.00219
%RSD	23.280	.99198	14.508	9.6478	52.649
#1	.00395	-.04956	-.00106	-.00061	.00572
#2	.00283	-.05026	-.00130	-.00054	.00262
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5254.6**	**98628.**	**7390.2**
Stddev	100.6	851.	1058.8
%RSD	1.9149	.86280	14.328
#1	5325.8	99230.	8138.9
#2	5183.5	98026.	6641.5

Sample Name: 280-19465-c-33-b ms Acquired: 8/27/2011 7:46:14 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82952 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00117**	**.00749**	**-.00133**	**-.00125**	**-.00005**	**-.00244**	**-.01043**	**-.00055**	**.00006**
Stddev	.00010	.00029	.00204	.00013	.00119	.00006	.00140	.00484	.00031	.00032
%RSD	29.689	24.847	27.229	9.4769	94.974	124.76	57.439	46.405	56.591	550.77
#1	.00042	.00097	.00605	-.00142	-.00210	-.00009	-.00343	-.01385	-.00033	-.00017
#2	.00027	.00138	.00894	-.00124	-.00041	-.00001	-.00145	-.00701	-.00076	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**-.00459**	**.00148**	**-.09855**	**.00640**	**-.00078**	**-.00003**	**-.00087**	**.17019**	**-.00044**
Stddev	.00004	.00015	.00098	.05699	.00558	.00006	.00003	.00002	.04487	.00029
%RSD	11.892	3.2434	66.478	57.836	87.120	8.0400	109.37	2.4291	26.366	65.688
#1	.00033	-.00470	.00078	-.13885	.00246	-.00073	-.00001	-.00086	.20192	-.00024
#2	.00039	-.00449	.00217	-.05824	.01035	-.00082	-.00005	-.00089	.13846	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00073**	**.01858**	**.00094**	**-.00360**	**-.01792**	**-.00018**	**.00004**	**-.00048**	**.00023**
Stddev	.00018	.00055	.00367	.00090	.00106	.00476	.00014	.00003	.00124	.00014
%RSD	395.06	75.856	19.749	96.024	29.377	26.581	75.717	66.412	259.07	62.756
#1	-.00018	-.00034	.01598	.00030	-.00435	-.02129	-.00028	.00002	.00040	.00033
#2	.00008	-.00112	.02117	.00157	-.00285	-.01455	-.00009	.00006	-.00136	.00013
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00308**	W **-.05069**	**-.00134**	**-.00052**	**.00635**
Stddev	.00034	.03305	.00014	.00021	.00009
%RSD	11.205	65.206	10.574	39.125	1.4362
#1	.00332	-.07406	-.00144	-.00038	.00641
#2	.00283	-.02732	-.00124	-.00067	.00628
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5426.7**	**96704.**	**6836.0**
Stddev	71.2	1285.	1905.7
%RSD	1.3115	1.3286	27.877
#1	5477.0	97612.	8183.5
#2	5376.3	95795.	5488.5

Sample Name: 280-19465-c-33-c msd Acquired: 8/27/2011 7:48:55 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82952 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	.00032	.00726	-.00099	-.00160	.00002	-.00194	-.01052	-.00059	.00013
Stddev	.00013	.00046	.00422	.00003	.00107	.00001	.00108	.00354	.00004	.00013
%RSD	148.81	146.16	58.198	3.1766	66.997	45.477	55.605	33.704	6.8775	99.668
#1	.00000	.00065	.00427	-.00101	-.00236	.00003	-.00270	-.01302	-.00062	.00004
#2	.00019	-.00001	.01025	-.00097	-.00084	.00001	-.00118	-.00801	-.00056	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00040	-.00435	.00146	-.12129	.00227	.00090	.00001	-.00096	.19750	-.00031
Stddev	.00001	.00001	.00192	.04465	.00149	.00161	.00000	.00011	.01667	.00009
%RSD	1.6574	.28533	131.89	36.814	65.635	178.39	44.745	11.353	8.4421	29.501
#1	.00041	-.00436	.00010	-.15286	.00332	.00204	.00001	-.00088	.20929	-.00038
#2	.00040	-.00435	.00282	-.08971	.00121	-.00024	.00001	-.00103	.18571	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00019	-.00075	.02015	-.00118	W -.00619	-.01142	-.00022	.00003	-.00081	.00034
Stddev	.00049	.00098	.00265	.00008	.00207	.00874	.00034	.00005	.00088	.00013
%RSD	255.19	130.56	13.157	7.0442	33.383	76.584	155.59	168.26	108.39	38.856
#1	-.00054	-.00145	.01828	-.00124	-.00473	-.00523	.00002	.00007	-.00019	.00043
#2	.00015	-.00006	.02203	-.00113	-.00765	-.01760	-.00045	-.00001	-.00143	.00025
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00342	-.03726	-.00104	-.00096	.00449
Stddev	.00004	.00230	.00030	.00006	.00097
%RSD	1.1681	6.1644	29.324	6.2848	21.499
#1	.00345	-.03888	-.00126	-.00092	.00517
#2	.00339	-.03563	-.00082	-.00100	.00381
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5189.5	99342.	7111.8
Stddev	97.9	1981.	1497.5
%RSD	1.8865	1.9944	21.056
#1	5258.7	100740.	8170.7
#2	5120.3	97941.	6052.9

Sample Name: CCVH-940568 Acquired: 8/27/2011 7:51:33 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**-.00030**	**.00819**	**-.00094**	**-.00178**	**-.00006**	F **-.00188**	**-.01019**	**-.00052**	**.00001**	**.00025**
Stddev	.00018	.00046	.00064	.00043	.00035	.00006	.00319	.00118	.00002	.00027	.00022
%RSD	37.537	153.17	7.8253	45.992	19.523	98.666	169.22	11.610	3.0097	2417.9	85.886
#1	.00060	-.00063	.00773	-.00063	-.00203	-.00002	-.00414	-.01102	-.00053	.00020	.00010
#2	.00035	.00003	.00864	-.00124	-.00154	-.00010	.00037	-.00935	-.00051	-.00018	.00041
Check ?	None	None	None	None	None	None	Chk Fail	None	None	None	None
Value							1.0000				
Range							-10.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00449**	F **.00094**	**-.10109**	**.00159**	**.00007**	**-.00002**	**-.00128**	**.20845**	**-.00044**	**-.00028**	**-.00086**
Stddev	.00014	.00052	.02233	.00464	.00153	.00000	.00005	.01418	.00003	.00051	.00226
%RSD	3.0656	55.379	22.086	291.04	2216.9	6.7987	3.7741	6.8049	6.1299	180.43	263.70
#1	-.00440	.00057	-.11688	-.00169	-.00101	-.00002	-.00132	.21848	-.00042	.00008	.00074
#2	-.00459	.00130	-.08531	.00487	.00115	-.00002	-.00125	.19842	-.00046	-.00065	-.00245
Check ?	None	Chk Fail	None	None	None	None	None	None	None	None	None
Value		50.000									
Range		-10.000%									

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01959**	**-.00072**	**-.00691**	**-.02133**	**-.00044**	**.00004**	F **.00061**	**.00024**	**.00313**	F **-.04650**	**-.00107**
Stddev	.00218	.00015	.00061	.00715	.00000	.00002	.00103	.00010	.00013	.02208	.00007
%RSD	11.128	21.004	8.8515	33.511	.08480	63.978	168.97	41.084	4.2819	47.490	6.5383
#1	.02113	-.00082	-.00735	-.02639	-.00044	.00002	-.00012	.00017	.00323	-.03089	-.00112
#2	.01805	-.00061	-.00648	-.01628	-.00044	.00006	.00134	.00031	.00304	-.06212	-.00102
Check ?	None	None	None	None	None	None	Chk Fail	None	None	Chk Fail	None
Value							5.0000			10.000	
Range							-10.000%			-10.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00067**	**.00618**
Stddev	.00000	.00145
%RSD	.03775	23.545
#1	-.00067	.00515
#2	-.00068	.00721
Check ?	None	None
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5272.2**	**100070.**	**7451.9**
Stddev	54.7	432.	1238.5
%RSD	1.0370	.43145	16.619
#1	5310.9	100380.	8327.6
#2	5233.5	99768.	6576.2

Sample Name: CCV-940591 Acquired: 8/27/2011 7:54:11 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00037**	F **.00005**	F **.00714**	F **-.00127**	F **-.00153**	F **-.00004**	**-.00183**	F **-.01035**	F **-.00060**	F **.00025**	F **.00019**
Stddev	.00006	.00061	.00202	.00001	.00098	.00005	.00018	.00028	.00005	.00026	.00000
%RSD	16.486	1167.8	28.307	.42434	63.928	128.00	9.7310	2.6993	8.3258	105.30	2.5024
#1	.00042	.00049	.00857	-.00128	-.00222	.00000	-.00196	-.01055	-.00064	.00044	.00019
#2	.00033	-.00038	.00571	-.00127	-.00084	-.00008	-.00171	-.01015	-.00057	.00006	.00020
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	.50000	1.0000	.50000	.50000	.50000		5.0000	.50000	.50000	.50000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%	-10.000%	-10.000%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00442**	F **.00068**	F **-.11333**	F **.00558**	F **-.00104**	F **-.00004**	F **-.00116**	F **.18761**	F **-.00012**	F **.00010**	F **-.00088**
Stddev	.00002	.00137	.01166	.00166	.00000	.00005	.00018	.02609	.00028	.00140	.00004
%RSD	.50291	200.20	10.286	29.767	.30982	134.33	15.847	13.905	232.16	1347.2	4.2210
#1	-.00443	-.00028	-.12158	.00440	-.00104	.00000	-.00103	.20606	-.00032	-.00089	-.00086
#2	-.00440	.00165	-.10509	.00675	-.00104	-.00008	-.00129	.16917	.00008	.00110	-.00091
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	2.5000	50.000	1.0000	20.000	.50000	.50000	5.0000	.50000	1.0000	1.0000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02218**	F **-.00203**	F **-.00595**	F **-.01457**	F **.00002**	F **.00003**	**.00063**	F **.00041**	F **.00339**	**-.06695**	F **-.00106**
Stddev	.00039	.00032	.00518	.00573	.00049	.00007	.00002	.00015	.00024	.00554	.00019
%RSD	1.7363	15.713	87.140	39.327	2764.1	225.77	3.4448	36.386	6.9716	8.2743	17.793
#1	.02191	-.00180	-.00228	-.01862	.00036	-.00002	.00065	.00031	.00323	-.06303	-.00092
#2	.02246	-.00226	-.00961	-.01052	-.00033	.00008	.00062	.00052	.00356	-.07087	-.00119
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	None	Chk Fail
Value		1.0000	1.0000	5.0000	1.0000	.50000		.50000	1.0000		.50000
Range		-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%		-10.000%

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	F **-.00063**	F **.00600**
Stddev	.00010	.00142
%RSD	15.942	23.696
#1	-.00056	.00500
#2	-.00071	.00701
Check ?	Chk Fail	Chk Fail
Value	.50000	.50000
Range	-10.000%	-10.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5121.1**	**98946.**	**7097.5**
Stddev	11.7	1313.	1622.5
%RSD	.22866	1.3267	22.860
#1	5129.4	99875.	8244.8
#2	5112.9	98018.	5950.3

Sample Name: CCB Acquired: 8/27/2011 7:56:51 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00040**	W **.00608**	**-.00103**	F **-.00159**	**.00000**	**-.00045**	**-.00945**	W **-.00046**	**.00005**
Stddev	.00000	.00029	.00135	.00030	.00099	.0000	.00048	.00415	.00021	.00004
%RSD	.71645	73.146	22.158	28.819	62.235	1372.3	106.51	43.881	47.043	85.110
#1	.00031	.00061	.00513	-.00124	-.00229	.00002	-.00011	-.01238	-.00061	.00008
#2	.00032	.00019	.00703	-.00082	-.00089	-.00003	-.00080	-.00652	-.00030	.00002
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass
High Limit			.00440		.00115				.00045	
Low Limit			-.00440		-.00115				-.00045	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	F **-.00461**	**-.00039**	**-.08043**	**.00186**	**-.00018**	**.00002**	**-.00103**	F **.19009**	**-.00028**
Stddev	.00009	.00023	.00072	.05324	.00130	.00104	.00003	.00014	.04010	.00010
%RSD	30.252	5.0271	185.18	66.197	70.179	579.55	159.16	13.755	21.097	34.998
#1	.00025	-.00478	.00012	-.11807	.00094	-.00092	.00000	-.00093	.21844	-.00021
#2	.00038	-.00445	-.00090	-.04278	.00278	.00056	.00004	-.00113	.16173	-.00035
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		.00272							.10000	
Low Limit		-.00272							-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00137**	**-.00048**	**.02027**	**-.00109**	**-.00471**	**-.01341**	**-.00033**	**.00000**	**.00106**	**.00007**
Stddev	.00206	.00090	.00028	.00117	.00146	.00826	.00030	.0000	.00002	.00014
%RSD	149.92	188.39	1.3865	107.50	31.023	61.577	92.461	590.44	2.2595	198.76
#1	-.00008	.00016	.02007	-.00026	-.00574	-.01925	-.00011	-.00002	.00108	-.00003
#2	.00283	-.00111	.02047	-.00192	-.00367	-.00757	-.00054	.00001	.00105	.00017
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00287**	F **-.07056**	W **-.00133**	**-.00075**	F **.00518**
Stddev	.00161	.02142	.00009	.00013	.00020
%RSD	55.984	30.354	6.9001	17.294	3.9358
#1	.00173	-.05541	-.00127	-.00084	.00532
#2	.00400	-.08570	-.00140	-.00066	.00503
Check ?	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Fail
High Limit		.05000	.00111		.00476
Low Limit		-.05000	-.00111		-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5193.3**	**100240.**	**7154.0**
Stddev	78.3	2178.	1847.9
%RSD	1.5078	2.1728	25.830
#1	5248.6	101780.	8460.7
#2	5137.9	98702.	5847.4

Sample Name: CCVL946273 Acquired: 8/27/2011 7:59:28 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00004**	F **.00090**	F **.00725**	F **-.00091**	F **-.00186**	F **-.00008**	F **-.00042**	F **-.01102**	F **-.00056**	F **.00004**	F **.00026**
Stddev	.00042	.00229	.00114	.00035	.00047	.00004	.00313	.00178	.00000	.00002	.00008
%RSD	1144.8	254.67	15.727	38.749	25.562	53.002	744.89	16.166	.01666	42.855	30.671
#1	.00033	.00252	.00644	-.00116	-.00219	-.00005	-.00264	-.01228	-.00056	.00005	.00032
#2	-.00026	-.00072	.00806	-.00066	-.00152	-.00010	.00179	-.00976	-.00056	.00003	.00020
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01000	.10000	.01500	.10000	.01000	.00100	.10000	.20000	.00500	.01000	.01000
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00491**	F **.00014**	F **-.14162**	F **.00231**	F **-.00040**	F **.00000**	F **-.00109**	F **.19393**	F **-.00032**	F **-.00077**	F **.00009**
Stddev	.00006	.00067	.02106	.00242	.00102	.0000	.00022	.02434	.00009	.00063	.00018
%RSD	1.1672	469.40	14.867	104.99	256.40	89.454	19.894	12.553	27.027	82.319	192.60
#1	-.00495	-.00033	-.15651	.00059	.00032	-.00001	-.00093	.21115	-.00026	-.00032	-.00003
#2	-.00487	.00062	-.12673	.00402	-.00112	.00000	-.00124	.17672	-.00038	-.00122	.00022
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01500	.10000	3.0000	.01000	.20000	.01000	.02000	1.0000	.04000	3.0000	.00900
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01849**	F **-.00127**	F **-.00511**	F **-.01276**	F **-.00021**	F **.00008**	F **.00005**	F **.00009**	F **.00349**	F **-.04264**	F **-.00087**
Stddev	.00111	.00034	.00093	.00062	.00030	.00001	.00051	.00027	.00123	.02032	.00043
%RSD	6.0016	26.619	18.281	4.8388	141.73	13.244	995.14	286.43	35.064	47.658	48.998
#1	.01927	-.00151	-.00577	-.01232	.00000	.00007	-.00031	-.00010	.00263	-.02827	-.00118
#2	.01770	-.00103	-.00445	-.01320	-.00042	.00009	.00041	.00029	.00436	-.05701	-.00057
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value		.01000	.01500	.50000	.10000	.01000	.01500	.01000	.01500	.06000	.01000
Range		-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	F **-.00062**	F **.00641**
Stddev	.00027	.00058
%RSD	42.743	8.9786
#1	-.00081	.00600
#2	-.00044	.00682
Check ?	Chk Fail	Chk Fail
Value	.02000	.01500
Range	-30.000%	-30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5179.6**	**97663.**	**7588.2**
Stddev	45.1	574.	1219.5
%RSD	.87051	.58746	16.071
#1	5211.5	97257.	8450.5
#2	5147.7	98069.	6725.9

Sample Name: lb2 280-82742/1-b Acquired: 8/27/2011 8:02:05 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83040 TCLP 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00068	-.00057	W .00512	-.00093	-.00108	-.00005	-.00283	-.01025	-.00053	.00017
Stddev	.00002	.00124	.00104	.00030	.00147	.00002	.00113	.00117	.00006	.00023
%RSD	3.1858	216.02	20.372	32.693	136.89	47.121	39.998	11.453	11.772	135.43
#1	.00066	-.00145	.00438	-.00071	-.00212	-.00006	-.00363	-.01108	-.00057	.00033
#2	.00069	.00030	.00586	-.00114	-.00003	-.00003	-.00203	-.00942	-.00048	.00001
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00500							
Low Limit			-.00500							

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00017	-.00455	.00155	-.09344	.00406	.00035	-.00003	-.00102	.18121	-.00037
Stddev	.00000	.00017	.00029	.07512	.00548	.00099	.00003	.00003	.02304	.00007
%RSD	1.0948	3.7596	18.343	80.396	135.02	282.30	92.719	3.2809	12.717	19.088
#1	.00018	-.00467	.00176	-.14656	.00018	-.00035	-.00001	-.00104	.19751	-.00032
#2	.00017	-.00442	.00135	-.04032	.00793	.00105	-.00005	-.00099	.16492	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00033	-.00157	.01820	-.00130	W -.00727	-.01982	-.00057	.00010	-.00019	.00019
Stddev	.00073	.00019	.00119	.00052	.00056	.00412	.00027	.00003	.00033	.00032
%RSD	219.53	12.071	6.5257	39.652	7.7632	20.781	46.384	29.772	176.29	164.33
#1	.00018	-.00170	.01904	-.00094	-.00687	-.01691	-.00076	.00008	.00005	-.00003
#2	-.00085	-.00143	.01736	-.00167	-.00767	-.02274	-.00038	.00012	-.00042	.00042
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00500					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00289	-.03938	-.00121	-.00081	W .00682
Stddev	.00031	.01548	.00004	.00002	.00202
%RSD	10.731	39.322	3.1318	3.0118	29.578
#1	.00267	-.05033	-.00123	-.00079	.00824
#2	.00311	-.02843	-.00118	-.00083	.00539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					.00500
Low Limit					-.00500

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5198.3	99779.	7009.3
Stddev	8.8	899.	1969.9
%RSD	.16910	.90067	28.104
#1	5204.6	99144.	8402.2
#2	5192.1	100410.	5616.4

Sample Name: lcs 280-82742/2-b Acquired: 8/27/2011 8:04:43 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83040 TCLP 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00077**	F **-.00031**	F **.00626**	F **-.00128**	F **-.00188**	F **.00003**	F **-.00029**	F **-.01059**	F **-.00060**	F **-.00002**
Stddev	.00012	.00100	.00486	.00017	.00075	.00004	.00108	.00245	.00004	.00008
%RSD	15.185	319.77	77.635	13.406	40.009	144.16	373.97	23.092	6.8877	466.56
#1	.00069	-.00102	.00282	-.00115	-.00241	.00005	.00048	-.01232	-.00057	.00004
#2	.00085	.00039	.00969	-.00140	-.00135	.00000	-.00105	-.00886	-.00063	-.00008
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	.25200	.48000	.96000	.24000	2.8800	.01200	.48000	12.000	.26400	.12000
Low Limit	.16800	.32000	.64000	.16000	1.9200	.00800	.32000	8.0000	.17600	.08000

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00030**	F **-.00444**	F **.00062**	F **-.11867**	F **.00265**	F **-.00022**	F **-.00007**	F **-.00124**	F **.20649**	F **-.00046**
Stddev	.00005	.00006	.00115	.01733	.00076	.00124	.00001	.00010	.01338	.00002
%RSD	16.455	1.3652	184.98	14.602	28.797	570.12	17.778	7.7759	6.4796	3.9586
#1	.00026	-.00448	.00143	-.13092	.00211	-.00109	-.00008	-.00131	.21595	-.00045
#2	.00033	-.00440	-.00019	-.10642	.00318	.00066	-.00006	-.00117	.19702	-.00047
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	1.2480	.60000	.24000	12.000	.24000	12.000	.12000	.24000	12.000	.12000
Low Limit	.83200	.40000	.16000	8.0000	.16000	8.0000	.08000	.16000	8.0000	.08000

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00050**	F **-.00011**	**.02015**	F **.00003**	F **-.00457**	F **-.01633**	F **-.00049**	F **-.00003**	F **-.00030**	F **.00030**
Stddev	.00037	.00140	.00047	.00067	.00177	.00562	.00017	.00002	.00064	.00012
%RSD	74.722	1305.3	2.3477	2532.4	38.707	34.403	34.225	55.819	213.42	41.321
#1	.00077	-.00110	.02048	.00050	-.00332	-.01235	-.00037	-.00004	.00015	.00038
#2	.00024	.00088	.01981	-.00045	-.00582	-.02030	-.00061	-.00002	-.00075	.00021
Check ?	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	2.4000	1.3200		.12000	.72000	.48000	.48000	.24000	.24000	.24000
Low Limit	1.6000	.88000		.08000	.48000	.32000	.32000	.16000	.16000	.16000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **.00304**	F **-.05413**	F **-.00090**	F **-.00054**	F **.00540**
Stddev	.00011	.01210	.00009	.00008	.00068
%RSD	3.6848	22.349	9.7728	13.785	12.585
#1	.00296	-.06268	-.00083	-.00049	.00588
#2	.00312	-.04557	-.00096	-.00060	.00492
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	.48000	.48000	.12000	.60000	.12000
Low Limit	.32000	.32000	.08000	.40000	.08000

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5168.5**	**98790.**	**7417.1**
Stddev	63.5	271.	1550.0
%RSD	1.2278	.27438	20.898
#1	5213.4	98599.	8513.2
#2	5123.7	98982.	6321.1

Sample Name: 280-19390-a-2-b Acquired: 8/27/2011 8:07:21 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83040 TCLP 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00035	-.00055	.00763	-.00100	-.00163	-.00004	-.00203	-.00966	-.00050	.00018
Stddev	.00009	.00021	.00066	.00033	.00101	.00005	.00339	.00300	.00024	.00017
%RSD	24.817	38.661	8.7191	32.965	61.630	105.42	166.86	31.004	47.749	96.532
#1	.00041	-.00040	.00716	-.00124	-.00234	-.00001	.00037	-.01178	-.00067	.00006
#2	.00029	-.00070	.00810	-.00077	-.00092	-.00008	-.00442	-.00754	-.00033	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00011	-.00466	-.00044	-.10423	.00330	.00057	-.00006	-.00090	.19622	-.00054
Stddev	.00010	.00005	.00249	.00257	.00642	.00010	.00001	.00005	.03156	.00009
%RSD	87.199	.98546	570.19	2.4667	194.49	16.874	23.109	5.3325	16.083	16.292
#1	.00018	-.00470	-.00220	-.10241	-.00124	.00050	-.00007	-.00094	.21854	-.00048
#2	.00004	-.00463	.00132	-.10605	.00784	.00063	-.00005	-.00087	.17390	-.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00152	-.00185	.01747	-.00112	W -.00628	-.01841	-.00034	-.00008	-.00012	.00002
Stddev	.00010	.00005	.00199	.00028	.00073	.00766	.00018	.00011	.00075	.00014
%RSD	6.4551	2.4420	11.382	25.125	11.674	41.609	54.974	129.74	625.72	834.03
#1	-.00159	-.00181	.01887	-.00092	-.00576	-.01299	-.00021	-.00001	-.00065	.00011
#2	-.00146	-.00188	.01606	-.00132	-.00679	-.02383	-.00047	-.00016	.00041	-.00008
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00362	W -.05093	-.00099	-.00076	.00346
Stddev	.00139	.00207	.00019	.00009	.00146
%RSD	38.365	4.0676	19.484	12.268	42.107
#1	.00264	-.04946	-.00113	-.00083	.00448
#2	.00460	-.05239	-.00086	-.00070	.00243
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5176.3	99919.	7296.8
Stddev	48.0	163.	1636.2
%RSD	.92709	.16271	22.424
#1	5210.2	99804.	8453.7
#2	5142.4	100030.	6139.8

Sample Name: 280-19390-a-2-bSD@5 Acquired: 8/27/2011 8:09:59 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83040 TCLP 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00019**	**.00625**	**-.00088**	**-.00134**	**-.00005**	**-.00141**	**-.01084**	**-.00041**	**.00013**
Stddev	.00013	.00027	.00020	.00009	.00114	.00000	.00030	.00293	.00005	.00030
%RSD	193.21	143.95	3.1441	9.9196	85.135	7.4601	21.474	27.073	12.810	235.19
#1	.00016	.00000	.00638	-.00082	-.00215	-.00005	-.00163	-.01292	-.00038	-.00008
#2	-.00002	.00038	.00611	-.00094	-.00053	-.00005	-.00120	-.00877	-.00045	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**-.00462**	**.00037**	**-.09992**	**.00412**	**-.00062**	**.00002**	**-.00104**	**.17536**	**-.00025**
Stddev	.00004	.00000	.00079	.01845	.00367	.00029	.00002	.00001	.04555	.00011
%RSD	15.190	.07545	213.47	18.464	89.067	46.722	80.366	.56479	25.974	43.461
#1	.00025	-.00462	.00093	-.11297	.00152	-.00041	.00004	-.00104	.20756	-.00033
#2	.00031	-.00462	-.00019	-.08688	.00671	-.00082	.00001	-.00103	.14315	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**-.00080**	**.01636**	**-.00098**	W **-.00702**	**-.03393**	**-.00020**	**-.00011**	**.00100**	**.00019**
Stddev	.00118	.00181	.00006	.00010	.00226	.01515	.00051	.00007	.00064	.00009
%RSD	269.82	227.15	.33769	9.9472	32.219	44.657	251.85	60.458	63.666	45.906
#1	-.00040	.00048	.01632	-.00104	-.00542	-.02322	-.00057	-.00007	.00145	.00013
#2	.00127	-.00208	.01640	-.00091	-.00862	-.04464	.00016	-.00016	.00055	.00026
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00413**	**-.04479**	**-.00103**	**-.00070**	**.00609**
Stddev	.00003	.01314	.00015	.00026	.00229
%RSD	.78209	29.329	14.944	37.292	37.609
#1	.00415	-.03550	-.00114	-.00088	.00771
#2	.00410	-.05408	-.00092	-.00052	.00447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5249.8**	**98338.**	**6646.7**
Stddev	63.4	365.	1349.0
%RSD	1.2079	.37141	20.296
#1	5294.6	98080.	7600.6
#2	5204.9	98596.	5692.8

Sample Name: 280-19390-a-2-c ms Acquired: 8/27/2011 8:12:38 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83040 TCLP 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00015**	**.00484**	**-.00129**	**-.00168**	**-.00004**	**-.00111**	**-.00943**	**-.00048**	**.00019**
Stddev	.00006	.00023	.00157	.00027	.00097	.00007	.00272	.00329	.00021	.00004
%RSD	13.399	151.38	32.411	21.250	57.632	169.84	244.97	34.905	43.461	19.193
#1	.00050	.00032	.00373	-.00148	-.00236	.00001	.00081	-.01175	-.00034	.00022
#2	.00041	-.00001	.00595	-.00110	-.00099	-.00009	-.00304	-.00710	-.00063	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**-.00473**	**.00108**	**-.13383**	**.00479**	**-.00077**	**-.00002**	**-.00085**	**.20382**	**-.00017**
Stddev	.00010	.00025	.00136	.04217	.00114	.00041	.00003	.00011	.03193	.00018
%RSD	53.867	5.3275	126.53	31.513	23.693	52.775	152.57	12.570	15.663	106.26
#1	.00011	-.00491	.00011	-.16365	.00399	-.00048	.00000	-.00092	.22640	-.00030
#2	.00025	-.00455	.00204	-.10401	.00560	-.00106	-.00004	-.00077	.18125	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00178**	**-.00083**	**.01619**	**-.00142**	**-.00467**	**-.01583**	**-.00050**	**.00005**	**.00027**	**.00022**
Stddev	.00065	.00025	.00035	.00018	.00035	.00369	.00041	.00002	.00013	.00004
%RSD	36.516	30.351	2.1425	12.711	7.5637	23.314	80.533	36.372	46.332	19.371
#1	-.00224	-.00065	.01644	-.00129	-.00442	-.01322	-.00079	.00004	.00036	.00019
#2	-.00132	-.00101	.01595	-.00155	-.00492	-.01844	-.00022	.00007	.00018	.00025
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00349**	W **-.05081**	**-.00080**	**-.00062**	**.00551**
Stddev	.00032	.01047	.00002	.00014	.00216
%RSD	9.2444	20.616	2.5929	22.118	39.103
#1	.00326	-.04340	-.00078	-.00052	.00704
#2	.00372	-.05821	-.00081	-.00072	.00399
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5166.9**	**99241.**	**7261.8**
Stddev	18.8	10802.	1624.7
%RSD	.36476	10.885	22.373
#1	5180.2	91603.	8410.6
#2	5153.6	106880.	6112.9

Sample Name: 280-19390-a-2-d msd Acquired: 8/27/2011 8:15:16 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83040 TCLP 6010

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00039	-.00063	.00488	-.00104	-.00209	-.00003	-.00201	-.01266	-.00067	.00004
Stddev	.00010	.00015	.00079	.00039	.00068	.00001	.00033	.00106	.00014	.00004
%RSD	26.410	23.852	16.180	37.763	32.470	34.330	16.526	8.3364	21.094	98.447
#1	.00032	-.00073	.00432	-.00132	-.00257	-.00003	-.00177	-.01192	-.00057	.00001
#2	.00047	-.00052	.00544	-.00076	-.00161	-.00002	-.00224	-.01341	-.00077	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	-.00458	.00154	-.14445	.00318	.00272	-.00002	-.00116	.21719	-.00036
Stddev	.00009	.00004	.00138	.01822	.00025	.00189	.00002	.00017	.01836	.00027
%RSD	39.433	.80337	89.753	12.611	7.7387	69.466	106.41	14.461	8.4549	76.151
#1	.00030	-.00460	.00251	-.15733	.00300	.00138	.00000	-.00104	.23018	-.00055
#2	.00017	-.00455	.00056	-.13157	.00335	.00405	-.00003	-.00127	.20421	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00082	-.00069	.01781	-.00052	-.00499	-.02279	-.00041	.00000	-.00002	.00029
Stddev	.00090	.00025	.00353	.00051	.00206	.00923	.00013	.0001	.00095	.00012
%RSD	110.38	36.841	19.830	98.101	41.379	40.495	30.707	140580.	3904.2	42.805
#1	-.00146	-.00051	.01532	-.00016	-.00353	-.01626	-.00050	-.00005	-.00069	.00020
#2	-.00018	-.00087	.02031	-.00088	-.00644	-.02931	-.00032	.00005	.00065	.00038
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00374	-.04817	-.00118	-.00083	.00503
Stddev	.00057	.01161	.00017	.00004	.00163
%RSD	15.196	24.108	14.537	5.1332	32.325
#1	.00334	-.05638	-.00106	-.00086	.00388
#2	.00415	-.03995	-.00130	-.00080	.00618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5253.2	94935.	7896.0
Stddev	131.1	6062.	1122.7
%RSD	2.4961	6.3859	14.218
#1	5346.0	99222.	8689.8
#2	5160.5	90648.	7102.1

Sample Name: CCVH-940568 Acquired: 8/27/2011 8:17:54 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.00051**	**.00637**	**-.00136**	**-.00182**	**-.00002**	F **-.00367**	**-.01148**	**-.00050**	**.00027**	**.00020**
Stddev	.00045	.00035	.00017	.00030	.00085	.00008	.00104	.00531	.00006	.00015	.00009
%RSD	62.794	68.392	2.7102	21.998	46.994	343.29	28.307	46.216	11.068	54.219	45.173
#1	.00103	.00026	.00649	-.00157	-.00242	.00003	-.00294	-.01524	-.00046	.00016	.00013
#2	.00040	.00076	.00625	-.00114	-.00121	-.00008	-.00441	-.00773	-.00054	.00037	.00026
Check ?	None	None	None	None	None	None	Chk Fail	None	None	None	None
Value							1.0000				
Range							-10.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00481**	F **.00116**	**-.09080**	**.00335**	**.00007**	**.00001**	**-.00111**	**.19723**	**-.00037**	**-.00130**	**-.00068**
Stddev	.00003	.00043	.03351	.00020	.00185	.00002	.00027	.02640	.00009	.00005	.00087
%RSD	.64068	36.962	36.899	6.0974	2792.5	324.31	24.592	13.386	24.972	3.7746	126.39
#1	-.00483	.00086	-.11450	.00350	-.00124	.00002	-.00130	.21590	-.00043	-.00134	-.00130
#2	-.00479	.00146	-.06711	.00321	.00137	-.00001	-.00092	.17856	-.00030	-.00127	-.00007
Check ?	None	Chk Fail	None	None	None	None	None	None	None	None	None
Value		50.000									
Range		-10.000%									

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01998**	**-.00094**	**-.00410**	**-.02711**	**-.00033**	**.00005**	F **-.00014**	**.00017**	**.00359**	F **-.02828**	**-.00092**
Stddev	.00154	.00248	.00064	.00773	.00079	.00010	.00009	.00020	.00106	.02738	.00024
%RSD	7.7206	263.14	15.571	28.522	237.01	206.93	60.886	122.43	29.544	96.815	26.080
#1	.02107	-.00270	-.00365	-.02165	.00023	.00012	-.00008	.00031	.00434	-.04764	-.00109
#2	.01889	.00081	-.00455	-.03258	-.00089	-.00002	-.00021	.00002	.00284	-.00892	-.00075
Check ?	None	None	None	None	None	None	Chk Fail	None	None	Chk Fail	None
Value							5.0000			10.000	
Range							-10.000%			-10.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00071**	**.00644**
Stddev	.00009	.00115
%RSD	12.433	17.899
#1	-.00077	.00726
#2	-.00064	.00563
Check ?	None	None
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5203.0**	**98327.**	**7458.1**
Stddev	6.4	1197.	1544.9
%RSD	.12311	1.2178	20.714
#1	5198.5	99173.	8550.5
#2	5207.6	97480.	6365.7

Sample Name: CCV-940591 Acquired: 8/27/2011 8:20:33 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00028**	F **.00056**	F **.00617**	F **-.00100**	F **-.00138**	F **-.00009**	**-.00335**	F **-.00835**	F **-.00045**	F **.00027**	F **.00012**
Stddev	.00007	.00047	.00084	.00002	.00102	.00003	.00139	.00234	.00000	.00006	.00005
%RSD	23.244	84.706	13.675	2.4218	73.333	34.078	41.398	28.084	.27305	21.956	37.269
#1	.00033	.00022	.00677	-.00101	-.00210	-.00007	-.00433	-.01001	-.00045	.00032	.00016
#2	.00023	.00089	.00558	-.00098	-.00067	-.00012	-.00237	-.00669	-.00045	.00023	.00009
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	.50000	1.0000	.50000	.50000	.50000		5.0000	.50000	.50000	.50000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%	-10.000%	-10.000%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00468**	F **.00001**	F **-.10091**	F **.00215**	F **.00030**	F **-.00002**	F **-.00109**	F **.19277**	F **-.00046**	F **-.00157**	F **-.00117**
Stddev	.00025	.00087	.03234	.00486	.00075	.00002	.00004	.01363	.00006	.00166	.00094
%RSD	5.2527	9639.0	32.048	225.84	244.81	96.630	3.3428	7.0720	13.231	105.91	79.919
#1	-.00486	-.00060	-.12378	-.00128	-.00022	-.00001	-.00111	.20241	-.00050	-.00039	-.00184
#2	-.00451	.00062	-.07804	.00558	.00083	-.00004	-.00106	.18313	-.00042	-.00275	-.00051
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	2.5000	50.000	1.0000	20.000	.50000	.50000	5.0000	.50000	1.0000	1.0000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01726**	F **.00035**	F **-.00371**	F **-.01673**	F **-.00016**	F **-.00005**	**.00107**	F **.00032**	F **.00278**	**-.04883**	F **-.00096**
Stddev	.00091	.00105	.00557	.00060	.00007	.00000	.00100	.00008	.00152	.00188	.00043
%RSD	5.2624	299.97	150.38	3.5991	41.756	6.6478	94.080	25.862	54.849	3.8422	44.386
#1	.01661	.00109	-.00765	-.01715	-.00021	-.00005	.00036	.00026	.00385	-.04750	-.00127
#2	.01790	-.00039	.00023	-.01630	-.00011	-.00005	.00178	.00037	.00170	-.05015	-.00066
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	None	Chk Fail
Value		1.0000	1.0000	5.0000	1.0000	.50000		.50000	1.0000		.50000
Range		-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%		-10.000%

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	F **-.00063**	F **.00558**
Stddev	.00008	.00113
%RSD	12.691	20.324
#1	-.00057	.00638
#2	-.00068	.00478
Check ?	Chk Fail	Chk Fail
Value	.50000	.50000
Range	-10.000%	-10.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5186.6**	**100300.**	**7286.7**
Stddev	68.6	241.	1664.5
%RSD	1.3224	.24072	22.843
#1	5235.1	100470.	8463.7
#2	5138.2	100130.	6109.7

Sample Name: CCB Acquired: 8/27/2011 8:23:09 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00117**	W **.00737**	**-.00112**	F **-.00160**	**-.00006**	**-.00011**	**-.01233**	W **-.00057**	**.00005**
Stddev	.00002	.00254	.00080	.00034	.00140	.00001	.00010	.00386	.00017	.00017
%RSD	6.7316	218.03	10.905	30.712	87.600	13.277	93.521	31.315	30.774	336.96
#1	.00028	-.00063	.00680	-.00137	-.00260	-.00005	-.00019	-.01506	-.00069	.00017
#2	.00031	.00297	.00794	-.00088	-.00061	-.00006	-.00004	-.00960	-.00044	-.00007
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass
High Limit			.00440		.00115				.00045	
Low Limit			-.00440		-.00115				-.00045	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	F **-.00467**	**.00060**	**-.11029**	W **.00412**	**-.00058**	**.00001**	**-.00098**	F **.18243**	**-.00029**
Stddev	.00015	.00007	.00097	.05532	.00021	.00137	.00002	.00025	.03513	.00020
%RSD	63.768	1.4951	160.22	50.156	5.2154	233.72	225.78	25.326	19.255	67.043
#1	.00035	-.00472	-.00008	-.14940	.00397	-.00155	-.00001	-.00116	.20727	-.00015
#2	.00013	-.00462	.00129	-.07117	.00427	.00038	.00003	-.00081	.15760	-.00043
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		.00272			.00261				.10000	
Low Limit		-.00272			-.00261				-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00078**	**-.00021**	**.01906**	**-.00060**	**-.00331**	**-.02055**	**-.00056**	**.00002**	**.00059**	**.00005**
Stddev	.00269	.00007	.00142	.00081	.00127	.00576	.00008	.00007	.00167	.00010
%RSD	346.21	33.213	7.4554	134.57	38.387	28.052	15.046	319.68	283.46	191.69
#1	.00112	-.00016	.02007	-.00118	-.00241	-.01647	-.00062	.00007	.00177	-.00002
#2	-.00268	-.00026	.01806	-.00003	-.00421	-.02463	-.00050	-.00003	-.00059	.00012
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00366**	F **-.05099**	W **-.00111**	**-.00064**	F **.00591**
Stddev	.00042	.01587	.00011	.00018	.00006
%RSD	11.608	31.129	9.5135	27.711	.96289
#1	.00336	-.06221	-.00119	-.00076	.00595
#2	.00396	-.03976	-.00104	-.00051	.00587
Check ?	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Fail
High Limit		.05000	.00111		.00476
Low Limit		-.05000	-.00111		-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5143.9**	**99613.**	**7159.2**
Stddev	177.7	720.	1777.5
%RSD	3.4552	.72271	24.828
#1	5269.6	100120.	8416.0
#2	5018.2	99104.	5902.3

Sample Name: CCVL946273 Acquired: 8/27/2011 8:25:46 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00072**	F **.00096**	F **.00583**	F **-.00101**	F **-.00125**	F **-.00004**	F **-.00165**	F **-.00699**	F **-.00059**	F **-.00005**	F **.00025**
Stddev	.00005	.00037	.00154	.00020	.00156	.00000	.00059	.00083	.00010	.00019	.00011
%RSD	6.3246	38.463	26.447	20.143	124.74	9.3593	35.866	11.884	16.611	405.75	46.155
#1	.00068	.00122	.00692	-.00115	-.00236	-.00004	-.00206	-.00758	-.00052	.00009	.00033
#2	.00075	.00070	.00474	-.00086	-.00015	-.00004	-.00123	-.00641	-.00066	-.00018	.00017
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01000	.10000	.01500	.10000	.01000	.00100	.10000	.20000	.00500	.01000	.01000
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00457**	F **.00129**	F **-.08268**	F **.00539**	F **.00098**	F **-.00002**	F **-.00096**	F **.17256**	F **-.00042**	F **.00033**	F **.00019**
Stddev	.00048	.00344	.06006	.00528	.00015	.00005	.00001	.04241	.00035	.00139	.00009
%RSD	10.566	266.75	72.639	97.881	15.097	232.11	.80395	24.578	82.664	423.90	44.875
#1	-.00491	-.00114	-.12515	.00166	.00087	-.00006	-.00097	.20254	-.00017	.00131	.00013
#2	-.00423	.00372	-.04021	.00912	.00108	.00002	-.00096	.14257	-.00066	-.00065	.00025
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01500	.10000	3.0000	.01000	.20000	.01000	.02000	1.0000	.04000	3.0000	.00900
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01566**	F **-.00066**	F **-.00536**	F **-.01817**	F **-.00063**	F **.00011**	F **.00047**	F **.00038**	F **.00437**	F **-.05853**	F **-.00116**
Stddev	.00087	.00057	.00191	.00130	.00014	.00000	.00131	.00017	.00079	.02160	.00037
%RSD	5.5693	85.891	35.597	7.1734	22.074	1.4765	274.96	45.392	18.015	36.903	31.821
#1	.01504	-.00026	-.00671	-.01725	-.00053	.00011	.00140	.00051	.00381	-.07380	-.00143
#2	.01628	-.00106	-.00401	-.01909	-.00073	.00011	-.00045	.00026	.00493	-.04325	-.00090
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value		.01000	.01500	.50000	.10000	.01000	.01500	.01000	.01500	.06000	.01000
Range		-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	F **-.00068**	F **.00318**
Stddev	.00016	.00221
%RSD	22.923	69.703
#1	-.00079	.00474
#2	-.00057	.00161
Check ?	Chk Fail	Chk Fail
Value	.02000	.01500
Range	-30.000%	-30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	5172.5	99750.	6472.8
Stddev	120.2	965.	1805.4
%RSD	2.3231	.96707	27.893
#1	5257.5	100430.	7749.5
#2	5087.6	99068.	5196.2

Sample Name: mb 280-82676/1-b Acquired: 8/27/2011 8:28:28 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82824 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00030**	W **.00460**	**-.00099**	F **-.00161**	**-.00007**	**-.00212**	**-.01168**	W **-.00053**	**.00015**
Stddev	.00002	.00071	.00191	.00029	.00110	.00003	.00072	.00007	.00005	.00022
%RSD	7.8189	237.14	41.491	29.400	68.374	48.385	34.158	.61770	8.5894	148.20
#1	.00021	-.00080	.00325	-.00120	-.00239	-.00005	-.00161	-.01163	-.00056	.00031
#2	.00019	.00020	.00594	-.00079	-.00083	-.00010	-.00263	-.01173	-.00050	-.00001
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			.00441		.00127				.00045	
Low Limit			-.00441		-.00127				-.00045	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	F **-.00441**	**-.00085**	**-.11229**	W **.00362**	**-.00130**	**-.00003**	**-.00109**	W **.19991**	**-.00005**
Stddev	.00014	.00043	.00089	.04028	.00288	.00049	.00005	.00023	.02758	.00008
%RSD	35.657	9.6718	105.02	35.872	79.442	37.604	186.52	20.673	13.798	174.03
#1	.00049	-.00471	-.00022	-.14077	.00159	-.00095	-.00006	-.00125	.21941	-.00010
#2	.00029	-.00411	-.00148	-.08381	.00565	-.00164	.00001	-.00093	.18040	.00001
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit		.00299			.00261				.09160	
Low Limit		-.00299			-.00261				-.09160	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00109**	**-.00199**	**.01692**	**-.00035**	**-.00278**	**-.01478**	**-.00009**	**.00009**	**.00042**	**.00016**
Stddev	.00237	.00252	.00046	.00149	.00135	.00547	.00065	.00015	.00020	.00003
%RSD	216.43	126.76	2.7416	429.09	48.586	37.025	705.16	160.36	48.021	18.314
#1	.00058	-.00021	.01725	-.00140	-.00373	-.01865	.00037	-.00001	.00056	.00018
#2	-.00277	-.00376	.01659	.00071	-.00182	-.01091	-.00055	.00019	.00028	.00014
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00351**	F **-.05251**	**-.00074**	**-.00060**	**.00586**
Stddev	.00032	.01273	.00013	.00025	.00038
%RSD	9.1176	24.238	17.286	41.975	6.4830
#1	.00328	-.06151	-.00065	-.00042	.00559
#2	.00374	-.04351	-.00084	-.00078	.00613
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.03542			
Low Limit		-.03542			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5140.5**	**97837.**	**7377.0**
Stddev	126.8	389.	1547.2
%RSD	2.4664	.39784	20.974
#1	5230.2	97562.	8471.0
#2	5050.8	98113.	6282.9

Sample Name: lcs 280-82676/2-b Acquired: 8/27/2011 8:31:06 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82824 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00056**	F **.00061**	F **.00707**	F **-.00111**	F **-.00194**	F **.00000**	F **-.00319**	F **-.01077**	F **-.00060**	F **.00005**
Stddev	.00025	.00042	.00140	.00008	.00062	.0000	.00033	.00137	.00022	.00006
%RSD	44.378	68.233	19.851	7.4724	32.236	.75133	10.329	12.750	37.165	138.55
#1	.00073	.00091	.00806	-.00105	-.00238	.00000	-.00343	-.01174	-.00076	.00000
#2	.00038	.00032	.00608	-.00117	-.00150	.00000	-.00296	-.00980	-.00044	.00009
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	.05750	2.1600	1.0900	1.1000	2.2600	.05600	2.2000	55.000	.11000	.55000
Low Limit	.04300	1.7200	.86000	.89000	1.8000	.04400	1.8000	44.500	.08700	.44500

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00029**	F **-.00452**	F **.00180**	F **-.10071**	F **.00325**	F **-.00087**	F **.00001**	F **-.00119**	F **.19129**	F **-.00022**
Stddev	.00002	.00018	.00180	.06623	.00124	.00222	.00003	.00008	.03316	.00013
%RSD	8.2190	3.9344	99.966	65.765	38.224	254.89	258.98	6.3776	17.333	57.301
#1	.00031	-.00440	.00053	-.14755	.00237	-.00244	.00003	-.00113	.21474	-.00031
#2	.00027	-.00465	.00308	-.05388	.00413	.00070	-.00001	-.00124	.16784	-.00013
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	.26000	.28000	1.1400	57.000	1.1400	56.500	.55000	1.1000	56.000	.55500
Low Limit	.01800	.21500	.88000	44.500	.89000	46.000	.45000	.90000	45.500	.44500

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00234**	F **-.00122**	**.01667**	F **-.00056**	F **-.00530**	F **-.01540**	F **-.00058**	F **-.00002**	F **-.00030**	F **.00032**
Stddev	.00016	.00155	.00264	.00006	.00004	.01000	.00043	.00009	.00068	.00029
%RSD	6.6971	127.96	15.853	10.170	.82183	64.951	73.790	475.44	227.77	88.657
#1	-.00245	-.00012	.01480	-.00060	-.00533	-.02247	-.00028	-.00009	-.00078	.00052
#2	-.00223	-.00231	.01853	-.00052	-.00527	-.00833	-.00088	.00005	.00018	.00012
Check ?	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	11.100	.54500		.54000	2.2000	11.500	2.2600	1.1000	1.1500	1.1000
Low Limit	9.1000	.44500		.44000	1.8000	9.4000	1.7000	.91000	.85000	.90000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **.00234**	F **-.05832**	F **-.00124**	F **-.00078**	F **.00570**
Stddev	.00002	.00987	.00002	.00039	.00005
%RSD	.88277	16.919	1.3516	49.903	.88498
#1	.00232	-.06530	-.00123	-.00105	.00573
#2	.00235	-.05134	-.00126	-.00050	.00566
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	2.1600	2.3200	.56000	.55000	.62500
Low Limit	1.7600	1.7000	.44000	.42500	.37500

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5184.9**	**96935.**	**7485.0**
Stddev	57.7	1411.	1318.8
%RSD	1.1129	1.4553	17.619
#1	5225.7	95937.	8417.6
#2	5144.1	97932.	6552.5

Sample Name: 280-19390-c-1-e Acquired: 8/27/2011 8:33:44 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82824 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**-.00006**	**.00557**	**-.00144**	**-.00155**	**-.00005**	**-.00242**	**-.01085**	**-.00059**	**.00014**
Stddev	.00024	.00010	.00165	.00033	.00081	.00003	.00009	.00171	.00005	.00005
%RSD	57.197	177.03	29.656	23.226	52.573	69.184	3.7449	15.741	8.9793	36.191
#1	.00059	.00001	.00673	-.00167	-.00212	-.00007	-.00248	-.01206	-.00055	.00011
#2	.00025	-.00012	.00440	-.00120	-.00097	-.00003	-.00235	-.00965	-.00062	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**-.00442**	**.00022**	**-.12676**	**.00481**	**-.00040**	**-.00008**	**-.00125**	**.18456**	**-.00025**
Stddev	.00006	.00007	.00024	.00628	.00182	.00050	.00002	.00014	.03850	.00010
%RSD	22.236	1.5321	112.59	4.9521	37.909	125.49	24.377	11.239	20.859	40.362
#1	.00030	-.00437	.00039	-.12232	.00352	-.00075	-.00007	-.00115	.21178	-.00033
#2	.00022	-.00446	.00004	-.13119	.00610	-.00004	-.00009	-.00135	.15734	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00167**	**-.00104**	**.01781**	**-.00073**	**-.00432**	**-.02239**	**-.00043**	**.00007**	**-.00041**	**.00010**
Stddev	.00084	.00017	.00039	.00056	.00150	.00673	.00022	.00001	.00012	.00004
%RSD	50.291	16.147	2.1735	76.314	34.590	30.043	51.150	15.811	29.459	37.069
#1	-.00227	-.00116	.01808	-.00112	-.00538	-.02714	-.00028	.00006	-.00033	.00013
#2	-.00108	-.00092	.01753	-.00033	-.00327	-.01763	-.00059	.00008	-.00050	.00008
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00405**	W **-.06780**	**-.00079**	**-.00055**	**.00640**
Stddev	.00066	.00114	.00032	.00010	.00029
%RSD	16.187	1.6867	40.347	18.188	4.5022
#1	.00451	-.06861	-.00056	-.00062	.00660
#2	.00359	-.06699	-.00102	-.00048	.00619
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5168.0**	**95901.**	**7240.7**
Stddev	93.9	2543.	1518.1
%RSD	1.8162	2.6518	20.967
#1	5234.4	94103.	8314.2
#2	5101.7	97699.	6167.2

Sample Name: 280-19390-c-1-e@5 Acquired: 8/27/2011 8:36:21 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82824 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**-.00036**	**.00582**	**-.00129**	**-.00162**	**-.00006**	**.00007**	**-.01090**	**-.00052**	**.00011**
Stddev	.00031	.00039	.00098	.00000	.00141	.00001	.00135	.00114	.00004	.00012
%RSD	75.755	108.20	16.800	.24003	86.729	17.919	1901.0	10.499	7.1541	103.68
#1	.00063	-.00064	.00513	-.00129	-.00261	-.00005	-.00088	-.01171	-.00049	.00020
#2	.00019	-.00008	.00652	-.00129	-.00063	-.00006	.00103	-.01009	-.00054	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.00450**	**-.00041**	**-.11330**	**.00404**	**.00047**	**.00001**	**-.00126**	**.18034**	**-.00011**
Stddev	.00001	.00007	.00097	.02601	.00148	.00151	.00006	.00010	.02296	.00007
%RSD	4.8407	1.5474	237.46	22.958	36.701	321.06	642.75	8.2270	12.733	65.843
#1	.00024	-.00455	-.00110	-.13170	.00299	-.00060	-.00003	-.00118	.19658	-.00006
#2	.00022	-.00445	.00028	-.09491	.00509	.00153	.00005	-.00133	.16410	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00127**	**.00043**	**.01678**	**-.00007**	**-.00275**	**-.02976**	**-.00045**	**.00002**	**-.00056**	**.00012**
Stddev	.00039	.00052	.00302	.00039	.00082	.00900	.00005	.00006	.00013	.00030
%RSD	30.558	120.64	17.980	567.44	29.821	30.229	11.832	325.47	23.329	251.89
#1	-.00099	.00080	.01465	-.00034	-.00333	-.02340	-.00048	.00006	-.00065	.00033
#2	-.00154	.00006	.01891	.00021	-.00217	-.03612	-.00041	-.00002	-.00046	-.00009
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00377**	W **-.05670**	**-.00112**	**-.00062**	**.00503**
Stddev	.00065	.02392	.00000	.00008	.00073
%RSD	17.264	42.182	.10528	12.486	14.493
#1	.00423	-.07361	-.00112	-.00057	.00555
#2	.00331	-.03979	-.00112	-.00068	.00452
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5137.5**	**96254.**	**7104.5**
Stddev	45.7	767.	1494.3
%RSD	.88887	.79656	21.033
#1	5169.7	96796.	8161.1
#2	5105.2	95712.	6047.9

Sample Name: 280-19414-c-3-b Acquired: 8/27/2011 8:38:58 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82824 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00037	.00041	.00630	-.00081	-.00186	-.00001	.00135	-.01182	-.00060	-.00002
Stddev	.00095	.00104	.00162	.00018	.00070	.00008	.00101	.00027	.00007	.00006
%RSD	257.58	251.99	25.650	22.375	37.435	553.98	74.611	2.2416	11.404	345.62
#1	-.00030	.00115	.00516	-.00093	-.00235	.00004	.00207	-.01164	-.00055	.00002
#2	.00104	-.00032	.00744	-.00068	-.00137	-.00007	.00064	-.01201	-.00065	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00032	-.00481	.00002	-.14009	.00157	-.00067	-.00002	-.00125	.18417	-.00024
Stddev	.00004	.00002	.00112	.00317	.00031	.00054	.00001	.00031	.02228	.00024
%RSD	13.349	.37026	5830.6	2.2597	19.674	80.212	26.543	24.504	12.099	98.829
#1	.00029	-.00480	.00081	-.13785	.00179	-.00106	-.00003	-.00103	.19993	-.00041
#2	.00035	-.00482	-.00077	-.14233	.00135	-.00029	-.00002	-.00147	.16841	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00186	-.00001	.02073	-.00177	-.00405	-.01804	-.00012	.00007	-.00004	.00007
Stddev	.00255	.00071	.00295	.00170	.00142	.01372	.00013	.00002	.00111	.00015
%RSD	137.21	5643.5	14.230	96.172	35.186	76.024	105.28	27.375	2663.2	198.15
#1	-.00006	-.00052	.01864	-.00297	-.00304	-.02774	-.00021	.00008	-.00083	.00018
#2	-.00367	.00049	.02281	-.00057	-.00505	-.00834	-.00003	.00005	.00074	-.00003
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00425	W -.05336	-.00078	-.00044	.00536
Stddev	.00002	.01279	.00049	.00010	.00054
%RSD	.55426	23.961	62.173	21.642	10.114
#1	.00427	-.04432	-.00044	-.00051	.00498
#2	.00424	-.06241	-.00112	-.00038	.00574
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5200.3	96419.	7467.3
Stddev	33.6	157.	1154.0
%RSD	.64618	.16296	15.454
#1	5224.1	96308.	8283.3
#2	5176.6	96530.	6651.3

Sample Name: 280-19414-c-3-bSD@5 Acquired: 8/27/2011 8:41:35 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82824 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00025	.00035	.00640	-.00136	-.00225	.00001	-.00238	-.01069	-.00061	.00008
Stddev	.00031	.00043	.00317	.00017	.00020	.00003	.00040	.00250	.00004	.00005
%RSD	123.73	121.17	49.507	12.596	9.0868	201.92	16.712	23.338	6.5624	65.412
#1	.00003	.00005	.00865	-.00148	-.00240	-.00001	-.00210	-.01246	-.00064	.00004
#2	.00047	.00066	.00416	-.00124	-.00211	.00003	-.00266	-.00893	-.00059	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	-.00480	.00018	-.12953	-.00004	.00012	-.00001	-.00117	.20894	-.00056
Stddev	.00003	.00018	.00057	.00111	.00040	.00084	.00004	.00007	.00149	.00002
%RSD	13.229	3.8007	327.79	.86059	1062.5	679.46	471.46	6.2624	.71078	2.9452
#1	.00021	-.00492	.00058	-.13032	-.00032	.00072	.00002	-.00112	.20789	-.00057
#2	.00025	-.00467	-.00023	-.12874	.00024	-.00047	-.00004	-.00122	.20999	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00005	.00001	.01799	-.00086	W -.00553	-.02171	-.00088	-.00003	.00069	.00011
Stddev	.00125	.00086	.00275	.00006	.00133	.00655	.00046	.00000	.00041	.00016
%RSD	2476.1	7892.2	15.271	7.5219	24.029	30.151	51.747	6.7260	59.636	140.25
#1	-.00083	-.00059	.01994	-.00091	-.00647	-.02634	-.00056	-.00003	.00099	.00000
#2	.00094	.00062	.01605	-.00082	-.00459	-.01708	-.00120	-.00003	.00040	.00022
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00270	W -.06120	-.00139	-.00065	.00583
Stddev	.00008	.00937	.00013	.00035	.00022
%RSD	2.8216	15.308	9.1481	54.149	3.8254
#1	.00276	-.06782	-.00148	-.00040	.00599
#2	.00265	-.05457	-.00130	-.00089	.00567
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5264.8	95049.	7767.0
Stddev	2.4	879.	887.7
%RSD	.04627	.92465	11.428
#1	5263.1	94427.	8394.7
#2	5266.6	95670.	7139.4

Sample Name: 280-19414-c-3-c ms Acquired: 8/27/2011 8:44:12 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82824 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	.00082	.00624	-.00097	-.00169	-.00009	-.00229	-.01082	-.00052	.00010
Stddev	.00020	.00084	.00030	.00070	.00126	.00001	.00170	.00226	.00002	.00001
%RSD	1123.3	102.84	4.7507	72.651	74.947	14.643	74.059	20.873	4.7201	12.680
#1	.00016	.00022	.00645	-.00147	-.00258	-.00009	-.00350	-.01242	-.00051	.00009
#2	-.00012	.00141	.00603	-.00047	-.00079	-.00008	-.00109	-.00922	-.00054	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00034	-.00468	-.00025	-.13914	.00264	-.00114	-.00001	-.00112	.18309	-.00029
Stddev	.00001	.00010	.00165	.02165	.00428	.00121	.00004	.00018	.02841	.00020
%RSD	1.7684	2.0420	656.40	15.563	162.24	105.95	552.01	16.342	15.515	70.609
#1	.00035	-.00475	-.00142	-.15445	-.00039	-.00029	-.00004	-.00099	.20317	-.00044
#2	.00034	-.00462	.00092	-.12383	.00567	-.00200	.00002	-.00125	.16300	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00073	-.00166	.01807	-.00064	W -.00573	-.01304	-.00012	.00007	-.00076	.00021
Stddev	.00157	.00129	.00243	.00012	.00168	.00292	.00003	.00006	.00001	.00005
%RSD	214.69	77.611	13.426	19.187	29.332	22.373	24.681	95.271	.80052	24.463
#1	.00038	-.00075	.01635	-.00055	-.00692	-.01510	-.00015	.00002	-.00076	.00025
#2	-.00184	-.00257	.01978	-.00073	-.00454	-.01097	-.00010	.00011	-.00075	.00018
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00353	-.04859	-.00097	-.00051	.00679
Stddev	.00008	.00637	.00041	.00011	.00184
%RSD	2.1355	13.114	41.781	21.753	27.032
#1	.00359	-.05309	-.00069	-.00043	.00550
#2	.00348	-.04408	-.00126	-.00058	.00809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5169.2	98357.	7082.4
Stddev	120.4	473.	1616.5
%RSD	2.3296	.48127	22.824
#1	5254.4	98691.	8225.4
#2	5084.1	98022.	5939.3

Sample Name: 280-19414-c-3-d msd Acquired: 8/27/2011 8:46:53 Type: Unk
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82824 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**-.00045**	**.00791**	**-.00130**	**-.00120**	**-.00004**	**-.00048**	**-.01121**	**-.00046**	**.00022**
Stddev	.00025	.00007	.00083	.00052	.00133	.00002	.00055	.00370	.00011	.00005
%RSD	51.254	15.451	10.526	39.944	111.59	43.013	114.22	33.035	24.600	21.759
#1	.00032	-.00050	.00733	-.00166	-.00214	-.00005	-.00086	-.01383	-.00038	.00025
#2	.00067	-.00040	.00850	-.00093	-.00025	-.00003	-.00009	-.00860	-.00054	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**-.00468**	**-.00010**	**-.07274**	**.00367**	**.00042**	**.00003**	**-.00106**	**.18653**	**-.00033**
Stddev	.00014	.00024	.00137	.03859	.00733	.00073	.00008	.00009	.04228	.00014
%RSD	40.605	5.0725	1325.9	53.057	199.87	176.71	269.46	8.7867	22.664	40.580
#1	.00025	-.00451	-.00108	-.10002	-.00152	.00093	-.00003	-.00099	.21642	-.00043
#2	.00045	-.00484	.00087	-.04545	.00886	-.00010	.00008	-.00112	.15664	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00112**	**-.00074**	**.01679**	**-.00110**	W **-.00540**	**-.02334**	**-.00005**	**.00006**	**.00016**	**.00015**
Stddev	.00158	.00021	.00039	.00145	.00100	.01495	.00042	.00010	.00014	.00013
%RSD	141.44	29.017	2.3313	131.08	18.442	64.079	811.18	156.72	87.508	82.856
#1	.00000	-.00059	.01707	-.00212	-.00610	-.01276	.00025	-.00001	.00006	.00006
#2	-.00224	-.00089	.01651	-.00008	-.00469	-.03391	-.00035	.00013	.00025	.00024
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00319**	**-.04937**	**-.00093**	**-.00058**	**.00361**
Stddev	.00116	.00867	.00007	.00039	.00370
%RSD	36.499	17.565	7.8128	67.713	102.54
#1	.00236	-.04324	-.00099	-.00086	.00623
#2	.00401	-.05551	-.00088	-.00030	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5225.5**	**98100.**	**6812.8**
Stddev	31.4	1001.	1852.5
%RSD	.60130	1.0199	27.191
#1	5247.7	97392.	8122.7
#2	5203.3	98807.	5502.9

Sample Name: CCVH-940568 Acquired: 8/27/2011 8:49:36 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00040**	**.00454**	**-.00077**	**-.00110**	**-.00009**	F **-.00233**	**-.00945**	**-.00054**	**-.00010**	**.00028**
Stddev	.00002	.00085	.00235	.00019	.00176	.00005	.00142	.00231	.00005	.00010	.00004
%RSD	5.0050	214.04	51.826	24.486	159.18	51.580	60.711	24.471	9.5801	97.328	14.672
#1	.00045	.00100	.00620	-.00064	-.00235	-.00006	-.00333	-.01109	-.00057	-.00017	.00031
#2	.00042	-.00021	.00287	-.00091	.00014	-.00012	-.00133	-.00782	-.00050	-.00003	.00025
Check ?	None	None	None	None	None	None	Chk Fail	None	None	None	None
Value							1.0000				
Range							-10.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00466**	F **.00051**	**-.11069**	**.00569**	**.00122**	**-.00002**	**-.00118**	**.17434**	**-.00041**	**-.00269**	**-.00039**
Stddev	.00025	.00080	.05213	.00230	.00092	.00003	.00029	.03521	.00037	.00171	.00007
%RSD	5.4366	157.18	47.102	40.386	75.266	143.41	24.707	20.198	90.030	63.743	17.688
#1	-.00448	.00108	-.14755	.00407	.00186	.00000	-.00139	.19924	-.00067	-.00148	-.00044
#2	-.00484	-.00006	-.07382	.00732	.00057	-.00005	-.00098	.14944	-.00015	-.00390	-.00034
Check ?	None	Chk Fail	None	None	None	None	None	None	None	None	None
Value		50.000									
Range		-10.000%									

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01993**	**-.00228**	**-.00489**	**-.01617**	**.00023**	**-.00002**	F **-.00017**	**.00026**	**.00291**	F **-.04803**	**-.00085**
Stddev	.00517	.00053	.00141	.00323	.00067	.00004	.00036	.00011	.00135	.02348	.00022
%RSD	25.970	23.369	28.852	19.980	285.77	203.75	217.40	42.110	46.356	48.880	25.220
#1	.02358	-.00191	-.00390	-.01389	-.00024	.00001	-.00042	.00018	.00196	-.03143	-.00101
#2	.01627	-.00266	-.00589	-.01846	.00071	-.00005	.00009	.00034	.00387	-.06463	-.00070
Check ?	None	None	None	None	None	None	Chk Fail	None	None	Chk Fail	None
Value							5.0000			10.000	
Range							-10.000%			-10.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**-.00072**	**.00431**
Stddev	.00024	.00260
%RSD	32.714	60.286
#1	-.00055	.00615
#2	-.00089	.00247
Check ?	None	None
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5273.4**	**96612.**	**6574.4**
Stddev	143.9	784.	1724.3
%RSD	2.7291	.81119	26.228
#1	5375.1	97167.	7793.7
#2	5171.6	96058.	5355.1

Sample Name: CCV-940591 Acquired: 8/27/2011 8:52:15 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00030**	F **.00118**	F **.00667**	F **-.00075**	F **-.00160**	F **.00001**	**-.00257**	F **-.00911**	F **-.00053**	F **.00022**	F **.00017**
Stddev	.00002	.00096	.00008	.00025	.00102	.00005	.00031	.00274	.00011	.00026	.00012
%RSD	6.6695	81.461	1.2722	33.317	63.705	614.34	12.228	30.044	20.271	116.95	69.209
#1	.00032	.00050	.00661	-.00093	-.00232	-.00003	-.00279	-.01105	-.00045	.00004	.00026
#2	.00029	.00186	.00673	-.00057	-.00088	.00004	-.00235	-.00718	-.00061	.00041	.00009
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	.50000	1.0000	.50000	.50000	.50000		5.0000	.50000	.50000	.50000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%	-10.000%	-10.000%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00434**	F **-.00037**	F **-.15752**	F **.00342**	F **-.00097**	F **-.00003**	F **-.00120**	F **.18430**	F **-.00014**	F **-.00041**	F **-.00155**
Stddev	.00024	.00125	.01930	.00574	.00101	.00002	.00009	.02056	.00009	.00112	.00170
%RSD	5.4964	341.76	12.254	167.79	103.94	50.163	7.3362	11.158	63.493	269.61	109.79
#1	-.00450	.00052	-.17117	-.00064	-.00026	-.00002	-.00114	.19884	-.00008	-.00121	-.00275
#2	-.00417	-.00125	-.14387	.00748	-.00168	-.00004	-.00126	.16975	-.00020	.00038	-.00035
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	2.5000	50.000	1.0000	20.000	.50000	.50000	5.0000	.50000	1.0000	1.0000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01589**	F **-.00158**	F **-.00582**	F **-.02136**	F **-.00055**	F **.00004**	**.00024**	F **.00010**	F **.00230**	**-.05489**	F **-.00109**
Stddev	.00047	.00182	.00099	.00381	.00048	.00008	.00148	.00028	.00020	.00789	.00022
%RSD	2.9607	115.05	16.984	17.837	88.213	204.93	610.58	264.85	8.6817	14.379	19.832
#1	.01556	-.00286	-.00652	-.01866	-.00089	.00010	-.00080	-.00009	.00244	-.04931	-.00124
#2	.01623	-.00029	-.00512	-.02405	-.00021	-.00002	.00129	.00030	.00216	-.06047	-.00094
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	None	Chk Fail
Value		1.0000	1.0000	5.0000	1.0000	.50000		.50000	1.0000		.50000
Range		-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%		-10.000%

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	F **-.00042**	F **.00558**
Stddev	.00028	.00111
%RSD	67.281	19.917
#1	-.00062	.00479
#2	-.00022	.00636
Check ?	Chk Fail	Chk Fail
Value	.50000	.50000
Range	-10.000%	-10.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5156.0**	**96991.**	**7111.7**
Stddev	67.5	1246.	1476.2
%RSD	1.3097	1.2841	20.758
#1	5108.2	96111.	8155.6
#2	5203.7	97872.	6067.8

Sample Name: CCB Acquired: 8/27/2011 8:54:53 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.00043**	W **.00635**	**-.00064**	F **-.00167**	**.00000**	**-.00136**	**-.00970**	W **-.00058**	**.00016**
Stddev	.00002	.00059	.00115	.00026	.00101	.0000	.00304	.00184	.00017	.00009
%RSD	3.4422	136.79	18.171	41.124	60.730	1504.3	223.46	18.983	29.405	52.546
#1	.00061	.00085	.00716	-.00082	-.00238	-.00003	-.00350	-.01100	-.00070	.00010
#2	.00064	.00001	.00553	-.00045	-.00095	.00003	.00079	-.00840	-.00046	.00023
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass
High Limit			.00440		.00115				.00045	
Low Limit			-.00440		-.00115				-.00045	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	F **-.00472**	**-.00030**	**-.11445**	W **.00396**	**-.00057**	**-.00005**	**-.00120**	F **.18219**	**-.00032**
Stddev	.00008	.00005	.00272	.06770	.00129	.00032	.00004	.00013	.03972	.00001
%RSD	29.616	1.1566	901.42	59.152	32.636	57.041	85.356	10.523	21.803	1.8130
#1	.00021	-.00476	.00162	-.16232	.00304	-.00034	-.00008	-.00111	.21028	-.00033
#2	.00032	-.00468	-.00222	-.06658	.00487	-.00080	-.00002	-.00129	.15410	-.00032
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		.00272			.00261				.10000	
Low Limit		-.00272			-.00261				-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00084**	**-.00118**	**.01669**	**-.00204**	W **-.00611**	**-.02037**	**.00000**	**-.00005**	**-.00054**	**.00000**
Stddev	.00155	.00038	.00189	.00008	.00074	.00140	.0006	.00016	.00001	.0001
%RSD	183.55	32.087	11.321	4.0557	12.026	6.8742	11928.	308.39	2.7135	25892.
#1	.00025	-.00144	.01803	-.00198	-.00559	-.01938	-.00042	.00006	-.00053	.00009
#2	-.00194	-.00091	.01536	-.00210	-.00663	-.02136	.00041	-.00016	-.00055	-.00009
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00486					
Low Limit					-.00486					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00327**	F **-.05558**	W **-.00115**	**-.00053**	F **.00625**
Stddev	.00038	.02001	.00058	.00004	.00003
%RSD	11.731	36.001	50.250	6.7366	.44269
#1	.00300	-.04143	-.00074	-.00051	.00623
#2	.00354	-.06973	-.00156	-.00056	.00627
Check ?	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Fail
High Limit		.05000	.00111		.00476
Low Limit		-.05000	-.00111		-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5092.1**	**98108.**	**7019.5**
Stddev	6.2	721.	1571.2
%RSD	.12194	.73495	22.384
#1	5096.5	98618.	8130.5
#2	5087.8	97598.	5908.5

Sample Name: CCVL946273 Acquired: 8/27/2011 8:57:28 Type: QC
Method: 6500_026(v9) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00006**	F **.00073**	F **.00554**	F **-.00133**	F **-.00134**	F **.00003**	F **-.00084**	F **-.01342**	F **-.00052**	F **.00034**	F **.00019**
Stddev	.00035	.00031	.00057	.00008	.00114	.00004	.00132	.00160	.00013	.00001	.00006
%RSD	586.29	43.156	10.242	6.1784	84.668	139.92	157.92	11.903	25.003	3.5228	29.722
#1	-.00031	.00051	.00594	-.00127	-.00214	.00000	-.00177	-.01455	-.00043	.00035	.00023
#2	.00019	.00095	.00514	-.00139	-.00054	.00006	.00010	-.01229	-.00061	.00033	.00015
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01000	.10000	.01500	.10000	.01000	.00100	.10000	.20000	.00500	.01000	.01000
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00439**	F **-.00050**	F **-.11731**	F **.00286**	F **-.00084**	F **-.00003**	F **-.00081**	F **.17435**	F **-.00027**	F **.00013**	F **-.00089**
Stddev	.00011	.00034	.04225	.00095	.00125	.00002	.00002	.02913	.00015	.00046	.00015
%RSD	2.3947	68.721	36.015	33.189	148.60	58.673	2.0833	16.710	56.730	359.20	16.439
#1	-.00446	-.00026	-.14718	.00219	-.00172	-.00002	-.00083	.19495	-.00016	-.00020	-.00078
#2	-.00431	-.00075	-.08743	.00353	.00004	-.00005	-.00080	.15375	-.00038	.00045	-.00099
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01500	.10000	3.0000	.01000	.20000	.01000	.02000	1.0000	.04000	3.0000	.00900
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01795**	F **-.00238**	F **-.00444**	F **-.01517**	F **.00003**	F **.00005**	F **.00076**	F **.00022**	F **.00382**	F **-.06058**	F **-.00084**
Stddev	.00370	.00021	.00237	.00612	.00091	.00005	.00018	.00003	.00047	.00815	.00038
%RSD	20.628	9.0119	53.323	40.319	2652.9	98.616	23.343	12.222	12.414	13.461	45.859
#1	.01533	-.00253	-.00611	-.01950	-.00061	.00009	.00063	.00020	.00416	-.06635	-.00111
#2	.02057	-.00223	-.00277	-.01085	.00067	.00002	.00088	.00024	.00349	-.05482	-.00056
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value		.01000	.01500	.50000	.10000	.01000	.01500	.01000	.01500	.06000	.01000
Range		-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	F **-.00054**	F **.00436**
Stddev	.00027	.00055
%RSD	50.812	12.667
#1	-.00034	.00397
#2	-.00073	.00475
Check ?	Chk Fail	Chk Fail
Value	.02000	.01500
Range	-30.000%	-30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5176.0**	**96446.**	**7039.8**
Stddev	11.2	1565.	1570.7
%RSD	.21615	1.6226	22.312
#1	5168.1	97553.	8150.5
#2	5183.9	95340.	5929.2

Sample Name: ICDVL-946273 Acquired: 8/26/2011 13:55:29 Type: QC
Method: 6500_026(v8) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01039**	**.10466**	W **.01895**	**.10065**	**.01011**	**.00099**	W **.12384**	**.21325**	**.00487**	**.01061**	**.01003**
Stddev	.00019	.00111	.00539	.00011	.00017	.00003	.00020	.00100	.00005	.00000	.00007
%RSD	1.7837	1.0619	28.463	.10907	1.6653	2.6724	.16332	.46844	.98372	.01600	.67476
#1	.01026	.10387	.02276	.10057	.01023	.00097	.12398	.21396	.00490	.01061	.01008
#2	.01052	.10544	.01513	.10073	.00999	.00101	.12369	.21255	.00483	.01061	.00998
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500				.10000				
Range			20.000%				20.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01517**	**.10722**	**3.0076**	W **.01293**	**.21152**	**.01079**	**.01939**	**1.0972**	**.04215**	**2.9159**	**.00930**
Stddev	.00029	.00196	.0261	.00216	.00395	.00007	.00029	.0007	.00009	.0086	.00049
%RSD	1.9427	1.8254	.86916	16.673	1.8689	.66950	1.5003	.06243	.22501	.29510	5.2968
#1	.01497	.10860	2.9891	.01445	.21432	.01084	.01918	1.0967	.04221	2.9220	.00965
#2	.01538	.10583	3.0261	.01140	.20873	.01074	.01959	1.0976	.04208	2.9098	.00895
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	F **.01354**	**.01470**	**.47657**	**.10191**	**.00998**	**.01442**	**.00944**	**.01711**	F **.03225**	**.00978**
Stddev	.00125	.00241	.00132	.02185	.00038	.00001	.00045	.00027	.00014	.01811	.00029
%RSD	348.63	17.789	8.9620	4.5839	.37401	.10458	3.1013	2.9106	.80855	56.142	3.0078
#1	-.00052	.01184	.01377	.49202	.10164	.00997	.01473	.00963	.01701	.04505	.00999
#2	.00124	.01525	.01563	.46113	.10218	.00999	.01410	.00924	.01721	.01945	.00957
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value		.01000								.06000	
Range		30.000%								-30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	F **.02723**	W **.01934**
Stddev	.00022	.00252
%RSD	.81398	13.030
#1	.02707	.01755
#2	.02738	.02112
Check ?	Chk Fail	Chk Warn
Value	.02000	.01500
Range	30.000%	20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3644.0**	**62548.**	**4962.3**
Stddev	2.9	143.	2.3
%RSD	.07887	.22791	.04719
#1	3646.0	62447.	4963.9
#2	3642.0	62649.	4960.6

Sample Name: CCV-940591 Acquired: 8/26/2011 14:00:38 Type: QC
Method: 6500_026(v8) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50125**	**.51374**	**.99312**	**.49442**	**.49419**	**.49208**	**.00162**	**4.8965**	**.50217**	**.49735**	**.49509**	**.50073**	**2.4700**
Stddev	.00167	.00039	.00523	.00068	.00113	.00053	.00026	.0022	.00012	.00067	.00060	.00101	.0073
%RSD	.33397	.07601	.52652	.13833	.22856	.10802	16.187	.04428	.02368	.13520	.12133	.20073	.29759
#1	.50243	.51402	.98942	.49394	.49498	.49246	.00143	4.8950	.50225	.49782	.49551	.50144	2.4752
#2	.50007	.51347	.99681	.49491	.49339	.49170	.00180	4.8981	.50208	.49687	.49466	.50002	2.4648
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.349**	**.98087**	**19.842**	**.49660**	**.49734**	**5.1835**	**.49809**	**.97662**	**1.0031**	**-.00268**	**.98708**	**.98891**	**4.7306**
Stddev	.069	.00880	.007	.00027	.00007	.0187	.00019	.00318	.0022	.00502	.00288	.00033	.0200
%RSD	.14207	.89735	.03365	.05426	.01340	.35980	.03778	.32538	.21611	186.87	.29187	.03332	.42300
#1	48.398	.98710	19.837	.49641	.49739	5.1966	.49796	.97887	1.0015	-.00623	.98911	.98914	4.7164
#2	48.301	.97465	19.846	.49679	.49730	5.1703	.49822	.97438	1.0046	.00086	.98504	.98868	4.7447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99730**	**.49466**	**-.00097**	**.49042**	**1.0039**	**-.00045**	**.49677**	**.49521**	**.49848**
Stddev	.00018	.00109	.00061	.00020	.0022	.02381	.00013	.00039	.00429
%RSD	.01766	.22045	62.493	.04172	.22327	5245.1	.02620	.07857	.86021
#1	.99742	.49543	-.00054	.49057	1.0023	-.01729	.49668	.49493	.50152
#2	.99717	.49389	-.00140	.49028	1.0055	.01638	.49687	.49548	.49545
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3558.3**	**60331.**	**4947.8**
Stddev	5.9	286.	.0
%RSD	.16476	.47404	.00050
#1	3562.4	60533.	4947.8
#2	3554.1	60128.	4947.8

Sample Name: ICB Acquired: 8/26/2011 14:03:00 Type: QC
Method: 6500_026(v8) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00206**	**.00314**	**.00131**	W **.00074**	**.00012**	**.00121**	**.00646**	**-.00044**	**.00030**	**-.00007**
Stddev	.00052	.00001	.00119	.00023	.00032	.00009	.00008	.00499	.00020	.00007	.00001
%RSD	123.02	.54034	37.902	17.636	43.060	72.034	6.7926	77.204	45.405	24.436	11.510
#1	.00078	.00207	.00398	.00115	.00096	.00006	.00127	.00293	-.00059	.00025	-.00006
#2	.00005	.00205	.00230	.00148	.00051	.00018	.00115	.00999	-.00030	.00035	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00058						
Low Limit					-.00058						

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00310**	**.07890**	**.00179**	**.00280**	W **.00032**	**.00204**	**.07171**	**.00041**	**-.00228**	**-.00133**
Stddev	.00007	.00159	.01805	.00173	.00086	.00010	.00080	.00807	.00002	.00152	.00220
%RSD	57.524	51.350	22.880	96.202	30.627	30.533	39.334	11.259	4.0203	66.414	165.57
#1	.00007	.00197	.09167	.00302	.00220	.00039	.00147	.06600	.00042	-.00335	-.00288
#2	.00017	.00422	.06614	.00057	.00341	.00025	.00261	.07742	.00039	-.00121	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.00025					
Low Limit						-.00025					

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00383**	F **.01096**	**.00422**	**.01010**	**.00013**	**.00002**	**.00135**	**-.00014**	**.00171**	**-.01627**	**-.00038**
Stddev	.00006	.00397	.00280	.00396	.00037	.00016	.00193	.00031	.00012	.04319	.00064
%RSD	1.6638	36.190	66.358	39.193	279.61	704.94	143.39	225.37	7.1719	265.45	169.62
#1	.00388	.00815	.00224	.00730	.00039	.00013	.00271	-.00036	.00180	-.04681	.00008
#2	.00379	.01376	.00619	.01290	-.00013	-.00009	-.00002	.00008	.00162	.01427	-.00083
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00172**	**.00203**
Stddev	.00001	.00056
%RSD	.77427	27.746
#1	.00171	.00243
#2	.00173	.00163
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3634.3**	**61781.**	**4912.5**
Stddev	8.1	128.	20.8
%RSD	.22274	.20752	.42402
#1	3640.0	61872.	4927.2
#2	3628.6	61690.	4897.8

Sample Name: ICVL-946273 Acquired: 8/26/2011 14:08:16 Type: QC
Method: 6500_026(v8) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01007**	**.10065**	F **.01876**	**.10244**	**.01010**	**.00091**	F **.12180**	**.19519**	**.00498**	**.01063**	**.01016**	**.01521**
Stddev	.00004	.00000	.00213	.00077	.00004	.00002	.00005	.00646	.00014	.00011	.00011	.00001
%RSD	.35448	.00267	11.352	.75021	.39174	2.4787	.04318	3.3106	2.7628	1.0314	1.0751	.04664
#1	.01005	.10065	.02027	.10299	.01007	.00089	.12184	.19062	.00507	.01071	.01024	.01521
#2	.01010	.10065	.01726	.10190	.01013	.00092	.12176	.19976	.00488	.01055	.01008	.01522
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500				.10000					
Range			20.000%				20.000%					

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10013**	**2.9546**	**.00930**	**.21008**	**.01033**	**.01929**	**1.0858**	**.04137**	**2.9055**	**.00909**	**-.00136**	**.01136**
Stddev	.00119	.0407	.00268	.00078	.00001	.00008	.0197	.00031	.0138	.00036	.00581	.00074
%RSD	1.1921	1.3782	28.831	.37069	.14321	.43128	1.8112	.75404	.47579	3.9073	428.60	6.4955
#1	.10098	2.9834	.00740	.20953	.01032	.01923	1.0997	.04115	2.8958	.00934	-.00546	.01084
#2	.09929	2.9258	.01119	.21063	.01034	.01935	1.0719	.04159	2.9153	.00884	.00275	.01188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01489**	**.46862**	**.10244**	**.01014**	**.01222**	**.00958**	**.01584**	F **.09574**	**.00998**	**.02157**	**.01768**
Stddev	.00334	.01995	.00006	.00018	.00354	.00056	.00296	.02906	.00078	.00001	.00026
%RSD	22.424	4.2570	.06146	1.7774	28.939	5.8979	18.716	30.349	7.7900	.04867	1.4664
#1	.01253	.48272	.10240	.01001	.00972	.00998	.01794	.11629	.01053	.02156	.01750
#2	.01725	.45451	.10249	.01026	.01472	.00918	.01374	.07519	.00943	.02158	.01787
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value								.06000			
Range								20.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3630.9**	**62019.**	**4988.6**
Stddev	13.1	67.	20.8
%RSD	.36028	.10762	.41634
#1	3640.1	61972.	5003.3
#2	3621.6	62066.	4973.9

Sample Name: ICB Acquired: 8/26/2011 14:13:38 Type: QC
Method: 6500_026(v8) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00038**	**.00205**	**.00076**	**.00005**	**-.00001**	**-.00187**	**-.00064**	**-.00029**	**.00014**	**-.00002**
Stddev	.00043	.00113	.00027	.00052	.00035	.00005	.00111	.00020	.00025	.00024	.00009
%RSD	171.48	298.18	12.967	68.262	758.57	343.01	59.134	31.309	86.181	167.69	498.20
#1	.00055	.00118	.00224	.00039	.00030	.00002	-.00109	-.00078	-.00011	-.00003	-.00009
#2	-.00005	-.00042	.00186	.00112	-.00020	-.00005	-.00265	-.00050	-.00046	.00031	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.00296**	**.07470**	**.00208**	**.00321**	**.00024**	**-.00067**	**.02746**	**.00033**	**.00036**	**-.00090**
Stddev	.00057	.00017	.06868	.00213	.00421	.00005	.00028	.00400	.00001	.00235	.00081
%RSD	287.98	5.6276	91.949	102.47	131.07	21.813	42.458	14.558	4.0332	646.35	89.392
#1	.00021	.00307	.02613	.00057	.00619	.00020	-.00087	.03029	.00034	.00202	-.00148
#2	-.00061	.00284	.12326	.00359	.00024	.00028	-.00047	.02463	.00032	-.00130	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**-.00066**	**-.00257**	**.00035**	**-.00009**	**-.00014**	**-.00044**	**-.00049**	**.00094**	**.01050**	**.00011**
Stddev	.00302	.00009	.00097	.00295	.00023	.00005	.00061	.00027	.00092	.02184	.00056
%RSD	282.08	13.826	37.554	852.14	250.76	34.036	140.43	55.996	98.109	207.90	511.65
#1	.00321	-.00059	-.00325	.00243	.00007	-.00017	-.00087	-.00030	.00159	.02594	-.00029
#2	-.00107	-.00072	-.00189	-.00174	-.00025	-.00011	.00000	-.00068	.00029	-.00494	.00050
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00192**	W **.00329**
Stddev	.00018	.00097
%RSD	9.4197	29.607
#1	.00205	.00260
#2	.00179	.00397
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3602.0**	**61599.**	**4915.3**
Stddev	1.2	747.	12.9
%RSD	.03293	1.2120	.26173
#1	3602.8	61071.	4906.2
#2	3601.1	62127.	4924.4

Sample Name: CRI-946272 Acquired: 8/26/2011 14:19:07 Type: QC
Method: 6500_026(v8) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01015**	**.10751**	W **.01272**	**.10214**	**.00565**	**.00100**	F **.15283**	**.20287**	**.00498**	**.00536**	**.01022**
Stddev	.00006	.00103	.00295	.00001	.00001	.00000	.00359	.00218	.00026	.00003	.00014
%RSD	.62979	.95872	23.196	.01256	.26347	.13965	2.3484	1.0739	5.1311	.54380	1.4155
#1	.01010	.10678	.01481	.10213	.00564	.00100	.15029	.20441	.00480	.00538	.01012
#2	.01019	.10824	.01063	.10215	.00566	.00100	.15536	.20133	.00517	.00534	.01033
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01000				.10000				
Range			20.000%				50.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01050**	**.03085**	**1.0410**	W **.01301**	**.21119**	**.00324**	**.00978**	**1.0808**	**.01088**	**.97713**	W **.00151**
Stddev	.00066	.00140	.0427	.00323	.00070	.00004	.00006	.0013	.00009	.00006	.00217
%RSD	6.2666	4.5543	4.0976	24.814	.32951	1.1070	.60843	.12270	.82111	.00618	143.86
#1	.01003	.02985	1.0711	.01073	.21168	.00321	.00974	1.0818	.01082	.97708	.00305
#2	.01096	.03184	1.0108	.01529	.21070	.00326	.00982	1.0799	.01095	.97717	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
Value				.01000							.00300
Range				20.000%							-20.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08838**	**.01188**	**.00849**	**.46985**	**.02195**	**.00514**	W **.00709**	**.01016**	W **.01259**	**.07012**	**.01012**
Stddev	.00876	.00241	.00039	.00834	.00005	.00009	.00037	.00015	.00060	.01178	.00010
%RSD	9.9093	20.274	4.6027	1.7756	.20791	1.6679	5.2869	1.4795	4.7305	16.797	.95407
#1	.08219	.01018	.00821	.46395	.02192	.00508	.00682	.01026	.01302	.06179	.01019
#2	.09457	.01358	.00876	.47575	.02198	.00520	.00735	.01005	.01217	.07845	.01005
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass
Value							.01000		.01000		
Range							-20.000%		20.000%		

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	W **.01234**	W **.01410**
Stddev	.00013	.00018
%RSD	1.0779	1.3104
#1	.01244	.01397
#2	.01225	.01423
Check ?	Chk Warn	Chk Warn
Value	.01000	.01000
Range	20.000%	20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3632.2**	**61628.**	**4942.9**
Stddev	3.5	32.	15.8
%RSD	.09529	.05137	.31953
#1	3634.6	61606.	4954.1
#2	3629.7	61651.	4931.7

Sample Name: CRI-946274 Acquired: 8/26/2011 14:23:55 Type: QC
Method: 6500_026(v8) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02134**	**.21368**	**.02166**	**.20659**	**.01078**	**.00197**	**.00035**	**.40146**	**.01044**	**.01050**	**.02070**	**.02131**	**.06453**	**2.0215**
Stddev	.00016	.00108	.00450	.00046	.00002	.00006	.00240	.00145	.00006	.00020	.00022	.00016	.00196	.0382
%RSD	.75117	.50488	20.784	.22093	.22995	3.1448	693.46	.36143	.61259	1.9072	1.0621	.74191	3.0451	1.8905
#1	.02145	.21292	.02485	.20627	.01076	.00193	-.00135	.40043	.01040	.01036	.02055	.02143	.06314	1.9945
#2	.02122	.21445	.01848	.20691	.01080	.00202	.00205	.40249	.01049	.01064	.02086	.02120	.06592	2.0486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02039**	**.42224**	**.00632**	**.01953**	**2.1216**	**.02134**	**1.9652**	**.00578**	**.00371**	**.02106**	**.01906**	**.93095**	**.04147**	**.01035**
Stddev	.00127	.00173	.00002	.00016	.0064	.00008	.0080	.00157	.00109	.00141	.00106	.01979	.00068	.00024
%RSD	6.2066	.41024	.38416	.82560	.30295	.38156	.40952	27.236	29.255	6.6806	5.5686	2.1255	1.6481	2.2876
#1	.01950	.42347	.00630	.01941	2.1170	.02128	1.9595	.00467	.00448	.02206	.01981	.91695	.04099	.01018
#2	.02129	.42102	.00633	.01964	2.1261	.02140	1.9709	.00689	.00295	.02007	.01831	.94494	.04196	.01051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01817**	**.01984**	**.02193**	**.13858**	**.02047**	**.02056**	**.02263**
Stddev	.00074	.00008	.00030	.03958	.00039	.00006	.00177
%RSD	4.0644	.42709	1.3887	28.561	1.9233	.31010	7.8259
#1	.01869	.01978	.02172	.11059	.02075	.02060	.02138
#2	.01765	.01990	.02215	.16656	.02019	.02051	.02388
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3587.6**	**61588.**	**4925.6**
Stddev	4.0	129.	2.2
%RSD	.11153	.20970	.04480
#1	3584.8	61679.	4924.0
#2	3590.4	61496.	4927.1

Sample Name: ICSA-927290 Acquired: 8/26/2011 14:28:10 Type: QC
Method: 6500_026(v8) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**500.84**	**-.00269**	**-.00121**	**.00038**	**-.00029**	**-.01167**	**456.05**	F **-.00132**	**.00014**	F **.00145**
Stddev	.00022	.08	.00404	.00072	.00026	.00003	.00202	1.42	.00033	.00004	.00018
%RSD	169.65	.01652	150.19	59.396	68.818	11.948	17.274	.31230	25.186	31.388	12.532
#1	-.00003	500.78	-.00555	-.00171	.00057	-.00031	-.01310	455.04	-.00108	.00017	.00132
#2	.00029	500.89	.00017	-.00070	.00020	-.00027	-.01025	457.06	-.00155	.00011	.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Fail
High Limit									.00090		.00123
Low Limit									-.00090		-.00132

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00416**	**187.19**	**-.04239**	**-.00125**	**510.20**	F **.00219**	**-.00282**	W **.12785**	**.00092**	**.00057**	**.00037**
Stddev	.00024	.24	.03323	.00042	4.59	.00001	.00009	.02589	.00014	.00546	.00315
%RSD	5.7285	.12956	78.393	33.390	.90005	.42770	3.1616	20.254	15.436	959.14	854.48
#1	.00433	187.36	-.01889	-.00096	513.45	.00220	-.00276	.14616	.00082	.00443	.00259
#2	.00399	187.02	-.06589	-.00155	506.95	.00218	-.00288	.10954	.00102	-.00329	-.00186
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	.00272					.00051		.09160			
Low Limit	-.00272					-.00051		-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.09075**	**.00037**	**-.00446**	**.01315**	**-.00216**	F **.00199**	**.00348**	F **-.00289**	**.00116**	**.17691**	**.00034**
Stddev	.00255	.00136	.00641	.01308	.00021	.00007	.00137	.00014	.00047	.02483	.00030
%RSD	2.8095	366.45	143.51	99.480	9.6822	3.7063	39.297	4.8158	40.443	14.034	88.405
#1	-.09255	.00134	.00007	.00390	-.00201	.00194	.00251	-.00279	.00083	.19446	.00055
#2	-.08894	-.00059	-.00900	.02239	-.00230	.00205	.00444	-.00299	.00150	.15935	.00013
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass
High Limit						.00060		.00119			
Low Limit						-.00060		-.00119			

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	F **.00909**	**.00098**
Stddev	.00069	.00098
%RSD	7.6242	100.25
#1	.00860	.00167
#2	.00958	.00028
Check ?	Chk Fail	Chk Pass
High Limit	.00906	
Low Limit	-.00906	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3234.1**	**52813.**	**4857.0**
Stddev	22.2	198.	23.0
%RSD	.68777	.37473	.47356
#1	3249.8	52673.	4840.7
#2	3218.3	52953.	4873.2

Sample Name: ICSAB-939413 Acquired: 8/26/2011 14:31:35 Type: QC
Method: 6500_026(v8) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0956**	**497.73**	**2.0145**	**1.9313**	**.49040**	**.47630**	**1.0811**	**455.06**	**1.0308**	**.46655**	**.48754**	**.53507**	**185.94**	**50.508**
Stddev	.0004	.59	.0110	.0010	.00108	.00029	.0011	3.32	.0015	.00085	.00095	.00026	.36	.003
%RSD	.03887	.11833	.54340	.05159	.21975	.06148	.10255	.72961	.14619	.18241	.19558	.04860	.19244	.00535
#1	1.0953	498.15	2.0223	1.9306	.49116	.47650	1.0819	457.40	1.0319	.46716	.48822	.53489	185.69	50.510
#2	1.0959	497.31	2.0068	1.9320	.48964	.47609	1.0803	452.71	1.0298	.46595	.48687	.53526	186.19	50.506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0182**	**499.83**	**.50410**	**.97549**	**52.291**	**.92907**	**1.9302**	**.95106**	**.88912**	**1.0031**	**4.8415**	**9.4304**	**9.2017**	**.98689**
Stddev	.0013	2.61	.00022	.00257	.121	.00029	.0047	.00201	.00282	.0027	.0127	.0193	.0162	.00038
%RSD	.12755	.52312	.04284	.26343	.23165	.03084	.24388	.21087	.31707	.27215	.26236	.20428	.17573	.03846
#1	1.0191	501.68	.50425	.97730	52.205	.92927	1.9269	.95248	.89112	1.0051	4.8504	9.4168	9.2131	.98716
#2	1.0172	497.98	.50394	.97367	52.377	.92887	1.9335	.94964	.88713	1.0012	4.8325	9.4440	9.1902	.98662
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0247**	**.98364**	**8.7026**	**.14344**	**.50776**	**.97525**	**.97366**
Stddev	.0011	.00065	.0079	.00928	.00033	.00079	.00155
%RSD	.05283	.06631	.09108	6.4702	.06455	.08076	.15955
#1	2.0254	.98411	8.7082	.15000	.50799	.97580	.97476
#2	2.0239	.98318	8.6970	.13688	.50752	.97469	.97256
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3199.0**	**52589.**	**4859.6**
Stddev	.9	58.	11.5
%RSD	.02873	.11106	.23765
#1	3198.4	52547.	4851.5
#2	3199.7	52630.	4867.8

Sample Name: LRA-881405 Acquired: 8/26/2011 14:34:49 Type: QC
Method: 6500_026(v8) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0560**	**-.11527**	**9.9490**	**9.7835**	**12.102**	**.00183**	**.00579**	**-.01609**	**2.0227**	**4.9324**	**9.8996**	**10.524**	**499.09**
Stddev	.0010	.01386	.0177	.0026	.065	.00010	.00157	.00301	.0015	.0039	.0117	.007	1.48
%RSD	.05101	12.021	.17787	.02640	.53917	5.5336	27.158	18.699	.07643	.07823	.11799	.06481	.29712
#1	2.0552	-.10547	9.9616	9.7853	12.149	.00190	.00690	-.01396	2.0238	4.9351	9.9078	10.519	498.04
#2	2.0567	-.12506	9.9365	9.7817	12.056	.00176	.00468	-.01822	2.0216	4.9296	9.8913	10.529	500.14
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.14031**	**.00362**	**-.15151**	**9.9791**	**4.9754**	**.04486**	**9.9409**	**.00144**	**10.406**	**-.05919**	**.04595**	**4.9766**	**46.397**
Stddev	.02362	.00215	.00073	.0086	.0101	.00760	.0095	.00012	.004	.00028	.00346	.0008	.325
%RSD	16.831	59.379	.48216	.08596	.20280	16.942	.09515	8.1747	.04215	.48144	7.5387	.01650	.70093
#1	-.12361	.00210	-.15202	9.9730	4.9825	.05023	9.9476	.00135	10.409	-.05899	.04350	4.9760	46.167
#2	-.15701	.00515	-.15099	9.9851	4.9683	.03948	9.9342	.00152	10.403	-.05939	.04840	4.9772	46.627
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01380**	**10.001**	**-.02127**	**9.6904**	**5.0466**	**.54336**	**10.030**	**9.6994**	**-.00443**
Stddev	.00108	.078	.00240	.0042	.0007	.05179	.009	.0019	.00007
%RSD	7.8211	.77764	11.271	.04357	.01403	9.5321	.08481	.01940	1.5344
#1	-.01304	10.056	-.01957	9.6874	5.0461	.57998	10.024	9.6981	-.00447
#2	-.01457	9.9456	-.02296	9.6934	5.0471	.50673	10.036	9.7007	-.00438
Check ?	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3547.8**	**60052.**	**4909.0**
Stddev	7.0	14.	20.7
%RSD	.19657	.02334	.42235
#1	3542.9	60062.	4923.6
#2	3552.7	60042.	4894.3

ICP Data Review Checklist

TALS BATCH NUMBER: 83441-83447		Earliest due date: 8/29/11
Run Date: 8/26/11	Analyst: JKH FOR LMT	Instrument: 26
QC programs/Methods Run: 200.7 6010B 6010C		

Review Items	Yes	No	N/A	2nd Level
A. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < 1/2 RL or CRDL (CLP) or < 2.2x MDL 200.7 ?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP)?	✓			✓
6. Post digest spike analyzed if required (CLP, DOD & AFCEE only)? NCM Whether needed for DODV3, AFCEE 4.0, 6010c?	✓			✓
B. Calibration/Instrument Run QC				
1. ICV/CCV analyzed at appropriate frequency and within control limits ? (**6010B**: CLP = 90 - 110%; **200.7**: ICV = 95 - 105%, CCV 90-110%) If not in control, was the ICV or CCV reanalyzed twice to show return to control as per NELAP?	✓			✓
2. ICB/CCB analyzed at appropriate frequency and < RL or < CRDL (CLP) or < 2X MDL (DOD V3,AFCEE 4.0)? Was it less than the MDLV (6010C)	✓			✓
3. High Standard (HIGH) reanalyzed before samples and recovered within QC limits? (+-5%)	✓			✓
4. RL STD run and recovered within QC limits ? (± 50% for non-CLP, ± 20% for DoD V3 / AFCEE 4.0 / USACE)	✓			✓
5. Was the LLICV/LLCCV analyzed at appropriate frequency for 6010C and within control (+-30 % or +-20%)	✓			✓
6. ICSA/ICSAB run at required frequency and within SOP limits? (ICSA < 2X MDL AFCEE 4.0, DOD V3 or <RL std work or <MDLV 6010C))	✓			✓
C. Sample Results				
1. For 6010B, were samples with concentrations > the linear range for any parameter diluted and reanalyzed? For 200.7, were samples with concentrations within 90% of the linear range diluted and reanalyzed?	✓			✓
2. Are all reported results bracketed by in control QC?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Calculations checked for errors?	✓			✓
3. Transcriptions checked for errors? (Example: Are dilution factors that are entered into the sequence log correct?)	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date/time of analysis verified as correct?	✓			✓
6. PDF attached, verified uncorrupted?	✓			✓

Analyst: JKH Date: 8/28/11

Comments:

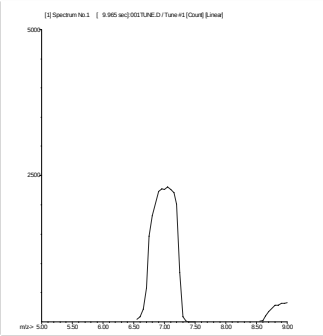
2nd Level Reviewer: [illegible] Date: 8/29/11

Comments:

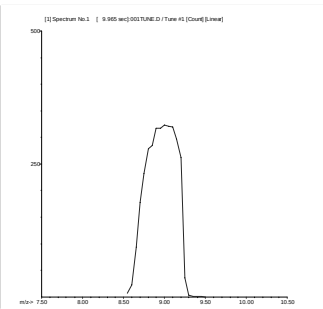
200.8 QC Tune Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\001TUNE.D
Date Acquired: Aug 25 2011 08:35 pm
Acq. Method: tun_isis.M
Operator: LRD
Sample Name: ITUNE-944136
Misc Info:
Vial Number: 4
Current Method: C:\ICPCHEM\1\METHODS\tun_isis.M

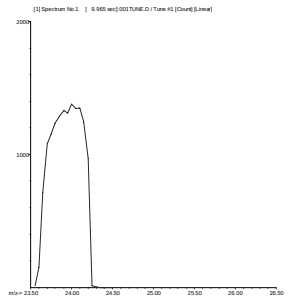
Element	CPS Mean	Rep1	Rep2	Rep3	Rep4	Rep5	**%RSD**	Required	Flag
7 Li	22737	23032	22963	22323	22679	22689	**1.23**	5.00	
9 Be	3288	3223	3247	3360	3284	3326	**1.70**	5.00	
24 Mg	14582	14802	14562	14340	14716	14491	**1.25**	5.00	
59 Co	57604	57538	57276	58120	57529	57556	**0.54**	5.00	
115 In	812262	804397	810444	810150	818618	817700	**0.73**	5.00	
208 Pb	63178	64621	62756	63346	62872	62294	**1.41**	5.00	
238 U	121764	120762	122888	123321	119078	122772	**1.48**	5.00	



7 Li
Mass Calib.
Actual: 7.00
Required: 6.90 - 7.10
Flag:
Peak Width
Actual: 0.55
Required: 0.90
Flag:



9 Be
Mass Calib.
Actual: 9.00
Required: 8.90 - 9.10
Flag:
Peak Width
Actual: 0.55
Required: 0.90
Flag:



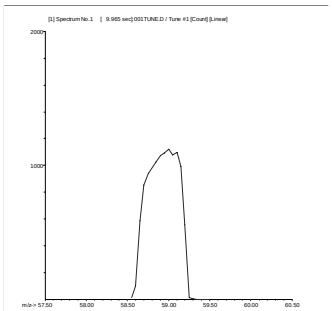
24 Mg

Mass Calib.

Actual: 24.00
Required: 23.90 - 24.10
Flag:

Peak Width

Actual: 0.60
Required: 0.90
Flag:



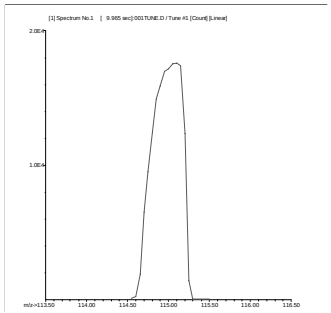
59 Co

Mass Calib.

Actual: 59.00
Required: 58.90 - 59.10
Flag:

Peak Width

Actual: 0.55
Required: 0.90
Flag:



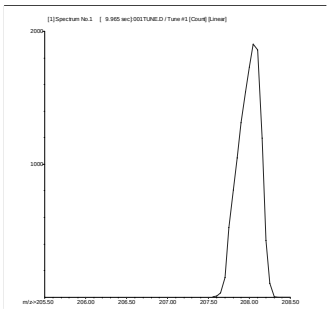
115 In

Mass Calib.

Actual: 115.05
Required: 114.90 - 115.10
Flag:

Peak Width

Actual: 0.55
Required: 0.90
Flag:



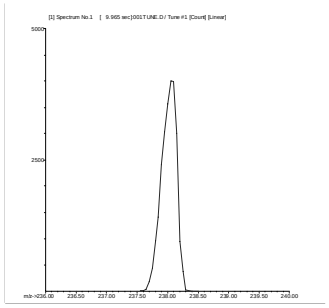
208 Pb

Mass Calib.

Actual: 208.00
Required: 207.90 - 208.10
Flag:

Peak Width

Actual: 0.45
Required: 0.90
Flag:



238 U

Mass Calib.

Actual: 238.05
Required: 237.90 - 238.10
Flag:

Peak Width

Actual: 0.45
Required: 0.90
Flag:

Tune Result: Pass

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#
Date Acquired: Aug 25 2011 08:41 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: IC-944134
Misc Info:
Vial Number: 1103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:39 pm
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD(%)
9	Be	6	1	0	0.00
51	V	72	1	99	139.22
52	Cr	72	1	1437	2.24
55	Mn	72	1	447	3.42
59	Co	72	1	43	35.25
60	Ni	72	1	53	43.30
63	Cu	72	1	360	24.06
66	Zn	72	1	167	4.53
75	As	72	1	35	31.18
78	Se	72	1	43	35.25
95	Mo	72	1	167	15.10
107	Ag	115	1	3	173.21
111	Cd	115	1	4	35.77
118	Sn	115	1	60	33.33
121	Sb	115	1	10	33.33
137	Ba	115	1	14	13.32
205	Tl	165	1	102	8.21
208	Pb	165	1	273	6.34
232	Th	165	1	97	11.95
238	U	165	1	82	6.19

Internal Standard Elements

Element		Tune	CPS Mean	RSD(%)
6	Li	1	439510	0.39
45	Sc	1	933106	0.49
72	Ge	1	470474	0.41
115	In	1	1645880	1.66
165	Ho	1	3654515	0.73

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\004ICAL.D\004ICAL.D#
Date Acquired: Aug 25 2011 08:44 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: IC-944105
Misc Info:
Vial Number: 1303
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:41 pm
Sample Type: ICAL

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD(%)
9	Be	6	1	60048	0.94
51	V	72	1	693808	1.15
52	Cr	72	1	758748	2.26
55	Mn	72	1	672190	0.72
59	Co	72	1	1035014	0.78
60	Ni	72	1	236475	0.93
63	Cu	72	1	564250	0.29
66	Zn	72	1	110864	0.27
75	As	72	1	71138	0.47
78	Se	72	1	11649	1.54
95	Mo	72	1	260700	0.66
107	Ag	115	1	881143	1.86
111	Cd	115	1	161681	0.68
118	Sn	115	1	415397	0.10
121	Sb	115	1	465278	0.18
137	Ba	115	1	193557	0.90
205	Tl	165	1	2124390	0.67
208	Pb	165	1	3000836	0.43
232	Th	165	1	2780161	0.41
238	U	165	1	3101816	1.51

ISTD Elements

Element		Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6	Li	1	428844	0.38	439510	97.6	30 - 120	
45	Sc	1	921376	1.08	933106	98.7	30 - 120	
72	Ge	1	455563	0.79	470474	96.8	30 - 120	
115	In	1	1610563	1.93	1645880	97.9	30 - 120	
165	Ho	1	3685653	0.44	3654515	100.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures 0
0 :ISTD Failures 0

Initial Calibration Verification (ICV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\005_ICV.D\005_ICV.D#
Date Acquired: Aug 25 2011 08:46 pm
Operator: LRD
Sample Name: ICV-944106
Misc Info:
Vial Number: 2103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: ICV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	39.94	ppb	2.57	40	99.9	90 - 110	
51 V	72	1	40.38	ppb	1.65	40	101.0	90 - 110	
52 Cr	72	1	39.91	ppb	0.70	40	99.8	90 - 110	
55 Mn	72	1	41.13	ppb	1.44	40	102.8	90 - 110	
59 Co	72	1	38.69	ppb	1.34	40	96.7	90 - 110	
60 Ni	72	1	40.65	ppb	2.63	40	101.6	90 - 110	
63 Cu	72	1	40.37	ppb	0.92	40	100.9	90 - 110	
66 Zn	72	1	39.80	ppb	0.88	40	99.5	90 - 110	
75 As	72	1	40.79	ppb	1.05	40	102.0	90 - 110	
78 Se	72	1	41.78	ppb	3.27	40	104.5	90 - 110	
95 Mo	72	1	40.20	ppb	1.27	40	100.5	90 - 110	
107 Ag	115	1	39.37	ppb	1.44	40	98.4	90 - 110	
111 Cd	115	1	40.26	ppb	1.48	40	100.7	90 - 110	
118 Sn	115	1	40.35	ppb	0.90	40	100.9	90 - 110	
121 Sb	115	1	39.82	ppb	0.89	40	99.6	90 - 110	
137 Ba	115	1	39.88	ppb	2.53	40	99.7	90 - 110	
205 Tl	165	1	39.87	ppb	0.78	40	99.7	90 - 110	
208 Pb	165	1	40.51	ppb	0.19	40	101.3	90 - 110	
232 Th	165	1	41.42	ppb	0.70	40	103.6	90 - 110	
238 U	165	1	39.46	ppb	0.61	40	98.7	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	433772	1.10	439510	98.7	30 - 120	
45 Sc	1	916227	0.65	933106	98.2	30 - 120	
72 Ge	1	458672	0.70	470474	97.5	30 - 120	
115 In	1	1618415	1.46	1645880	98.3	30 - 120	
165 Ho	1	3691192	0.34	3654515	101.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\006WASH.D\006WASH.D#
Date Acquired: Aug 25 2011 08:49 pm
Operator: LRD
Sample Name: LLICV-
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.128 ppb	9.74	1.30	
51 V	72	1	4.927 ppb	1.68	6.50	
52 Cr	72	1	2.186 ppb	3.14	2.60	
55 Mn	72	1	1.089 ppb	3.43	1.30	
59 Co	72	1	0.982 ppb	4.04	1.30	
60 Ni	72	1	2.224 ppb	4.25	2.60	
63 Cu	72	1	2.117 ppb	1.65	2.60	
66 Zn	72	1	10.340 ppb	1.45	13.00	
75 As	72	1	5.029 ppb	3.23	6.50	
78 Se	72	1	5.444 ppb	14.19	6.50	
95 Mo	72	1	2.029 ppb	4.67	2.60	
107 Ag	115	1	4.952 ppb	0.89	6.50	
111 Cd	115	1	0.964 ppb	4.55	1.30	
118 Sn	115	1	10.280 ppb	2.44	13.00	
121 Sb	115	1	2.133 ppb	2.33	2.60	
137 Ba	115	1	1.051 ppb	2.84	1.30	
205 Tl	165	1	1.126 ppb	2.59	1.30	
208 Pb	165	1	1.068 ppb	2.31	1.30	
232 Th	165	1	2.197 ppb	1.51	2.60	
238 U	165	1	1.082 ppb	1.73	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	434819	0.90	439510	98.9	30 - 120	
45 Sc	1	937550	1.12	933106	100.5	30 - 120	
72 Ge	1	466766	0.73	470474	99.2	30 - 120	
115 In	1	1635687	1.52	1645880	99.4	30 - 120	
165 Ho	1	3704869	1.30	3654515	101.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Initial Calibration Blank (ICB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\007_ICB.D\007_ICB.D#
Date Acquired: Aug 25 2011 08:52 pm
Operator: LRD
Sample Name: ICB-944134
Misc Info:
Vial Number: 2104
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: ICB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.00	ppb	0.00	1.00	
51 V	72	1	-0.01	ppb	734.19	1.00	
52 Cr	72	1	0.00	ppb	1945.10	1.00	
55 Mn	72	1	0.27	ppb	3.64	1.00	
59 Co	72	1	0.00	ppb	474.12	1.00	
60 Ni	72	1	0.17	ppb	12.54	1.00	
63 Cu	72	1	0.85	ppb	7.22	1.00	
66 Zn	72	1	0.91	ppb	4.13	1.00	
75 As	72	1	0.00	ppb	1515.20	1.00	
78 Se	72	1	0.00	ppb	5473.60	1.00	
95 Mo	72	1	-0.01	ppb	247.27	1.00	
107 Ag	115	1	0.01	ppb	18.80	1.00	
111 Cd	115	1	0.00	ppb	118.87	1.00	
118 Sn	115	1	0.09	ppb	12.03	1.00	
121 Sb	115	1	0.03	ppb	5.72	1.00	
137 Ba	115	1	0.02	ppb	36.16	1.00	
205 Tl	165	1	0.02	ppb	2.71	1.00	
208 Pb	165	1	0.06	ppb	3.88	1.00	
232 Th	165	1	0.01	ppb	21.42	1.00	
238 U	165	1	0.00	ppb	15.97	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	432055	0.81	439510	98.3	30 - 120	
45 Sc	1	934644	1.31	933106	100.2	30 - 120	
72 Ge	1	473926	0.30	470474	100.7	30 - 120	
115 In	1	1643683	1.21	1645880	99.9	30 - 120	
165 Ho	1	3659948	1.29	3654515	100.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

RL STD QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\008RLST.D\008RLST.D#
Date Acquired: Aug 25 2011 08:55 pm
Operator: LRD
Sample Name: CRI-944107
Misc Info:
Vial Number: 2105
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: RLSTD
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	1.05	ppb	8.98	1	104.7	80 - 120	
51 V	72	1	0.94	ppb	4.67	1	93.9	80 - 120	
52 Cr	72	1	0.95	ppb	1.66	1	95.1	80 - 120	
55 Mn	72	1	1.00	ppb	3.34	1	99.9	80 - 120	
59 Co	72	1	0.95	ppb	0.90	1	95.1	80 - 120	
60 Ni	72	1	1.09	ppb	11.24	1	108.6	80 - 120	
63 Cu	72	1	1.00	ppb	0.47	1	100.3	80 - 120	
66 Zn	72	1	10.44	ppb	2.93	10	104.4	80 - 120	
75 As	72	1	0.97	ppb	5.31	1	96.8	80 - 120	
78 Se	72	1	0.99	ppb	9.22	1	99.0	80 - 120	
95 Mo	72	1	1.03	ppb	6.34	1	103.0	80 - 120	
107 Ag	115	1	0.96	ppb	8.31	1	95.7	80 - 120	
111 Cd	115	1	0.98	ppb	7.73	1	97.7	80 - 120	
118 Sn	115	1	10.38	ppb	1.98	10	103.8	80 - 120	
121 Sb	115	1	1.02	ppb	1.05	1	101.6	80 - 120	
137 Ba	115	1	0.98	ppb	3.92	1	98.0	80 - 120	
205 Tl	165	1	1.02	ppb	0.75	1	102.0	80 - 120	
208 Pb	165	1	1.02	ppb	0.94	1	102.1	80 - 120	
232 Th	165	1	1.04	ppb	2.16	1	104.1	80 - 120	
238 U	165	1	1.06	ppb	1.52	1	105.8	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	434383	0.34	439510	98.8	30 - 120	
45 Sc	1	953937	0.28	933106	102.2	30 - 120	
72 Ge	1	474223	0.38	470474	100.8	30 - 120	
115 In	1	1652372	1.58	1645880	100.4	30 - 120	
165 Ho	1	3685441	0.39	3654515	100.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

AFCEE RL QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\009AFCE.D\009AFCE.D#
Date Acquired: Aug 25 2011 08:58 pm
Operator: LRD
Sample Name: AFCEE RL-944108
Misc Info:
Vial Number: 2106
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: AFCEERL
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	0.18	ppb	54.89	0	84.7	80 - 120	
51 V	72	1	0.20	ppb	19.07	0	107.1	80 - 120	
52 Cr	72	1	0.22	ppb	15.01	0	117.3	80 - 120	
55 Mn	72	1	0.20	ppb	7.28	0	101.3	80 - 120	
59 Co	72	1	0.19	ppb	7.59	0	100.0	80 - 120	
60 Ni	72	1	0.22	ppb	17.20	0	102.2	80 - 120	
63 Cu	72	1	0.20	ppb	6.31	0	101.4	80 - 120	
66 Zn	72	1	2.02	ppb	2.47	2	96.9	80 - 120	
75 As	72	1	0.20	ppb	2.76	0	101.4	80 - 120	
78 Se	72	1	0.22	ppb	102.37	0	108.6	80 - 120	
95 Mo	72	1	0.20	ppb	10.74	0	95.1	80 - 120	
107 Ag	115	1	0.18	ppb	3.68	0	91.7	80 - 120	
111 Cd	115	1	0.18	ppb	13.69	0	93.2	80 - 120	
118 Sn	115	1	2.14	ppb	1.95	2	103.1	80 - 120	
121 Sb	115	1	0.21	ppb	8.59	0	102.3	80 - 120	
137 Ba	115	1	0.22	ppb	6.02	0	110.0	80 - 120	
205 Tl	165	1	0.21	ppb	2.78	0	104.2	80 - 120	
208 Pb	165	1	0.20	ppb	0.75	0	98.9	80 - 120	
232 Th	165	1	0.21	ppb	4.33	0	102.9	80 - 120	
238 U	165	1	0.21	ppb	2.34	0	97.0	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	442258	0.72	439510	100.6	30 - 120	
45 Sc	1	949694	2.52	933106	101.8	30 - 120	
72 Ge	1	477040	0.36	470474	101.4	30 - 120	
115 In	1	1655140	0.18	1645880	100.6	30 - 120	
165 Ho	1	3725264	1.27	3654515	101.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Interference Check Solution A (ICS-A) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\010ICSA.D\010ICSA.D#
Date Acquired: Aug 25 2011 09:01 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: ICSA-944111
Misc Info:
Vial Number: 2108
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: ICSA
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element		IS Ref	Tune	Conc.	RSD(%)	High Limit ppb	Flag
9	Be	6	1	0.00 ppb	0.00	1.00	
51	V	72	1	0.10 ppb	171.77	1.00	
52	Cr	72	1	1.21 ppb	6.60	1.00	
55	Mn	72	1	0.37 ppb	17.10	1.00	
59	Co	72	1	0.07 ppb	7.10	1.00	
60	Ni	72	1	0.83 ppb	5.57	1.00	
63	Cu	72	1	0.53 ppb	6.90	1.00	
66	Zn	72	1	2.89 ppb	4.40	10.00	
75	As	72	1	0.70 ppb	3.26	1.00	
78	Se	72	1	0.36 ppb	49.82	1.00	
95	Mo	72	1	2024.00 ppb	0.81	2000.00	
107	Ag	115	1	0.06 ppb	14.87	1.00	
111	Cd	115	1	0.78 ppb	22.48	1.00	
118	Sn	115	1	0.18 ppb	4.29	10.00	
121	Sb	115	1	0.31 ppb	1.33	1.00	
137	Ba	115	1	0.18 ppb	19.85	1.00	
205	Tl	165	1	0.06 ppb	20.69	1.00	
208	Pb	165	1	0.15 ppb	4.22	1.00	
232	Th	165	1	0.03 ppb	14.49	1.00	
238	U	165	1	0.00 ppb	32.34	1.00	

ISTD Elements

Element		Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6	Li	1	418683	1.37	439510	95.3	30 - 120	
45	Sc	1	793216	0.09	933106	85.0	30 - 120	
72	Ge	1	381165	0.55	470474	81.0	30 - 120	
115	In	1	1286331	1.21	1645880	78.2	30 - 120	
165	Ho	1	3116221	0.65	3654515	85.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Nnumber of ISTD Failures Allowed

Interference Check Solution AB (ICS-AB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\011ICSB.D\011ICSB.D#
Date Acquired: Aug 25 2011 09:04 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: ICSAB-944124
Misc Info:
Vial Number: 2109
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: ICSAB
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	%Recovery	QC Range(%)	Flag
9 Be	6	1	96.88	0.62	100	96.9	80 - 120	
51 V	72	1	105.30	0.42	100	105.3	80 - 120	
52 Cr	72	1	102.00	1.18	100	102.0	80 - 120	
55 Mn	72	1	101.70	0.77	100	101.7	80 - 120	
59 Co	72	1	92.65	0.47	100	92.7	80 - 120	
60 Ni	72	1	91.94	0.71	100	91.9	80 - 120	
63 Cu	72	1	89.12	0.42	100	89.1	80 - 120	
66 Zn	72	1	97.45	0.11	100	97.5	80 - 120	
75 As	72	1	99.42	0.32	100	99.4	80 - 120	
78 Se	72	1	104.40	1.92	100	104.4	80 - 120	
95 Mo	72	1	2197.00	2.42	2100	104.6	80 - 120	
107 Ag	115	1	84.89	2.01	100	84.9	80 - 120	
111 Cd	115	1	94.05	0.54	100	94.1	80 - 120	
118 Sn	115	1	101.30	0.63	100	101.3	80 - 120	
121 Sb	115	1	101.80	0.15	100	101.8	80 - 120	
137 Ba	115	1	103.20	0.15	100	103.2	80 - 120	
205 Tl	165	1	97.25	0.38	100	97.3	80 - 120	
208 Pb	165	1	96.49	0.41	100	96.5	80 - 120	
232 Th	165	1	108.70	2.33	100	108.7	80 - 120	
238 U	165	1	108.50	1.39	100	108.5	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	433078	0.66	439510	98.5	30 - 120	
45 Sc	1	785508	0.26	933106	84.2	30 - 120	
72 Ge	1	367680	0.83	470474	78.2	30 - 120	
115 In	1	1299950	0.48	1645880	79.0	30 - 120	
165 Ho	1	3111427	0.78	3654515	85.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\012WASH.D\012WASH.D#
Date Acquired: Aug 25 2011 09:07 pm
Operator: LRD
Sample Name: RINSE
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.010 ppb	173.16	1.30	
51 V	72	1	0.037 ppb	72.68	6.50	
52 Cr	72	1	0.013 ppb	133.11	2.60	
55 Mn	72	1	0.006 ppb	188.65	1.30	
59 Co	72	1	0.010 ppb	15.10	1.30	
60 Ni	72	1	0.002 ppb	306.82	2.60	
63 Cu	72	1	0.014 ppb	42.74	2.60	
66 Zn	72	1	0.003 ppb	515.59	13.00	
75 As	72	1	0.024 ppb	144.78	6.50	
78 Se	72	1	0.115 ppb	42.32	6.50	
95 Mo	72	1	0.380 ppb	11.16	2.60	
107 Ag	115	1	0.016 ppb	7.70	6.50	
111 Cd	115	1	0.015 ppb	64.69	1.30	
118 Sn	115	1	0.026 ppb	73.18	13.00	
121 Sb	115	1	0.011 ppb	17.90	2.60	
137 Ba	115	1	0.011 ppb	41.46	1.30	
205 Tl	165	1	0.012 ppb	10.46	1.30	
208 Pb	165	1	0.008 ppb	10.21	1.30	
232 Th	165	1	0.020 ppb	14.32	2.60	
238 U	165	1	0.016 ppb	13.37	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	471168	1.68	439510	107.2	30 - 120	
45 Sc	1	931502	1.03	933106	99.8	30 - 120	
72 Ge	1	466944	0.67	470474	99.2	30 - 120	
115 In	1	1653694	1.11	1645880	100.5	30 - 120	
165 Ho	1	3807167	1.39	3654515	104.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Linear Dynamic Range Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\013_LR.D\013_LR.D#
Date Acquired: Aug 25 2011 09:10 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: LRA-944125
Misc Info:
Vial Number: 2110
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: LR
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc.	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	973.60 ppb	1.86	1000	97.4	90 - 110	
51 V	72	1	951.10 ppb	1.32	1000	95.1	90 - 110	
52 Cr	72	1	979.40 ppb	2.09	1000	97.9	90 - 110	
55 Mn	72	1	1012.00 ppb	1.55	1000	101.2	90 - 110	
59 Co	72	1	952.90 ppb	1.30	1000	95.3	90 - 110	
60 Ni	72	1	979.60 ppb	0.86	1000	98.0	90 - 110	
63 Cu	72	1	933.70 ppb	2.03	1000	93.4	90 - 110	
66 Zn	72	1	988.20 ppb	0.96	1000	98.8	90 - 110	
75 As	72	1	977.90 ppb	1.24	1000	97.8	90 - 110	
78 Se	72	1	989.90 ppb	1.89	1000	99.0	90 - 110	
95 Mo	72	1	1035.00 ppb	2.65	1000	103.5	90 - 110	
107 Ag	115	1	955.40 ppb	0.88	1000	95.5	90 - 110	
111 Cd	115	1	1016.00 ppb	0.37	1000	101.6	90 - 110	
118 Sn	115	1	1014.00 ppb	0.67	1000	101.4	90 - 110	
121 Sb	115	1	987.80 ppb	0.97	1000	98.8	90 - 110	
137 Ba	115	1	1042.00 ppb	1.22	1000	104.2	90 - 110	
205 Tl	165	1	982.60 ppb	1.58	1000	98.3	90 - 110	
208 Pb	165	1	983.60 ppb	0.32	1000	98.4	90 - 110	
232 Th	165	1	1046.00 ppb	1.85	1000	104.6	90 - 110	
238 U	165	1	1017.00 ppb	1.52	1000	101.7	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	430775	1.49	439510	98.0	30 - 120	
45 Sc	1	900574	2.06	933106	96.5	30 - 120	
72 Ge	1	442679	1.61	470474	94.1	30 - 120	
115 In	1	1582708	0.88	1645880	96.2	30 - 120	
165 Ho	1	3731627	0.18	3654515	102.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\014WASH.D\014WASH.D#
Date Acquired: Aug 25 2011 09:13 pm
Operator: LRD
Sample Name: RINSE
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.072 ppb	35.00	1.30	
51 V	72	1	0.087 ppb	39.01	6.50	
52 Cr	72	1	0.090 ppb	21.01	2.60	
55 Mn	72	1	0.107 ppb	15.61	1.30	
59 Co	72	1	0.077 ppb	21.39	1.30	
60 Ni	72	1	0.099 ppb	34.23	2.60	
63 Cu	72	1	0.074 ppb	65.05	2.60	
66 Zn	72	1	0.127 ppb	37.71	13.00	
75 As	72	1	0.107 ppb	21.67	6.50	
78 Se	72	1	0.131 ppb	79.16	6.50	
95 Mo	72	1	0.252 ppb	32.72	2.60	
107 Ag	115	1	0.114 ppb	15.48	6.50	
111 Cd	115	1	0.119 ppb	30.52	1.30	
118 Sn	115	1	0.241 ppb	7.29	13.00	
121 Sb	115	1	0.141 ppb	6.03	2.60	
137 Ba	115	1	0.087 ppb	20.86	1.30	
205 Tl	165	1	0.146 ppb	11.54	1.30	
208 Pb	165	1	0.095 ppb	16.09	1.30	
232 Th	165	1	0.155 ppb	13.99	2.60	
238 U	165	1	0.140 ppb	10.50	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	428145	0.34	439510	97.4	30 - 120	
45 Sc	1	901237	0.77	933106	96.6	30 - 120	
72 Ge	1	452457	0.59	470474	96.2	30 - 120	
115 In	1	1616259	1.51	1645880	98.2	30 - 120	
165 Ho	1	3636844	0.95	3654515	99.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\015_CCV.D\015_CCV.D#
Date Acquired: Aug 25 2011 09:15 pm
Operator: LRD
Sample Name: CCV-944128
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	48.40	ppb	1.24	50	96.8	90 - 110	
51 V	72	1	49.62	ppb	0.86	50	99.2	90 - 110	
52 Cr	72	1	49.33	ppb	0.71	50	98.7	90 - 110	
55 Mn	72	1	50.31	ppb	0.61	50	100.6	90 - 110	
59 Co	72	1	47.55	ppb	1.06	50	95.1	90 - 110	
60 Ni	72	1	48.91	ppb	0.70	50	97.8	90 - 110	
63 Cu	72	1	48.98	ppb	0.38	50	98.0	90 - 110	
66 Zn	72	1	49.24	ppb	0.87	50	98.5	90 - 110	
75 As	72	1	49.16	ppb	1.15	50	98.3	90 - 110	
78 Se	72	1	48.13	ppb	10.66	50	96.3	90 - 110	
95 Mo	72	1	50.01	ppb	1.09	50	100.0	90 - 110	
107 Ag	115	1	47.91	ppb	2.24	50	95.8	90 - 110	
111 Cd	115	1	49.41	ppb	2.06	50	98.8	90 - 110	
118 Sn	115	1	50.02	ppb	1.96	50	100.0	90 - 110	
121 Sb	115	1	49.25	ppb	1.92	50	98.5	90 - 110	
137 Ba	115	1	50.03	ppb	1.83	50	100.1	90 - 110	
205 Tl	165	1	50.60	ppb	0.78	50	101.2	90 - 110	
208 Pb	165	1	50.66	ppb	0.44	50	101.3	90 - 110	
232 Th	165	1	53.75	ppb	0.56	50	107.5	90 - 110	
238 U	165	1	53.04	ppb	2.91	50	106.1	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	425994	0.53	439510	96.9	30 - 120	
45 Sc	1	917606	0.63	933106	98.3	30 - 120	
72 Ge	1	451700	0.02	470474	96.0	30 - 120	
115 In	1	1607486	2.00	1645880	97.7	30 - 120	
165 Ho	1	3705524	0.42	3654515	101.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\016_CCB.D\016_CCB.D#
Date Acquired: Aug 25 2011 09:18 pm
Operator: LRD
Sample Name: CCB-944134
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.016	ppb	100.30	1.00	
51 V	72	1	0.018	ppb	127.50	1.00	
52 Cr	72	1	0.019	ppb	103.71	1.00	
55 Mn	72	1	0.014	ppb	50.07	1.00	
59 Co	72	1	0.012	ppb	8.38	1.00	
60 Ni	72	1	0.010	ppb	62.16	1.00	
63 Cu	72	1	0.027	ppb	56.63	1.00	
66 Zn	72	1	0.047	ppb	27.88	1.00	
75 As	72	1	0.022	ppb	6.48	1.00	
78 Se	72	1	0.232	ppb	72.53	1.00	
95 Mo	72	1	0.039	ppb	41.16	1.00	
107 Ag	115	1	0.027	ppb	21.73	1.00	
111 Cd	115	1	0.018	ppb	41.45	1.00	
118 Sn	115	1	0.073	ppb	22.94	1.00	
121 Sb	115	1	0.022	ppb	26.29	1.00	
137 Ba	115	1	0.020	ppb	39.32	1.00	
205 Tl	165	1	0.035	ppb	7.60	1.00	
208 Pb	165	1	0.023	ppb	10.84	1.00	
232 Th	165	1	0.041	ppb	1.58	1.00	
238 U	165	1	0.024	ppb	5.06	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	434135	0.41	439510	98.8	30 - 120	
45 Sc	1	920346	0.30	933106	98.6	30 - 120	
72 Ge	1	463061	0.42	470474	98.4	30 - 120	
115 In	1	1629114	0.60	1645880	99.0	30 - 120	
165 Ho	1	3700506	0.97	3654515	101.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\017WASH.D\017WASH.D#
Date Acquired: Aug 25 2011 09:21 pm
Operator: LRD
Sample Name: LLICV-944135
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.068 ppb	9.04	1.30	
51 V	72	1	4.969 ppb	4.38	6.50	
52 Cr	72	1	2.202 ppb	3.79	2.60	
55 Mn	72	1	1.056 ppb	2.07	1.30	
59 Co	72	1	0.984 ppb	3.38	1.30	
60 Ni	72	1	2.115 ppb	6.60	2.60	
63 Cu	72	1	2.052 ppb	5.43	2.60	
66 Zn	72	1	10.150 ppb	2.52	13.00	
75 As	72	1	4.910 ppb	3.63	6.50	
78 Se	72	1	5.278 ppb	20.41	6.50	
95 Mo	72	1	2.113 ppb	9.05	2.60	
107 Ag	115	1	4.861 ppb	2.34	6.50	
111 Cd	115	1	1.094 ppb	1.74	1.30	
118 Sn	115	1	10.110 ppb	0.38	13.00	
121 Sb	115	1	2.043 ppb	2.56	2.60	
137 Ba	115	1	1.063 ppb	1.95	1.30	
205 Tl	165	1	1.123 ppb	2.39	1.30	
208 Pb	165	1	1.091 ppb	1.00	1.30	
232 Th	165	1	2.306 ppb	2.16	2.60	
238 U	165	1	1.126 ppb	1.52	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	434576	0.66	439510	98.9	30 - 120	
45 Sc	1	938241	1.26	933106	100.6	30 - 120	
72 Ge	1	466563	0.51	470474	99.2	30 - 120	
115 In	1	1640407	0.33	1645880	99.7	30 - 120	
165 Ho	1	3730644	1.14	3654515	102.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\018SMPL.D\018SMPL.D#
Date Acquired: Aug 25 2011 09:24 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: MDLVB
Misc Info: MDLV SOIL
Vial Number: 2201
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	100.18	3600	
51 V	72	1	0.01	0.01	ppb	174.26	3600	
52 Cr	72	1	0.13	0.13	ppb	29.83	3600	
55 Mn	72	1	0.13	0.13	ppb	12.46	18000	
59 Co	72	1	0.01	0.01	ppb	45.09	3600	
60 Ni	72	1	0.10	0.10	ppb	23.96	3600	
63 Cu	72	1	0.25	0.25	ppb	8.68	3600	
66 Zn	72	1	0.47	0.47	ppb	3.05	3600	
75 As	72	1	-0.01	-0.01	ppb	95.56	3600	
78 Se	72	1	0.08	0.08	ppb	155.67	3600	
95 Mo	72	1	0.06	0.06	ppb	64.17	3600	
107 Ag	115	1	0.02	0.02	ppb	58.95	3600	
111 Cd	115	1	0.02	0.02	ppb	29.19	3600	
118 Sn	115	1	0.11	0.11	ppb	16.25	3600	
121 Sb	115	1	0.02	0.02	ppb	27.86	3600	
137 Ba	115	1	0.21	0.21	ppb	10.12	3600	
205 Tl	165	1	0.03	0.03	ppb	2.55	3600	
208 Pb	165	1	0.05	0.05	ppb	5.78	3600	
232 Th	165	1	0.03	0.03	ppb	3.92	1000	
238 U	165	1	0.02	0.02	ppb	5.60	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	439980	0.34	439510	100.1	30 - 120	
45 Sc	1	948556	0.44	933106	101.7	30 - 120	
72 Ge	1	473547	0.35	470474	100.7	30 - 120	
115 In	1	1648235	0.92	1645880	100.1	30 - 120	
165 Ho	1	3744944	0.23	3654515	102.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\019SMPL.D\019SMPL.D#
Date Acquired: Aug 25 2011 09:27 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: MDLV1
Misc Info:
Vial Number: 2202
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.11	0.11	ppb	24.10	3600	
51 V	72	1	0.23	0.23	ppb	12.65	3600	
52 Cr	72	1	0.61	0.61	ppb	2.05	3600	
55 Mn	72	1	0.34	0.34	ppb	10.29	18000	
59 Co	72	1	0.06	0.06	ppb	6.79	3600	
60 Ni	72	1	0.27	0.27	ppb	7.31	3600	
63 Cu	72	1	0.68	0.68	ppb	4.64	3600	
66 Zn	72	1	2.49	2.49	ppb	3.66	3600	
75 As	72	1	0.32	0.32	ppb	13.63	3600	
78 Se	72	1	0.74	0.74	ppb	16.89	3600	
95 Mo	72	1	0.14	0.14	ppb	10.51	3600	
107 Ag	115	1	0.19	0.19	ppb	2.24	3600	
111 Cd	115	1	0.09	0.09	ppb	11.13	3600	
118 Sn	115	1	0.55	0.55	ppb	2.80	3600	
121 Sb	115	1	0.12	0.12	ppb	4.60	3600	
137 Ba	115	1	0.65	0.65	ppb	7.23	3600	
205 Tl	165	1	0.04	0.04	ppb	3.76	3600	
208 Pb	165	1	0.18	0.18	ppb	1.51	3600	
232 Th	165	1	0.23	0.23	ppb	1.46	1000	
238 U	165	1	0.03	0.03	ppb	8.34	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	436701	0.83	439510	99.4	30 - 120	
45 Sc	1	950807	0.77	933106	101.9	30 - 120	
72 Ge	1	474713	0.89	470474	100.9	30 - 120	
115 In	1	1655016	0.64	1645880	100.6	30 - 120	
165 Ho	1	3770317	0.88	3654515	103.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\020SMPL.D\020SMPL.D#
Date Acquired: Aug 25 2011 09:30 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: MDLV2
Misc Info:
Vial Number: 2203
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.11	0.11	ppb	28.08	3600	
51 V	72	1	0.27	0.27	ppb	10.23	3600	
52 Cr	72	1	0.57	0.57	ppb	11.69	3600	
55 Mn	72	1	0.26	0.26	ppb	6.37	18000	
59 Co	72	1	0.05	0.05	ppb	8.03	3600	
60 Ni	72	1	0.17	0.17	ppb	18.23	3600	
63 Cu	72	1	0.61	0.61	ppb	5.76	3600	
66 Zn	72	1	2.32	2.32	ppb	1.32	3600	
75 As	72	1	0.30	0.30	ppb	3.88	3600	
78 Se	72	1	0.30	0.30	ppb	145.23	3600	
95 Mo	72	1	0.15	0.15	ppb	16.24	3600	
107 Ag	115	1	0.17	0.17	ppb	30.27	3600	
111 Cd	115	1	0.07	0.07	ppb	22.63	3600	
118 Sn	115	1	0.44	0.44	ppb	11.90	3600	
121 Sb	115	1	0.09	0.09	ppb	7.02	3600	
137 Ba	115	1	0.54	0.54	ppb	9.23	3600	
205 Tl	165	1	0.04	0.04	ppb	3.97	3600	
208 Pb	165	1	0.17	0.17	ppb	0.38	3600	
232 Th	165	1	0.20	0.20	ppb	1.32	1000	
238 U	165	1	0.02	0.02	ppb	8.54	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	438281	1.07	439510	99.7	30 - 120	
45 Sc	1	952561	1.60	933106	102.1	30 - 120	
72 Ge	1	472856	0.16	470474	100.5	30 - 120	
115 In	1	1636060	0.59	1645880	99.4	30 - 120	
165 Ho	1	3778148	0.61	3654515	103.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\021SMPL.D\021SMPL.D#
Date Acquired: Aug 25 2011 09:33 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: MDLVB
Misc Info: MDLV 200.8 8/1
Vial Number: 2204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	86.59	3600	
51 V	72	1	0.00	0.00	ppb	7514.30	3600	
52 Cr	72	1	0.17	0.17	ppb	5.58	3600	
55 Mn	72	1	0.17	0.17	ppb	10.65	18000	
59 Co	72	1	0.00	0.00	ppb	128.02	3600	
60 Ni	72	1	0.08	0.08	ppb	52.94	3600	
63 Cu	72	1	0.10	0.10	ppb	13.81	3600	
66 Zn	72	1	1.87	1.87	ppb	3.48	3600	
75 As	72	1	0.41	0.41	ppb	5.32	3600	
78 Se	72	1	0.09	0.09	ppb	109.07	3600	
95 Mo	72	1	0.02	0.02	ppb	51.76	3600	
107 Ag	115	1	0.03	0.03	ppb	29.30	3600	
111 Cd	115	1	0.02	0.02	ppb	86.46	3600	
118 Sn	115	1	0.30	0.30	ppb	6.76	3600	
121 Sb	115	1	0.04	0.04	ppb	9.34	3600	
137 Ba	115	1	0.07	0.07	ppb	29.52	3600	
205 Tl	165	1	0.09	0.09	ppb	50.33	3600	
208 Pb	165	1	0.04	0.04	ppb	6.17	3600	
232 Th	165	1	0.01	0.01	ppb	15.26	1000	
238 U	165	1	0.01	0.01	ppb	16.58	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	429901	0.92	439510	97.8	30 - 120	
45 Sc	1	866300	1.35	933106	92.8	30 - 120	
72 Ge	1	432439	2.85	470474	91.9	30 - 120	
115 In	1	1540156	1.40	1645880	93.6	30 - 120	
165 Ho	1	3576979	0.74	3654515	97.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\022SMPL.D\022SMPL.D#
Date Acquired: Aug 25 2011 09:36 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: MDLV1
Misc Info:
Vial Number: 2205
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.43	0.43	ppb	31.85	3600	
51 V	72	1	2.43	2.43	ppb	2.97	3600	
52 Cr	72	1	2.35	2.35	ppb	2.63	3600	
55 Mn	72	1	1.66	1.66	ppb	3.17	18000	
59 Co	72	1	0.14	0.14	ppb	4.17	3600	
60 Ni	72	1	0.79	0.79	ppb	3.62	3600	
63 Cu	72	1	1.43	1.43	ppb	4.11	3600	
66 Zn	72	1	57.89	57.89	ppb	0.89	3600	
75 As	72	1	1.39	1.39	ppb	5.57	3600	
78 Se	72	1	2.09	2.09	ppb	18.98	3600	
95 Mo	72	1	0.16	0.16	ppb	16.49	3600	
107 Ag	115	1	0.06	0.06	ppb	8.41	3600	
111 Cd	115	1	0.11	0.11	ppb	22.76	3600	
118 Sn	115	1	0.64	0.64	ppb	8.80	3600	
121 Sb	115	1	0.37	0.37	ppb	9.34	3600	
137 Ba	115	1	2.30	2.30	ppb	2.84	3600	
205 Tl	165	1	0.19	0.19	ppb	3.62	3600	
208 Pb	165	1	0.35	0.35	ppb	2.37	3600	
232 Th	165	1	0.31	0.31	ppb	2.41	1000	
238 U	165	1	0.10	0.10	ppb	1.65	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	412049	0.52	439510	93.8	30 - 120	
45 Sc	1	812686	0.77	933106	87.1	30 - 120	
72 Ge	1	400060	1.12	470474	85.0	30 - 120	
115 In	1	1488019	0.49	1645880	90.4	30 - 120	
165 Ho	1	3550565	0.79	3654515	97.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\023SMPL.D\023SMPL.D#
Date Acquired: Aug 25 2011 09:39 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: MDLV2
Misc Info:
Vial Number: 2206
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.34	0.34	ppb	22.10	3600	
51 V	72	1	2.53	2.53	ppb	7.57	3600	
52 Cr	72	1	2.35	2.35	ppb	3.74	3600	
55 Mn	72	1	1.44	1.44	ppb	6.63	18000	
59 Co	72	1	0.13	0.13	ppb	5.77	3600	
60 Ni	72	1	0.83	0.83	ppb	11.93	3600	
63 Cu	72	1	0.94	0.94	ppb	3.70	3600	
66 Zn	72	1	5.35	5.35	ppb	1.15	3600	
75 As	72	1	1.40	1.40	ppb	5.65	3600	
78 Se	72	1	1.51	1.51	ppb	40.29	3600	
95 Mo	72	1	0.16	0.16	ppb	13.29	3600	
107 Ag	115	1	0.06	0.06	ppb	21.69	3600	
111 Cd	115	1	0.10	0.10	ppb	10.79	3600	
118 Sn	115	1	0.57	0.57	ppb	1.09	3600	
121 Sb	115	1	0.37	0.37	ppb	7.47	3600	
137 Ba	115	1	1.08	1.08	ppb	1.49	3600	
205 Tl	165	1	0.18	0.18	ppb	4.51	3600	
208 Pb	165	1	0.29	0.29	ppb	1.30	3600	
232 Th	165	1	0.29	0.29	ppb	3.45	1000	
238 U	165	1	0.10	0.10	ppb	4.64	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	407822	0.96	439510	92.8	30 - 120	
45 Sc	1	807021	1.16	933106	86.5	30 - 120	
72 Ge	1	392771	0.49	470474	83.5	30 - 120	
115 In	1	1452430	0.51	1645880	88.2	30 - 120	
165 Ho	1	3528654	0.72	3654515	96.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\024SMPL.D\024SMPL.D#
Date Acquired: Aug 25 2011 09:42 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: MDLVB
Misc Info: MDLV 200.8 8/3
Vial Number: 3110
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	1.52	3600	
51 V	72	1	0.02	0.02	ppb	945.50	3600	
52 Cr	72	1	0.17	0.17	ppb	11.52	3600	
55 Mn	72	1	0.49	0.49	ppb	4.83	18000	
59 Co	72	1	0.05	0.05	ppb	4.23	3600	
60 Ni	72	1	0.23	0.23	ppb	13.35	3600	
63 Cu	72	1	0.34	0.34	ppb	9.22	3600	
66 Zn	72	1	2.48	2.48	ppb	1.72	3600	
75 As	72	1	0.37	0.37	ppb	8.11	3600	
78 Se	72	1	-0.20	-0.20	ppb	28.63	3600	
95 Mo	72	1	0.02	0.02	ppb	38.68	3600	
107 Ag	115	1	0.01	0.01	ppb	57.59	3600	
111 Cd	115	1	0.01	0.01	ppb	103.23	3600	
118 Sn	115	1	0.14	0.14	ppb	6.88	3600	
121 Sb	115	1	0.03	0.03	ppb	13.06	3600	
137 Ba	115	1	0.17	0.17	ppb	5.84	3600	
205 Tl	165	1	0.03	0.03	ppb	4.32	3600	
208 Pb	165	1	0.18	0.18	ppb	1.27	3600	
232 Th	165	1	0.03	0.03	ppb	4.66	1000	
238 U	165	1	0.06	0.06	ppb	1.28	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	392019	1.52	439510	89.2	30 - 120	
45 Sc	1	795208	1.69	933106	85.2	30 - 120	
72 Ge	1	395496	0.86	470474	84.1	30 - 120	
115 In	1	1415235	1.40	1645880	86.0	30 - 120	
165 Ho	1	3436399	0.92	3654515	94.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\025SMPL.D\025SMPL.D#
Date Acquired: Aug 25 2011 09:45 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: MDLV1
Misc Info:
Vial Number: 3111
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.33	0.33	ppb	39.66	3600	
51 V	72	1	2.51	2.51	ppb	5.31	3600	
52 Cr	72	1	2.44	2.44	ppb	2.92	3600	
55 Mn	72	1	1.77	1.77	ppb	2.91	18000	
59 Co	72	1	0.14	0.14	ppb	1.18	3600	
60 Ni	72	1	0.78	0.78	ppb	3.04	3600	
63 Cu	72	1	0.88	0.88	ppb	8.60	3600	
66 Zn	72	1	6.67	6.67	ppb	1.56	3600	
75 As	72	1	1.47	1.47	ppb	7.21	3600	
78 Se	72	1	1.93	1.93	ppb	57.33	3600	
95 Mo	72	1	0.18	0.18	ppb	17.43	3600	
107 Ag	115	1	0.06	0.06	ppb	15.11	3600	
111 Cd	115	1	0.10	0.10	ppb	11.10	3600	
118 Sn	115	1	0.50	0.50	ppb	3.99	3600	
121 Sb	115	1	0.37	0.37	ppb	5.83	3600	
137 Ba	115	1	1.34	1.34	ppb	3.13	3600	
205 Tl	165	1	0.24	0.24	ppb	2.94	3600	
208 Pb	165	1	0.42	0.42	ppb	1.72	3600	
232 Th	165	1	0.33	0.33	ppb	4.62	1000	
238 U	165	1	0.15	0.15	ppb	4.53	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	393530	0.84	439510	89.5	30 - 120	
45 Sc	1	788659	0.94	933106	84.5	30 - 120	
72 Ge	1	383254	0.96	470474	81.5	30 - 120	
115 In	1	1439500	0.31	1645880	87.5	30 - 120	
165 Ho	1	3461404	0.97	3654515	94.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\026SMPL.D\026SMPL.D#
Date Acquired: Aug 25 2011 09:48 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: MDLV2
Misc Info:
Vial Number: 3112
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.32	0.32	ppb	32.26	3600	
51 V	72	1	2.67	2.67	ppb	6.94	3600	
52 Cr	72	1	2.43	2.43	ppb	0.33	3600	
55 Mn	72	1	1.95	1.95	ppb	3.30	18000	
59 Co	72	1	0.14	0.14	ppb	13.11	3600	
60 Ni	72	1	0.98	0.98	ppb	1.84	3600	
63 Cu	72	1	0.96	0.96	ppb	5.99	3600	
66 Zn	72	1	7.71	7.71	ppb	1.00	3600	
75 As	72	1	1.58	1.58	ppb	3.48	3600	
78 Se	72	1	2.10	2.10	ppb	24.55	3600	
95 Mo	72	1	0.15	0.15	ppb	23.53	3600	
107 Ag	115	1	0.05	0.05	ppb	7.11	3600	
111 Cd	115	1	0.10	0.10	ppb	41.64	3600	
118 Sn	115	1	0.53	0.53	ppb	18.77	3600	
121 Sb	115	1	0.39	0.39	ppb	6.49	3600	
137 Ba	115	1	1.21	1.21	ppb	2.28	3600	
205 Tl	165	1	0.18	0.18	ppb	4.07	3600	
208 Pb	165	1	0.46	0.46	ppb	0.98	3600	
232 Th	165	1	0.30	0.30	ppb	3.01	1000	
238 U	165	1	0.10	0.10	ppb	2.77	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	392449	0.78	439510	89.3	30 - 120	
45 Sc	1	772162	1.20	933106	82.8	30 - 120	
72 Ge	1	377678	1.21	470474	80.3	30 - 120	
115 In	1	1423255	0.23	1645880	86.5	30 - 120	
165 Ho	1	3460748	0.69	3654515	94.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\027_CCV.D\027_CCV.D#
Date Acquired: Aug 25 2011 09:51 pm
Operator: LRD
Sample Name: CCV-944128
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	49.93	ppb	1.77	50	99.9	90 - 110	
51 V	72	1	49.44	ppb	2.23	50	98.9	90 - 110	
52 Cr	72	1	49.09	ppb	1.38	50	98.2	90 - 110	
55 Mn	72	1	50.56	ppb	1.38	50	101.1	90 - 110	
59 Co	72	1	47.28	ppb	1.22	50	94.6	90 - 110	
60 Ni	72	1	48.31	ppb	1.58	50	96.6	90 - 110	
63 Cu	72	1	48.62	ppb	0.87	50	97.2	90 - 110	
66 Zn	72	1	49.79	ppb	0.96	50	99.6	90 - 110	
75 As	72	1	49.04	ppb	1.52	50	98.1	90 - 110	
78 Se	72	1	51.78	ppb	6.84	50	103.6	90 - 110	
95 Mo	72	1	50.04	ppb	2.21	50	100.1	90 - 110	
107 Ag	115	1	47.22	ppb	1.74	50	94.4	90 - 110	
111 Cd	115	1	48.76	ppb	1.68	50	97.5	90 - 110	
118 Sn	115	1	49.52	ppb	0.26	50	99.0	90 - 110	
121 Sb	115	1	49.22	ppb	1.05	50	98.4	90 - 110	
137 Ba	115	1	50.31	ppb	1.85	50	100.6	90 - 110	
205 Tl	165	1	53.19	ppb	0.40	50	106.4	90 - 110	
208 Pb	165	1	52.41	ppb	0.20	50	104.8	90 - 110	
232 Th	165	1	56.63	ppb	2.50	50	113.3	90 - 110	Fail
238 U	165	1	56.43	ppb	1.83	50	112.9	90 - 110	Fail

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	372067	0.62	439510	84.7	30 - 120	
45 Sc	1	773021	0.87	933106	82.8	30 - 120	
72 Ge	1	391866	0.63	470474	83.3	30 - 120	
115 In	1	1453105	0.80	1645880	88.3	30 - 120	
165 Ho	1	3443649	1.09	3654515	94.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

2 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\028_CCB.D\028_CCB.D#
Date Acquired: Aug 25 2011 09:54 pm
Operator: LRD
Sample Name: CCB-944134
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.019	ppb	99.63	1.00	
51 V	72	1	0.008	ppb	172.56	1.00	
52 Cr	72	1	0.009	ppb	240.91	1.00	
55 Mn	72	1	0.018	ppb	125.01	1.00	
59 Co	72	1	0.016	ppb	51.71	1.00	
60 Ni	72	1	0.003	ppb	361.71	1.00	
63 Cu	72	1	0.022	ppb	35.31	1.00	
66 Zn	72	1	0.041	ppb	51.14	1.00	
75 As	72	1	0.023	ppb	56.62	1.00	
78 Se	72	1	-0.010	ppb	2481.70	1.00	
95 Mo	72	1	0.054	ppb	79.26	1.00	
107 Ag	115	1	0.027	ppb	23.16	1.00	
111 Cd	115	1	0.016	ppb	34.40	1.00	
118 Sn	115	1	0.046	ppb	21.23	1.00	
121 Sb	115	1	0.018	ppb	28.47	1.00	
137 Ba	115	1	0.022	ppb	23.38	1.00	
205 Tl	165	1	0.028	ppb	15.79	1.00	
208 Pb	165	1	0.022	ppb	18.64	1.00	
232 Th	165	1	0.038	ppb	9.75	1.00	
238 U	165	1	0.021	ppb	25.76	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	377726	0.67	439510	85.9	30 - 120	
45 Sc	1	809822	1.37	933106	86.8	30 - 120	
72 Ge	1	409239	0.42	470474	87.0	30 - 120	
115 In	1	1488421	2.25	1645880	90.4	30 - 120	
165 Ho	1	3475301	0.98	3654515	95.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\029WASH.D\029WASH.D#
Date Acquired: Aug 25 2011 09:56 pm
Operator: LRD
Sample Name: LLICV-944135
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.051 ppb	7.01	1.30	
51 V	72	1	4.794 ppb	1.51	6.50	
52 Cr	72	1	2.110 ppb	1.19	2.60	
55 Mn	72	1	1.077 ppb	1.55	1.30	
59 Co	72	1	0.968 ppb	1.22	1.30	
60 Ni	72	1	2.134 ppb	10.38	2.60	
63 Cu	72	1	1.970 ppb	1.75	2.60	
66 Zn	72	1	10.090 ppb	0.81	13.00	
75 As	72	1	4.866 ppb	3.01	6.50	
78 Se	72	1	4.802 ppb	17.57	6.50	
95 Mo	72	1	2.073 ppb	2.90	2.60	
107 Ag	115	1	4.936 ppb	2.75	6.50	
111 Cd	115	1	1.053 ppb	4.69	1.30	
118 Sn	115	1	10.350 ppb	0.50	13.00	
121 Sb	115	1	2.019 ppb	1.88	2.60	
137 Ba	115	1	1.055 ppb	6.99	1.30	
205 Tl	165	1	1.107 ppb	1.19	1.30	
208 Pb	165	1	1.115 ppb	0.62	1.30	
232 Th	165	1	2.375 ppb	0.52	2.60	
238 U	165	1	1.183 ppb	0.99	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	385196	0.13	439510	87.6	30 - 120	
45 Sc	1	827579	1.53	933106	88.7	30 - 120	
72 Ge	1	418119	0.22	470474	88.9	30 - 120	
115 In	1	1502100	1.48	1645880	91.3	30 - 120	
165 Ho	1	3492775	0.36	3654515	95.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\030_BLK.D\030_BLK.D#
Date Acquired: Aug 25 2011 09:59 pm
Operator: LRD
Sample Name: mb 280-82731/1-a
Misc Info: BLANK 82731 SOIL DODV3
Vial Number: 2207
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.000 ppb	0.00	2.00	
51 V	72	1	0.006 ppb	596.29	2.00	
52 Cr	72	1	0.122 ppb	7.94	2.00	
55 Mn	72	1	0.216 ppb	19.55	2.00	
59 Co	72	1	0.009 ppb	47.86	2.00	
60 Ni	72	1	0.061 ppb	45.61	2.00	
63 Cu	72	1	0.077 ppb	50.07	2.00	
66 Zn	72	1	0.467 ppb	3.01	2.00	
75 As	72	1	0.017 ppb	102.47	2.00	
78 Se	72	1	0.099 ppb	247.10	2.00	
95 Mo	72	1	0.008 ppb	183.05	2.00	
107 Ag	115	1	0.004 ppb	36.11	2.00	
111 Cd	115	1	0.012 ppb	66.85	2.00	
118 Sn	115	1	0.079 ppb	21.84	2.00	
121 Sb	115	1	0.013 ppb	19.11	2.00	
137 Ba	115	1	0.123 ppb	17.15	2.00	
205 Tl	165	1	0.017 ppb	15.54	2.00	
208 Pb	165	1	0.044 ppb	4.01	2.00	
232 Th	165	1	0.021 ppb	15.52	2.00	
238 U	165	1	0.013 ppb	5.67	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	393409	0.92	439510	89.5	30 - 120	
45 Sc	1	852708	1.01	933106	91.4	30 - 120	
72 Ge	1	426417	0.27	470474	90.6	30 - 120	
115 In	1	1524266	1.52	1645880	92.6	30 - 120	
165 Ho	1	3555385	0.65	3654515	97.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\031_LCS.D\031_LCS.D#
Date Acquired: Aug 25 2011 10:02 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: lcs 280-82731/2-a
Misc Info: LCS
Vial Number: 2208
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	40.05	1.75	40	100.1	80 - 120	
51 V	72	1	40.42	0.44	40	101.1	80 - 120	
52 Cr	72	1	40.25	1.20	40	100.6	80 - 120	
55 Mn	72	1	41.77	1.67	40	104.4	80 - 120	
59 Co	72	1	38.55	0.49	40	96.4	80 - 120	
60 Ni	72	1	39.64	1.62	40	99.1	80 - 120	
63 Cu	72	1	40.09	0.80	40	100.2	80 - 120	
66 Zn	72	1	39.33	0.94	40	98.3	80 - 120	
75 As	72	1	39.09	0.22	40	97.7	80 - 120	
78 Se	72	1	40.30	2.13	40	100.8	80 - 120	
95 Mo	72	1	41.36	1.49	40	103.4	80 - 120	
107 Ag	115	1	38.39	0.68	40	96.0	80 - 120	
111 Cd	115	1	38.88	0.98	40	97.2	80 - 120	
118 Sn	115	1	40.46	1.68	40	101.2	80 - 120	
121 Sb	115	1	39.36	1.27	40	98.4	80 - 120	
137 Ba	115	1	40.74	1.53	40	101.9	80 - 120	
205 Tl	165	1	42.42	2.20	40	106.1	80 - 120	
208 Pb	165	1	41.62	2.14	40	104.1	80 - 120	
232 Th	165	1	44.89	1.11	40	112.2	80 - 120	
238 U	165	1	45.79	2.55	40	114.5	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	396390	0.50	439510	90.2	30 - 120	
45 Sc	1	868437	1.08	933106	93.1	30 - 120	
72 Ge	1	426041	0.56	470474	90.6	30 - 120	
115 In	1	1551086	0.68	1645880	94.2	30 - 120	
165 Ho	1	3632288	2.24	3654515	99.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\032SMPL.D\032SMPL.D#
Date Acquired: Aug 25 2011 10:05 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19386-a-1-e
Misc Info:
Vial Number: 2209
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	3.41	3.41	ppb	5.48	3600	
51 V	72	1	88.91	88.91	ppb	1.51	3600	
52 Cr	72	1	73.64	73.64	ppb	0.70	3600	
55 Mn	72	1	2,053.00	2053.00	ppb	1.23	18000	
59 Co	72	1	26.30	26.30	ppb	0.66	3600	
60 Ni	72	1	65.97	65.97	ppb	0.61	3600	
63 Cu	72	1	61.82	61.82	ppb	0.82	3600	
66 Zn	72	1	278.90	278.90	ppb	0.44	3600	
75 As	72	1	18.27	18.27	ppb	0.63	3600	
78 Se	72	1	2.68	2.68	ppb	10.50	3600	
95 Mo	72	1	1.95	1.95	ppb	4.22	3600	
107 Ag	115	1	0.75	0.75	ppb	5.83	3600	
111 Cd	115	1	4.70	4.70	ppb	4.07	3600	
118 Sn	115	1	0.83	0.83	ppb	8.56	3600	
121 Sb	115	1	0.16	0.16	ppb	8.43	3600	
137 Ba	115	1	759.40	759.40	ppb	1.65	3600	
205 Tl	165	1	0.95	0.95	ppb	3.20	3600	
208 Pb	165	1	57.35	57.35	ppb	0.04	3600	
232 Th	165	1	28.85	28.85	ppb	0.39	1000	
238 U	165	1	2.99	2.99	ppb	0.51	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	376873	1.11	439510	85.7	30 - 120	
45 Sc	1	878275	3.46	933106	94.1	30 - 120	
72 Ge	1	412887	0.17	470474	87.8	30 - 120	
115 In	1	1442342	1.59	1645880	87.6	30 - 120	
165 Ho	1	3376052	0.31	3654515	92.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\033SMPL.D\033SMPL.D#
Date Acquired: Aug 25 2011 10:08 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19386-a-2-e
Misc Info:
Vial Number: 2210
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	3.17	3.17	ppb	9.13	3600	
51 V	72	1	96.99	96.99	ppb	1.22	3600	
52 Cr	72	1	74.15	74.15	ppb	1.35	3600	
55 Mn	72	1	1,959.00	1959.00	ppb	1.15	18000	
59 Co	72	1	27.40	27.40	ppb	0.68	3600	
60 Ni	72	1	65.15	65.15	ppb	1.24	3600	
63 Cu	72	1	66.91	66.91	ppb	0.70	3600	
66 Zn	72	1	271.20	271.20	ppb	0.40	3600	
75 As	72	1	19.79	19.79	ppb	0.62	3600	
78 Se	72	1	2.97	2.97	ppb	11.40	3600	
95 Mo	72	1	1.86	1.86	ppb	1.42	3600	
107 Ag	115	1	0.65	0.65	ppb	4.26	3600	
111 Cd	115	1	5.30	5.30	ppb	5.41	3600	
118 Sn	115	1	1.02	1.02	ppb	6.76	3600	
121 Sb	115	1	0.13	0.13	ppb	1.52	3600	
137 Ba	115	1	778.00	778.00	ppb	1.46	3600	
205 Tl	165	1	0.90	0.90	ppb	1.18	3600	
208 Pb	165	1	55.95	55.95	ppb	0.92	3600	
232 Th	165	1	26.96	26.96	ppb	1.14	1000	
238 U	165	1	2.90	2.90	ppb	1.38	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	376158	1.01	439510	85.6	30 - 120	
45 Sc	1	871718	1.14	933106	93.4	30 - 120	
72 Ge	1	412333	0.37	470474	87.6	30 - 120	
115 In	1	1426410	0.38	1645880	86.7	30 - 120	
165 Ho	1	3345338	0.61	3654515	91.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\034AREF.D\034AREF.D#
Date Acquired: Aug 25 2011 10:11 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19386-a-3-m
Misc Info:
Vial Number: 2211
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	3.04	3.04	ppb	5.56	3600	
51 V	72	1	81.22	81.22	ppb	0.57	3600	
52 Cr	72	1	67.03	67.03	ppb	0.14	3600	
55 Mn	72	1	1,908.00	1908.00	ppb	2.02	18000	
59 Co	72	1	25.18	25.18	ppb	1.24	3600	
60 Ni	72	1	63.62	63.62	ppb	0.56	3600	
63 Cu	72	1	60.78	60.78	ppb	1.15	3600	
66 Zn	72	1	249.00	249.00	ppb	0.34	3600	
75 As	72	1	18.15	18.15	ppb	1.19	3600	
78 Se	72	1	3.31	3.31	ppb	44.08	3600	
95 Mo	72	1	1.61	1.61	ppb	1.20	3600	
107 Ag	115	1	0.68	0.68	ppb	4.03	3600	
111 Cd	115	1	4.87	4.87	ppb	6.66	3600	
118 Sn	115	1	0.67	0.67	ppb	5.12	3600	
121 Sb	115	1	0.14	0.14	ppb	5.74	3600	
137 Ba	115	1	729.30	729.30	ppb	0.30	3600	
205 Tl	165	1	0.81	0.81	ppb	1.63	3600	
208 Pb	165	1	55.33	55.33	ppb	1.33	3600	
232 Th	165	1	26.23	26.23	ppb	1.76	1000	
238 U	165	1	2.80	2.80	ppb	1.03	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	375413	0.39	439510	85.4	30 - 120	
45 Sc	1	867132	1.69	933106	92.9	30 - 120	
72 Ge	1	413269	0.25	470474	87.8	30 - 120	
115 In	1	1432116	0.79	1645880	87.0	30 - 120	
165 Ho	1	3378037	1.14	3654515	92.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\035SDIL.D\035SDIL.D#
Date Acquired: Aug 25 2011 10:14 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19386-a-3-m SD@5
Misc Info: SERIAL DILUTION
Vial Number: 2212
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SDIL
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG082511.B\034AREF.D\034AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	0.55	ppb	32.49	0.61	90.0	90 - 110	
51 V	72	1	15.96	ppb	1.16	16.24	98.3	90 - 110	
52 Cr	72	1	13.68	ppb	1.82	13.41	102.0	90 - 110	
55 Mn	72	1	396.30	ppb	1.90	381.60	103.9	90 - 110	
59 Co	72	1	5.17	ppb	0.26	5.04	102.6	90 - 110	
60 Ni	72	1	13.34	ppb	1.68	12.72	104.8	90 - 110	
63 Cu	72	1	13.09	ppb	1.60	12.16	107.7	90 - 110	
66 Zn	72	1	52.18	ppb	1.31	49.80	104.8	90 - 110	
75 As	72	1	3.69	ppb	4.26	3.63	101.5	90 - 110	
78 Se	72	1	0.32	ppb	89.88	0.66	48.5	90 - 110	
95 Mo	72	1	0.29	ppb	7.66	0.32	89.5	90 - 110	
107 Ag	115	1	0.14	ppb	2.05	0.14	104.9	90 - 110	
111 Cd	115	1	0.95	ppb	4.74	0.97	97.9	90 - 110	
118 Sn	115	1	0.14	ppb	18.61	0.13	102.4	90 - 110	
121 Sb	115	1	0.03	ppb	9.74	0.03	118.5	90 - 110	
137 Ba	115	1	139.20	ppb	1.29	145.86	95.4	90 - 110	
205 Tl	165	1	0.17	ppb	7.21	0.16	104.6	90 - 110	
208 Pb	165	1	11.54	ppb	0.80	11.07	104.3	90 - 110	
232 Th	165	1	5.35	ppb	1.43	5.25	101.9	90 - 110	
238 U	165	1	0.57	ppb	2.36	0.56	101.4	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	395973	0.78	439510	90.1	30 - 120	
45 Sc	1	884803	1.66	933106	94.8	30 - 120	
72 Ge	1	441518	0.54	470474	93.8	30 - 120	
115 In	1	1554724	1.14	1645880	94.5	30 - 120	
165 Ho	1	3592221	0.65	3654515	98.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\036PDS.D\036PDS.D#
Date Acquired: Aug 25 2011 10:17 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19386-a-3-m PDS
Misc Info: POST DIGESTION SPIKE
Vial Number: 2301
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: PDS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	207.00	3.04	ppb	1.05	200	102.0	75 - 125	
51 V	72	1	286.30	81.22	ppb	2.42	200	101.8	75 - 125	
52 Cr	72	1	267.10	67.03	ppb	1.65	200	100.0	75 - 125	
55 Mn	72	1	2091.00	1908.00	ppb	0.85	200	99.2	75 - 125	
59 Co	72	1	216.50	25.18	ppb	0.50	200	96.1	75 - 125	
60 Ni	72	1	247.10	63.62	ppb	0.43	200	93.7	75 - 125	
63 Cu	72	1	246.30	60.78	ppb	1.09	200	94.4	75 - 125	
66 Zn	72	1	430.90	249.00	ppb	1.08	200	96.0	75 - 125	
75 As	72	1	213.30	18.15	ppb	1.21	200	97.8	75 - 125	
78 Se	72	1	196.20	3.31	ppb	2.93	200	96.5	75 - 125	
95 Mo	72	1	204.70	1.61	ppb	1.21	200	101.5	75 - 125	
107 Ag	115	1	46.85	0.68	ppb	0.88	50	92.4	75 - 125	
111 Cd	115	1	198.00	4.86	ppb	0.59	200	96.6	75 - 125	
118 Sn	115	1	199.30	0.67	ppb	1.69	200	99.3	75 - 125	
121 Sb	115	1	198.20	0.14	ppb	0.56	200	99.0	75 - 125	
137 Ba	115	1	924.20	729.30	ppb	0.98	200	99.5	75 - 125	
205 Tl	165	1	200.90	0.81	ppb	1.90	200	100.0	75 - 125	
208 Pb	165	1	252.90	55.33	ppb	1.77	200	99.0	75 - 125	
232 Th	165	1	25.71	26.23	ppb	1.09	200	11.4	75 - 125	
238 U	165	1	216.20	2.80	ppb	2.80	200	106.6	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	370465	0.81	439510	84.3	30 - 120	
45 Sc	1	869170	0.55	933106	93.1	30 - 120	
72 Ge	1	409228	0.56	470474	87.0	30 - 120	
115 In	1	1437183	0.42	1645880	87.3	30 - 120	
165 Ho	1	3376433	1.20	3654515	92.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File:	C:\ICPCHEM\1\DATA\AG082511.B\037_MS.D\037_MS.D#
Date Acquired:	Aug 25 2011 10:20 pm
Acq. Method:	NormISIS.M
Operator:	LRD
Sample Name:	280-19386-a-3-n ms
Misc Info:	MATRIX SPIKE
Vial Number:	2302
Current Method:	C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File:	C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update:	Aug 25 2011 08:44 pm
Sample Type:	MS
Prep Dil. Factor:	1.00
Autodil Factor:	Undiluted
Final Dil Factor:	1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Spike Ref. File: ---

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	42.95	3.04	ppb	2.51	40	99.8	50 - 150	
51 V	72	1	136.80	81.22	ppb	2.80	40	112.9	50 - 150	
52 Cr	72	1	116.60	67.03	ppb	3.56	40	108.9	50 - 150	
55 Mn	72	1	2174.00	1908.00	ppb	2.30	40	111.6	50 - 150	
59 Co	72	1	63.71	25.18	ppb	1.59	40	97.7	50 - 150	
60 Ni	72	1	106.90	63.62	ppb	1.72	40	103.2	50 - 150	
63 Cu	72	1	103.70	60.78	ppb	1.18	40	102.9	50 - 150	
66 Zn	72	1	312.00	249.00	ppb	1.05	40	108.0	50 - 150	
75 As	72	1	56.31	18.15	ppb	1.20	40	96.8	50 - 150	
78 Se	72	1	35.20	3.31	ppb	5.31	40	81.3	50 - 150	
95 Mo	72	1	28.50	1.61	ppb	0.85	40	68.5	50 - 150	
107 Ag	115	1	34.35	0.68	ppb	1.35	40	84.4	50 - 150	
111 Cd	115	1	42.64	4.86	ppb	0.20	40	95.0	50 - 150	
118 Sn	115	1	10.99	0.67	ppb	1.28	40	27.0	50 - 150	
121 Sb	115	1	1.56	0.14	ppb	0.47	40	3.9	50 - 150	
137 Ba	115	1	852.70	729.30	ppb	0.83	40	110.8	50 - 150	
205 Tl	165	1	39.90	0.81	ppb	0.76	40	97.8	50 - 150	
208 Pb	165	1	101.00	55.33	ppb	0.93	40	105.9	50 - 150	
232 Th	165	1	71.89	26.23	ppb	2.23	40	108.5	50 - 150	
238 U	165	1	47.00	2.80	ppb	1.98	40	109.8	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	370846	1.62	439510	84.4	30 - 120	
45 Sc	1	870235	1.49	933106	93.3	30 - 120	
72 Ge	1	410579	0.76	470474	87.3	30 - 120	
115 In	1	1439640	1.32	1645880	87.5	30 - 120	
165 Ho	1	3312463	0.71	3654515	90.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\038_MSD.D\038_MSD.D#
Date Acquired: Aug 25 2011 10:23 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19386-a-3-o msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 2303
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG082511.B\037_MS.D\037_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	38.75	ppb	2.86	42.95	10.28	20	
51 V	72	1	137.90	ppb	3.51	136.80	0.80	20	
52 Cr	72	1	119.10	ppb	3.06	116.60	2.12	20	
55 Mn	72	1	2199.00	ppb	1.72	2174.00	1.14	20	
59 Co	72	1	60.72	ppb	0.81	63.71	4.81	20	
60 Ni	72	1	105.00	ppb	0.60	106.90	1.79	20	
63 Cu	72	1	99.87	ppb	0.54	103.70	3.76	20	
66 Zn	72	1	316.90	ppb	0.26	312.00	1.56	20	
75 As	72	1	53.17	ppb	0.68	56.31	5.74	20	
78 Se	72	1	32.92	ppb	7.06	35.20	6.69	20	
95 Mo	72	1	28.70	ppb	1.31	28.50	0.70	20	
107 Ag	115	1	30.76	ppb	1.68	34.35	11.03	20	
111 Cd	115	1	39.36	ppb	2.15	42.64	8.00	20	
118 Sn	115	1	11.23	ppb	3.27	10.99	2.16	20	
121 Sb	115	1	1.54	ppb	1.06	1.56	1.55	20	
137 Ba	115	1	871.20	ppb	1.17	852.70	2.15	20	
205 Tl	165	1	36.21	ppb	0.83	39.90	9.70	20	
208 Pb	165	1	97.86	ppb	0.73	101.00	3.16	20	
232 Th	165	1	68.53	ppb	1.34	71.89	4.79	20	
238 U	165	1	42.62	ppb	0.67	47.00	9.77	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	367176	0.76	439510	83.5	30 - 120	
45 Sc	1	878133	2.11	933106	94.1	30 - 120	
72 Ge	1	413631	0.20	470474	87.9	30 - 120	
115 In	1	1436359	1.39	1645880	87.3	30 - 120	
165 Ho	1	3319264	0.40	3654515	90.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\039_CCV.D\039_CCV.D#
Date Acquired: Aug 25 2011 10:26 pm
Operator: LRD
Sample Name: CCV-944128
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	49.66	ppb	1.62	50	99.3	90 - 110	
51 V	72	1	49.28	ppb	0.74	50	98.6	90 - 110	
52 Cr	72	1	48.75	ppb	0.27	50	97.5	90 - 110	
55 Mn	72	1	49.81	ppb	0.53	50	99.6	90 - 110	
59 Co	72	1	47.76	ppb	1.01	50	95.5	90 - 110	
60 Ni	72	1	49.47	ppb	1.20	50	98.9	90 - 110	
63 Cu	72	1	49.55	ppb	0.24	50	99.1	90 - 110	
66 Zn	72	1	49.21	ppb	0.24	50	98.4	90 - 110	
75 As	72	1	49.83	ppb	0.60	50	99.7	90 - 110	
78 Se	72	1	50.87	ppb	0.70	50	101.7	90 - 110	
95 Mo	72	1	49.98	ppb	0.53	50	100.0	90 - 110	
107 Ag	115	1	48.26	ppb	1.27	50	96.5	90 - 110	
111 Cd	115	1	48.60	ppb	0.79	50	97.2	90 - 110	
118 Sn	115	1	49.68	ppb	1.08	50	99.4	90 - 110	
121 Sb	115	1	49.35	ppb	0.26	50	98.7	90 - 110	
137 Ba	115	1	50.42	ppb	0.44	50	100.8	90 - 110	
205 Tl	165	1	52.53	ppb	1.19	50	105.1	90 - 110	
208 Pb	165	1	50.91	ppb	1.70	50	101.8	90 - 110	
232 Th	165	1	55.02	ppb	1.20	50	110.0	90 - 110	Fail
238 U	165	1	54.17	ppb	2.31	50	108.3	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	402407	1.43	439510	91.6	30 - 120	
45 Sc	1	906230	0.48	933106	97.1	30 - 120	
72 Ge	1	458428	0.27	470474	97.4	30 - 120	
115 In	1	1637317	0.34	1645880	99.5	30 - 120	
165 Ho	1	3682740	1.07	3654515	100.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\040_CCB.D\040_CCB.D#
Date Acquired: Aug 25 2011 10:28 pm
Operator: LRD
Sample Name: CCB-944134
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.006	ppb	173.20	1.00	
51 V	72	1	0.003	ppb	341.72	1.00	
52 Cr	72	1	0.012	ppb	24.82	1.00	
55 Mn	72	1	0.193	ppb	3.70	1.00	
59 Co	72	1	0.021	ppb	27.96	1.00	
60 Ni	72	1	0.016	ppb	152.82	1.00	
63 Cu	72	1	0.055	ppb	17.57	1.00	
66 Zn	72	1	0.128	ppb	17.19	1.00	
75 As	72	1	0.026	ppb	88.37	1.00	
78 Se	72	1	0.000	ppb	709360.00	1.00	
95 Mo	72	1	0.025	ppb	105.17	1.00	
107 Ag	115	1	0.018	ppb	27.06	1.00	
111 Cd	115	1	0.016	ppb	53.85	1.00	
118 Sn	115	1	0.039	ppb	14.29	1.00	
121 Sb	115	1	0.023	ppb	16.63	1.00	
137 Ba	115	1	0.078	ppb	20.79	1.00	
205 Tl	165	1	0.036	ppb	4.22	1.00	
208 Pb	165	1	0.032	ppb	7.00	1.00	
232 Th	165	1	0.034	ppb	5.28	1.00	
238 U	165	1	0.025	ppb	16.51	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	410019	1.09	439510	93.3	30 - 120	
45 Sc	1	928914	1.61	933106	99.6	30 - 120	
72 Ge	1	471553	0.46	470474	100.2	30 - 120	
115 In	1	1654029	0.96	1645880	100.5	30 - 120	
165 Ho	1	3684800	0.97	3654515	100.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\041WASH.D\041WASH.D#
Date Acquired: Aug 25 2011 10:31 pm
Operator: LRD
Sample Name: LLICV-944135
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.090 ppb	6.59	1.30	
51 V	72	1	4.940 ppb	1.52	6.50	
52 Cr	72	1	2.168 ppb	1.46	2.60	
55 Mn	72	1	1.178 ppb	5.45	1.30	
59 Co	72	1	1.025 ppb	8.19	1.30	
60 Ni	72	1	2.172 ppb	7.38	2.60	
63 Cu	72	1	2.048 ppb	1.25	2.60	
66 Zn	72	1	10.150 ppb	0.63	13.00	
75 As	72	1	5.135 ppb	1.23	6.50	
78 Se	72	1	5.049 ppb	16.42	6.50	
95 Mo	72	1	2.148 ppb	6.51	2.60	
107 Ag	115	1	4.980 ppb	3.42	6.50	
111 Cd	115	1	1.034 ppb	9.50	1.30	
118 Sn	115	1	10.140 ppb	2.39	13.00	
121 Sb	115	1	2.018 ppb	1.79	2.60	
137 Ba	115	1	1.076 ppb	5.00	1.30	
205 Tl	165	1	1.119 ppb	1.82	1.30	
208 Pb	165	1	1.097 ppb	2.37	1.30	
232 Th	165	1	2.317 ppb	1.96	2.60	
238 U	165	1	1.130 ppb	0.86	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	410655	0.66	439510	93.4	30 - 120	
45 Sc	1	933334	0.95	933106	100.0	30 - 120	
72 Ge	1	476198	0.44	470474	101.2	30 - 120	
115 In	1	1665158	1.95	1645880	101.2	30 - 120	
165 Ho	1	3732157	0.93	3654515	102.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\042SMPL.D\042SMPL.D#
Date Acquired: Aug 25 2011 10:34 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19386-a-4-e
Misc Info:
Vial Number: 2304
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	4.22	4.22	ppb	13.60	3600	
51 V	72	1	99.03	99.03	ppb	0.53	3600	
52 Cr	72	1	81.76	81.76	ppb	1.12	3600	
55 Mn	72	1	2,347.00	2347.00	ppb	1.02	18000	
59 Co	72	1	30.09	30.09	ppb	1.52	3600	
60 Ni	72	1	74.59	74.59	ppb	0.33	3600	
63 Cu	72	1	74.39	74.39	ppb	1.23	3600	
66 Zn	72	1	304.10	304.10	ppb	0.70	3600	
75 As	72	1	21.62	21.62	ppb	2.03	3600	
78 Se	72	1	3.82	3.82	ppb	3.82	3600	
95 Mo	72	1	2.14	2.14	ppb	1.05	3600	
107 Ag	115	1	0.87	0.87	ppb	2.69	3600	
111 Cd	115	1	5.85	5.85	ppb	2.14	3600	
118 Sn	115	1	1.01	1.01	ppb	4.21	3600	
121 Sb	115	1	0.14	0.14	ppb	11.09	3600	
137 Ba	115	1	897.40	897.40	ppb	0.88	3600	
205 Tl	165	1	1.04	1.04	ppb	0.59	3600	
208 Pb	165	1	67.07	67.07	ppb	1.82	3600	
232 Th	165	1	32.24	32.24	ppb	0.80	1000	
238 U	165	1	3.39	3.39	ppb	0.23	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	362202	0.31	439510	82.4	30 - 120	
45 Sc	1	888684	0.56	933106	95.2	30 - 120	
72 Ge	1	422744	0.38	470474	89.9	30 - 120	
115 In	1	1456489	0.85	1645880	88.5	30 - 120	
165 Ho	1	3351959	0.22	3654515	91.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\043SMPL.D\043SMPL.D#
Date Acquired: Aug 25 2011 10:37 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19386-a-5-e
Misc Info:
Vial Number: 2305
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	3.23	3.23	ppb	10.37	3600	
51 V	72	1	80.85	80.85	ppb	1.34	3600	
52 Cr	72	1	68.19	68.19	ppb	1.59	3600	
55 Mn	72	1	1,904.00	1904.00	ppb	1.56	18000	
59 Co	72	1	24.82	24.82	ppb	1.06	3600	
60 Ni	72	1	62.84	62.84	ppb	1.68	3600	
63 Cu	72	1	64.07	64.07	ppb	0.83	3600	
66 Zn	72	1	263.60	263.60	ppb	0.04	3600	
75 As	72	1	17.61	17.61	ppb	0.82	3600	
78 Se	72	1	3.34	3.34	ppb	28.23	3600	
95 Mo	72	1	1.63	1.63	ppb	4.12	3600	
107 Ag	115	1	0.68	0.68	ppb	4.84	3600	
111 Cd	115	1	4.27	4.27	ppb	3.63	3600	
118 Sn	115	1	0.63	0.63	ppb	5.95	3600	
121 Sb	115	1	0.13	0.13	ppb	7.23	3600	
137 Ba	115	1	714.80	714.80	ppb	0.77	3600	
205 Tl	165	1	0.82	0.82	ppb	1.41	3600	
208 Pb	165	1	52.28	52.28	ppb	1.05	3600	
232 Th	165	1	26.05	26.05	ppb	0.39	1000	
238 U	165	1	2.86	2.86	ppb	0.95	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	364750	0.37	439510	83.0	30 - 120	
45 Sc	1	881768	0.88	933106	94.5	30 - 120	
72 Ge	1	424179	0.34	470474	90.2	30 - 120	
115 In	1	1459007	0.40	1645880	88.6	30 - 120	
165 Ho	1	3405664	0.96	3654515	93.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\044SMPL.D\044SMPL.D#
Date Acquired: Aug 25 2011 10:40 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19386-a-6-e
Misc Info:
Vial Number: 2306
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	3.76	3.76	ppb	11.59	3600	
51 V	72	1	98.26	98.26	ppb	0.78	3600	
52 Cr	72	1	82.31	82.31	ppb	0.95	3600	
55 Mn	72	1	2,129.00	2129.00	ppb	1.26	18000	
59 Co	72	1	28.69	28.69	ppb	0.84	3600	
60 Ni	72	1	75.25	75.25	ppb	0.36	3600	
63 Cu	72	1	71.59	71.59	ppb	0.35	3600	
66 Zn	72	1	302.80	302.80	ppb	0.40	3600	
75 As	72	1	20.54	20.54	ppb	0.64	3600	
78 Se	72	1	3.43	3.43	ppb	24.71	3600	
95 Mo	72	1	2.08	2.08	ppb	7.83	3600	
107 Ag	115	1	0.83	0.83	ppb	5.74	3600	
111 Cd	115	1	4.74	4.74	ppb	5.24	3600	
118 Sn	115	1	0.74	0.74	ppb	2.50	3600	
121 Sb	115	1	0.18	0.18	ppb	7.22	3600	
137 Ba	115	1	768.90	768.90	ppb	1.19	3600	
205 Tl	165	1	1.02	1.02	ppb	2.00	3600	
208 Pb	165	1	62.97	62.97	ppb	0.25	3600	
232 Th	165	1	31.96	31.96	ppb	0.45	1000	
238 U	165	1	3.35	3.35	ppb	0.66	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	361559	0.59	439510	82.3	30 - 120	
45 Sc	1	880913	1.09	933106	94.4	30 - 120	
72 Ge	1	421414	0.29	470474	89.6	30 - 120	
115 In	1	1458808	0.42	1645880	88.6	30 - 120	
165 Ho	1	3348291	0.14	3654515	91.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\045SMPL.D\045SMPL.D#
Date Acquired: Aug 25 2011 10:43 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19386-a-7-e
Misc Info:
Vial Number: 2307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	3.56	3.56	ppb	1.95	3600	
51 V	72	1	86.55	86.55	ppb	0.31	3600	
52 Cr	72	1	75.88	75.88	ppb	0.60	3600	
55 Mn	72	1	2,350.00	2350.00	ppb	0.84	18000	
59 Co	72	1	29.57	29.57	ppb	0.92	3600	
60 Ni	72	1	72.76	72.76	ppb	1.17	3600	
63 Cu	72	1	69.61	69.61	ppb	1.02	3600	
66 Zn	72	1	293.80	293.80	ppb	0.44	3600	
75 As	72	1	21.11	21.11	ppb	1.08	3600	
78 Se	72	1	3.24	3.24	ppb	12.15	3600	
95 Mo	72	1	1.72	1.72	ppb	4.47	3600	
107 Ag	115	1	0.87	0.87	ppb	5.76	3600	
111 Cd	115	1	5.34	5.34	ppb	6.79	3600	
118 Sn	115	1	0.75	0.75	ppb	8.04	3600	
121 Sb	115	1	0.13	0.13	ppb	1.60	3600	
137 Ba	115	1	852.40	852.40	ppb	1.30	3600	
205 Tl	165	1	0.95	0.95	ppb	0.55	3600	
208 Pb	165	1	65.96	65.96	ppb	1.36	3600	
232 Th	165	1	31.67	31.67	ppb	1.20	1000	
238 U	165	1	3.21	3.21	ppb	1.99	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	360491	0.81	439510	82.0	30 - 120	
45 Sc	1	873814	2.03	933106	93.6	30 - 120	
72 Ge	1	418334	0.27	470474	88.9	30 - 120	
115 In	1	1436204	0.66	1645880	87.3	30 - 120	
165 Ho	1	3375902	0.91	3654515	92.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\046SMPL.D\046SMPL.D#
Date Acquired: Aug 25 2011 10:46 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19386-a-8-e
Misc Info:
Vial Number: 2308
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	3.60	3.60	ppb	2.21	3600	
51 V	72	1	86.45	86.45	ppb	0.90	3600	
52 Cr	72	1	71.52	71.52	ppb	0.86	3600	
55 Mn	72	1	2,072.00	2072.00	ppb	1.23	18000	
59 Co	72	1	26.73	26.73	ppb	0.69	3600	
60 Ni	72	1	66.55	66.55	ppb	0.78	3600	
63 Cu	72	1	63.68	63.68	ppb	0.87	3600	
66 Zn	72	1	276.20	276.20	ppb	1.12	3600	
75 As	72	1	18.98	18.98	ppb	0.72	3600	
78 Se	72	1	3.53	3.53	ppb	15.43	3600	
95 Mo	72	1	2.06	2.06	ppb	4.84	3600	
107 Ag	115	1	0.70	0.70	ppb	4.19	3600	
111 Cd	115	1	4.79	4.79	ppb	8.06	3600	
118 Sn	115	1	0.74	0.74	ppb	3.36	3600	
121 Sb	115	1	0.15	0.15	ppb	3.72	3600	
137 Ba	115	1	766.30	766.30	ppb	2.65	3600	
205 Tl	165	1	0.88	0.88	ppb	1.02	3600	
208 Pb	165	1	58.06	58.06	ppb	0.56	3600	
232 Th	165	1	29.19	29.19	ppb	1.27	1000	
238 U	165	1	2.98	2.98	ppb	1.20	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	359007	0.66	439510	81.7	30 - 120	
45 Sc	1	870477	1.70	933106	93.3	30 - 120	
72 Ge	1	419792	0.60	470474	89.2	30 - 120	
115 In	1	1454469	1.40	1645880	88.4	30 - 120	
165 Ho	1	3367382	0.76	3654515	92.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\047SMPL.D\047SMPL.D#
Date Acquired: Aug 25 2011 10:49 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19386-a-9-e
Misc Info:
Vial Number: 2309
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	4.02	4.02	ppb	6.38	3600	
51 V	72	1	90.07	90.07	ppb	1.26	3600	
52 Cr	72	1	77.38	77.38	ppb	1.13	3600	
55 Mn	72	1	2,067.00	2067.00	ppb	1.13	18000	
59 Co	72	1	28.72	28.72	ppb	0.97	3600	
60 Ni	72	1	76.96	76.96	ppb	0.47	3600	
63 Cu	72	1	71.76	71.76	ppb	0.86	3600	
66 Zn	72	1	270.90	270.90	ppb	0.64	3600	
75 As	72	1	21.75	21.75	ppb	2.10	3600	
78 Se	72	1	3.70	3.70	ppb	30.17	3600	
95 Mo	72	1	1.77	1.77	ppb	1.45	3600	
107 Ag	115	1	0.79	0.79	ppb	4.21	3600	
111 Cd	115	1	4.58	4.58	ppb	7.96	3600	
118 Sn	115	1	0.74	0.74	ppb	5.41	3600	
121 Sb	115	1	0.15	0.15	ppb	6.80	3600	
137 Ba	115	1	854.90	854.90	ppb	1.03	3600	
205 Tl	165	1	0.95	0.95	ppb	1.53	3600	
208 Pb	165	1	62.21	62.21	ppb	1.67	3600	
232 Th	165	1	31.25	31.25	ppb	2.03	1000	
238 U	165	1	3.10	3.10	ppb	1.02	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	354719	1.51	439510	80.7	30 - 120	
45 Sc	1	876625	2.35	933106	93.9	30 - 120	
72 Ge	1	415485	0.44	470474	88.3	30 - 120	
115 In	1	1435902	0.89	1645880	87.2	30 - 120	
165 Ho	1	3312872	1.41	3654515	90.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\048_CCV.D\048_CCV.D#
Date Acquired: Aug 25 2011 10:52 pm
Operator: LRD
Sample Name: CCV-944128
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	51.81	ppb	4.30	50	103.6	90 - 110	
51 V	72	1	48.67	ppb	1.55	50	97.3	90 - 110	
52 Cr	72	1	48.46	ppb	1.02	50	96.9	90 - 110	
55 Mn	72	1	49.80	ppb	0.26	50	99.6	90 - 110	
59 Co	72	1	48.17	ppb	1.91	50	96.3	90 - 110	
60 Ni	72	1	49.62	ppb	1.00	50	99.2	90 - 110	
63 Cu	72	1	50.10	ppb	0.58	50	100.2	90 - 110	
66 Zn	72	1	49.24	ppb	0.95	50	98.5	90 - 110	
75 As	72	1	50.62	ppb	0.17	50	101.2	90 - 110	
78 Se	72	1	52.68	ppb	4.70	50	105.4	90 - 110	
95 Mo	72	1	50.56	ppb	1.13	50	101.1	90 - 110	
107 Ag	115	1	48.95	ppb	0.46	50	97.9	90 - 110	
111 Cd	115	1	49.12	ppb	1.90	50	98.2	90 - 110	
118 Sn	115	1	50.12	ppb	1.24	50	100.2	90 - 110	
121 Sb	115	1	49.66	ppb	1.07	50	99.3	90 - 110	
137 Ba	115	1	50.86	ppb	0.53	50	101.7	90 - 110	
205 Tl	165	1	51.34	ppb	1.78	50	102.7	90 - 110	
208 Pb	165	1	50.82	ppb	1.17	50	101.6	90 - 110	
232 Th	165	1	54.62	ppb	1.14	50	109.2	90 - 110	
238 U	165	1	54.68	ppb	1.98	50	109.4	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	389104	0.94	439510	88.5	30 - 120	
45 Sc	1	912271	2.15	933106	97.8	30 - 120	
72 Ge	1	459556	0.33	470474	97.7	30 - 120	
115 In	1	1629855	0.84	1645880	99.0	30 - 120	
165 Ho	1	3659995	1.14	3654515	100.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\049_CCB.D\049_CCB.D#
Date Acquired: Aug 25 2011 10:55 pm
Operator: LRD
Sample Name: CCB-944134
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.006	ppb	173.16	1.00	
51 V	72	1	0.026	ppb	87.16	1.00	
52 Cr	72	1	0.023	ppb	146.68	1.00	
55 Mn	72	1	0.259	ppb	2.16	1.00	
59 Co	72	1	0.016	ppb	12.87	1.00	
60 Ni	72	1	0.039	ppb	10.14	1.00	
63 Cu	72	1	0.042	ppb	15.32	1.00	
66 Zn	72	1	0.086	ppb	9.06	1.00	
75 As	72	1	0.015	ppb	112.43	1.00	
78 Se	72	1	0.104	ppb	47.95	1.00	
95 Mo	72	1	0.008	ppb	124.90	1.00	
107 Ag	115	1	0.023	ppb	14.55	1.00	
111 Cd	115	1	0.016	ppb	72.78	1.00	
118 Sn	115	1	0.044	ppb	19.79	1.00	
121 Sb	115	1	0.022	ppb	34.80	1.00	
137 Ba	115	1	0.110	ppb	7.47	1.00	
205 Tl	165	1	0.036	ppb	11.21	1.00	
208 Pb	165	1	0.030	ppb	5.70	1.00	
232 Th	165	1	0.029	ppb	8.77	1.00	
238 U	165	1	0.019	ppb	15.74	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	398006	0.78	439510	90.6	30 - 120	
45 Sc	1	915678	0.94	933106	98.1	30 - 120	
72 Ge	1	478035	0.61	470474	101.6	30 - 120	
115 In	1	1660495	1.01	1645880	100.9	30 - 120	
165 Ho	1	3694497	0.71	3654515	101.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\050WASH.D\050WASH.D#
Date Acquired: Aug 25 2011 10:58 pm
Operator: LRD
Sample Name: LLICV-944135
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.129 ppb	13.22	1.30	
51 V	72	1	4.900 ppb	1.21	6.50	
52 Cr	72	1	2.169 ppb	1.88	2.60	
55 Mn	72	1	1.278 ppb	1.40	1.30	
59 Co	72	1	1.029 ppb	2.92	1.30	
60 Ni	72	1	2.124 ppb	2.91	2.60	
63 Cu	72	1	2.066 ppb	4.52	2.60	
66 Zn	72	1	10.030 ppb	1.47	13.00	
75 As	72	1	5.088 ppb	1.47	6.50	
78 Se	72	1	5.032 ppb	12.40	6.50	
95 Mo	72	1	2.012 ppb	3.05	2.60	
107 Ag	115	1	4.989 ppb	2.01	6.50	
111 Cd	115	1	1.016 ppb	6.30	1.30	
118 Sn	115	1	10.260 ppb	1.28	13.00	
121 Sb	115	1	2.031 ppb	2.37	2.60	
137 Ba	115	1	1.130 ppb	3.02	1.30	
205 Tl	165	1	1.114 ppb	1.23	1.30	
208 Pb	165	1	1.097 ppb	1.42	1.30	
232 Th	165	1	2.321 ppb	1.51	2.60	
238 U	165	1	1.125 ppb	1.03	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	400442	0.53	439510	91.1	30 - 120	
45 Sc	1	939801	1.43	933106	100.7	30 - 120	
72 Ge	1	480181	0.44	470474	102.1	30 - 120	
115 In	1	1677043	0.21	1645880	101.9	30 - 120	
165 Ho	1	3685344	1.25	3654515	100.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\051_BLK.D\051_BLK.D#
Date Acquired: Aug 25 2011 11:01 pm
Operator: LRD
Sample Name: mb 280-82831/1-a
Misc Info: BLANK 82831 SOIL BOEING
Vial Number: 2310
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.006 ppb	173.24	2.00	
51 V	72	1	0.006 ppb	476.25	2.00	
52 Cr	72	1	0.105 ppb	21.52	2.00	
55 Mn	72	1	0.298 ppb	16.59	2.00	
59 Co	72	1	0.010 ppb	16.58	2.00	
60 Ni	72	1	0.093 ppb	39.11	2.00	
63 Cu	72	1	0.149 ppb	10.11	2.00	
66 Zn	72	1	1.238 ppb	1.94	2.00	
75 As	72	1	-0.003 ppb	264.10	2.00	
78 Se	72	1	0.018 ppb	265.25	2.00	
95 Mo	72	1	0.017 ppb	66.61	2.00	
107 Ag	115	1	0.006 ppb	31.79	2.00	
111 Cd	115	1	0.017 ppb	38.49	2.00	
118 Sn	115	1	0.096 ppb	11.30	2.00	
121 Sb	115	1	0.008 ppb	47.92	2.00	
137 Ba	115	1	0.148 ppb	9.98	2.00	
205 Tl	165	1	0.024 ppb	9.49	2.00	
208 Pb	165	1	0.078 ppb	1.61	2.00	
232 Th	165	1	0.017 ppb	10.20	2.00	
238 U	165	1	0.017 ppb	6.03	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	402620	0.25	439510	91.6	30 - 120	
45 Sc	1	953571	1.05	933106	102.2	30 - 120	
72 Ge	1	482927	0.26	470474	102.6	30 - 120	
115 In	1	1683062	2.01	1645880	102.3	30 - 120	
165 Ho	1	3721812	0.25	3654515	101.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\052_LCS.D\052_LCS.D#
Date Acquired: Aug 25 2011 11:04 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: lcs 280-82831/2-a
Misc Info: LCS
Vial Number: 2311
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	42.36	2.88	40	105.9	80 - 120	
51 V	72	1	41.55	0.81	40	103.9	80 - 120	
52 Cr	72	1	41.59	0.45	40	104.0	80 - 120	
55 Mn	72	1	42.31	0.60	40	105.8	80 - 120	
59 Co	72	1	40.52	0.78	40	101.3	80 - 120	
60 Ni	72	1	42.22	0.81	40	105.6	80 - 120	
63 Cu	72	1	42.58	1.37	40	106.5	80 - 120	
66 Zn	72	1	40.51	0.76	40	101.3	80 - 120	
75 As	72	1	41.57	1.06	40	103.9	80 - 120	
78 Se	72	1	41.58	4.85	40	104.0	80 - 120	
95 Mo	72	1	41.21	1.09	40	103.0	80 - 120	
107 Ag	115	1	40.69	1.11	40	101.7	80 - 120	
111 Cd	115	1	40.12	0.63	40	100.3	80 - 120	
118 Sn	115	1	40.09	1.01	40	100.2	80 - 120	
121 Sb	115	1	39.78	0.90	40	99.5	80 - 120	
137 Ba	115	1	41.99	0.60	40	105.0	80 - 120	
205 Tl	165	1	43.92	2.23	40	109.8	80 - 120	
208 Pb	165	1	43.29	2.06	40	108.2	80 - 120	
232 Th	165	1	44.09	1.48	40	110.2	80 - 120	
238 U	165	1	45.75	1.31	40	114.4	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	397413	0.45	439510	90.4	30 - 120	
45 Sc	1	936919	0.79	933106	100.4	30 - 120	
72 Ge	1	473147	0.94	470474	100.6	30 - 120	
115 In	1	1686961	0.79	1645880	102.5	30 - 120	
165 Ho	1	3699691	1.42	3654515	101.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Labratory Control Spike Duplicate Sample (LCSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\053LCSD.D\053LCSD.D#
Date Acquired: Aug 25 2011 11:06 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: lcsd 280-82831/3-a
Misc Info: LCSD
Vial Number: 2312
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: LCSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG082511.B\052_LCS.D\052_LCS.D#

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	Ref Conc	(%)Dif	Max(%)Dif	Flag
9 Be	6	1	44.37 ppb	2.62	42.36	4.64	2000	
51 V	72	1	43.59 ppb	0.68	41.55	4.79	2000	
52 Cr	72	1	44.29 ppb	0.90	41.59	6.29	2000	
55 Mn	72	1	44.93 ppb	1.34	42.31	6.01	2000	
59 Co	72	1	43.04 ppb	1.33	40.52	6.03	2000	
60 Ni	72	1	44.51 ppb	1.35	42.22	5.28	2000	
63 Cu	72	1	45.30 ppb	1.11	42.58	6.19	2000	
66 Zn	72	1	42.53 ppb	0.97	40.51	4.87	2000	
75 As	72	1	44.09 ppb	1.03	41.57	5.88	2000	
78 Se	72	1	44.45 ppb	5.34	41.58	6.67	2000	
95 Mo	72	1	43.55 ppb	1.15	41.21	5.52	2000	
107 Ag	115	1	43.32 ppb	2.67	40.69	6.26	2000	
111 Cd	115	1	43.02 ppb	1.59	40.12	6.98	2000	
118 Sn	115	1	42.55 ppb	0.26	40.09	5.95	2000	
121 Sb	115	1	42.04 ppb	0.49	39.78	5.52	2000	
137 Ba	115	1	44.88 ppb	1.68	41.99	6.65	2000	
205 Tl	165	1	46.23 ppb	0.78	43.92	5.12	2000	
208 Pb	165	1	45.73 ppb	0.21	43.29	5.48	2000	
232 Th	165	1	46.82 ppb	0.37	44.09	6.01	2000	
238 U	165	1	48.27 ppb	1.92	45.75	5.36	2000	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	396816	0.84	439510	90.3	30 - 120	
45 Sc	1	941109	0.58	933106	100.9	30 - 120	
72 Ge	1	468393	0.64	470474	99.6	30 - 120	
115 In	1	1653995	0.93	1645880	100.5	30 - 120	
165 Ho	1	3667748	0.37	3654515	100.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\054SMPL.D\054SMPL.D#
Date Acquired: Aug 25 2011 11:09 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19413-a-3-h
Misc Info:
Vial Number: 2401
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.01	1.01	ppb	7.88	3600	
51 V	72	1	67.96	67.96	ppb	1.32	3600	
52 Cr	72	1	38.48	38.48	ppb	2.03	3600	
55 Mn	72	1	336.20	336.20	ppb	2.13	18000	
59 Co	72	1	7.85	7.85	ppb	0.61	3600	
60 Ni	72	1	22.50	22.50	ppb	0.86	3600	
63 Cu	72	1	19.49	19.49	ppb	1.28	3600	
66 Zn	72	1	1,752.00	1752.00	ppb	0.99	3600	
75 As	72	1	27.26	27.26	ppb	2.08	3600	
78 Se	72	1	1.71	1.71	ppb	21.45	3600	
95 Mo	72	1	1.25	1.25	ppb	2.80	3600	
107 Ag	115	1	0.20	0.20	ppb	2.53	3600	
111 Cd	115	1	1.73	1.73	ppb	7.03	3600	
118 Sn	115	1	0.92	0.92	ppb	2.53	3600	
121 Sb	115	1	0.06	0.06	ppb	10.97	3600	
137 Ba	115	1	65.32	65.32	ppb	0.56	3600	
205 Tl	165	1	0.72	0.72	ppb	3.44	3600	
208 Pb	165	1	40.74	40.74	ppb	0.42	3600	
232 Th	165	1	19.68	19.68	ppb	0.47	1000	
238 U	165	1	6.08	6.08	ppb	0.70	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	386612	0.78	439510	88.0	30 - 120	
45 Sc	1	941201	1.27	933106	100.9	30 - 120	
72 Ge	1	461212	0.89	470474	98.0	30 - 120	
115 In	1	1564709	1.22	1645880	95.1	30 - 120	
165 Ho	1	3556002	0.25	3654515	97.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\055SDIL.D\055SDIL.D#
Date Acquired: Aug 25 2011 11:12 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19413-a-3-h SD@5
Misc Info: SERIAL DILUTION
Vial Number: 2402
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SDIL
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG082511.B\034AREF.D\034AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	0.21	ppb	8.82	0.61	34.9	90 - 110	
51 V	72	1	14.05	ppb	1.35	16.24	86.5	90 - 110	
52 Cr	72	1	7.99	ppb	1.05	13.41	59.6	90 - 110	
55 Mn	72	1	68.00	ppb	0.41	381.60	17.8	90 - 110	
59 Co	72	1	1.65	ppb	1.43	5.04	32.8	90 - 110	
60 Ni	72	1	4.66	ppb	1.06	12.72	36.6	90 - 110	
63 Cu	72	1	4.20	ppb	0.58	12.16	34.5	90 - 110	
66 Zn	72	1	367.30	ppb	0.63	49.80	737.6	90 - 110	
75 As	72	1	5.71	ppb	1.24	3.63	157.2	90 - 110	
78 Se	72	1	0.52	ppb	71.94	0.66	78.3	90 - 110	
95 Mo	72	1	0.26	ppb	24.71	0.32	80.2	90 - 110	
107 Ag	115	1	0.04	ppb	21.31	0.14	32.7	90 - 110	
111 Cd	115	1	0.32	ppb	17.72	0.97	32.9	90 - 110	
118 Sn	115	1	0.21	ppb	12.60	0.13	157.8	90 - 110	
121 Sb	115	1	0.02	ppb	32.72	0.03	68.1	90 - 110	
137 Ba	115	1	13.29	ppb	2.00	145.86	9.1	90 - 110	
205 Tl	165	1	0.15	ppb	3.35	0.16	95.3	90 - 110	
208 Pb	165	1	8.36	ppb	1.16	11.07	75.5	90 - 110	
232 Th	165	1	3.98	ppb	0.56	5.25	75.8	90 - 110	
238 U	165	1	1.22	ppb	0.49	0.56	217.8	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	404374	0.51	439510	92.0	30 - 120	
45 Sc	1	945803	1.13	933106	101.4	30 - 120	
72 Ge	1	475756	0.19	470474	101.1	30 - 120	
115 In	1	1653401	0.87	1645880	100.5	30 - 120	
165 Ho	1	3698596	0.80	3654515	101.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File:	C:\ICPCHEM\1\DATA\AG082511.B\056PDS.D\056PDS.D#
Date Acquired:	Aug 25 2011 11:15 pm
Acq. Method:	NormISIS.M
Operator:	LRD
Sample Name:	280-19413-a-3-h PDS
Misc Info:	POST DIGESTION SPIKE
Vial Number:	2403
Current Method:	C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File:	C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update:	Aug 25 2011 08:44 pm
Sample Type:	PDS
Prep Dil. Factor:	1.00
Autodil Factor:	Undiluted
Final Dil Factor:	1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Spike Ref. File: ---

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	206.50	3.04	ppb	1.67	200	101.7	75 - 125	
51 V	72	1	269.30	81.22	ppb	1.22	200	95.8	75 - 125	
52 Cr	72	1	237.80	67.03	ppb	2.33	200	89.1	75 - 125	
55 Mn	72	1	525.00	1908.00	ppb	1.23	200	24.9	75 - 125	
59 Co	72	1	199.50	25.18	ppb	0.68	200	88.6	75 - 125	
60 Ni	72	1	207.40	63.62	ppb	0.61	200	78.7	75 - 125	
63 Cu	72	1	207.50	60.78	ppb	0.27	200	79.6	75 - 125	
66 Zn	72	1	1908.00	249.00	ppb	1.32	200	424.9	75 - 125	
75 As	72	1	220.70	18.15	ppb	0.64	200	101.2	75 - 125	
78 Se	72	1	196.20	3.31	ppb	2.32	200	96.5	75 - 125	
95 Mo	72	1	201.10	1.61	ppb	1.92	200	99.7	75 - 125	
107 Ag	115	1	48.34	0.68	ppb	0.74	50	95.4	75 - 125	
111 Cd	115	1	198.20	4.86	ppb	1.05	200	96.7	75 - 125	
118 Sn	115	1	202.10	0.67	ppb	1.53	200	100.7	75 - 125	
121 Sb	115	1	201.90	0.14	ppb	2.06	200	100.9	75 - 125	
137 Ba	115	1	269.60	729.30	ppb	0.80	200	29.0	75 - 125	
205 Tl	165	1	200.90	0.81	ppb	1.32	200	100.0	75 - 125	
208 Pb	165	1	241.50	55.33	ppb	1.45	200	94.6	75 - 125	
232 Th	165	1	19.27	26.23	ppb	1.09	200	8.5	75 - 125	
238 U	165	1	217.20	2.80	ppb	2.87	200	107.1	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	382864	1.61	439510	87.1	30 - 120	
45 Sc	1	921225	1.63	933106	98.7	30 - 120	
72 Ge	1	447748	0.93	470474	95.2	30 - 120	
115 In	1	1530170	1.24	1645880	93.0	30 - 120	
165 Ho	1	3518592	1.25	3654515	96.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\057_CCV.D\057_CCV.D#
Date Acquired: Aug 25 2011 11:18 pm
Operator: LRD
Sample Name: CCV-944128
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	50.53	ppb	1.49	50	101.1	90 - 110	
51 V	72	1	49.01	ppb	0.50	50	98.0	90 - 110	
52 Cr	72	1	48.98	ppb	1.29	50	98.0	90 - 110	
55 Mn	72	1	49.84	ppb	0.39	50	99.7	90 - 110	
59 Co	72	1	48.09	ppb	0.29	50	96.2	90 - 110	
60 Ni	72	1	49.48	ppb	0.87	50	99.0	90 - 110	
63 Cu	72	1	49.71	ppb	1.73	50	99.4	90 - 110	
66 Zn	72	1	49.45	ppb	1.16	50	98.9	90 - 110	
75 As	72	1	50.16	ppb	1.25	50	100.3	90 - 110	
78 Se	72	1	50.74	ppb	4.67	50	101.5	90 - 110	
95 Mo	72	1	50.37	ppb	0.77	50	100.7	90 - 110	
107 Ag	115	1	48.80	ppb	0.28	50	97.6	90 - 110	
111 Cd	115	1	49.30	ppb	1.43	50	98.6	90 - 110	
118 Sn	115	1	49.85	ppb	0.87	50	99.7	90 - 110	
121 Sb	115	1	49.52	ppb	0.28	50	99.0	90 - 110	
137 Ba	115	1	50.18	ppb	0.15	50	100.4	90 - 110	
205 Tl	165	1	52.78	ppb	1.34	50	105.6	90 - 110	
208 Pb	165	1	51.38	ppb	0.66	50	102.8	90 - 110	
232 Th	165	1	54.33	ppb	2.30	50	108.7	90 - 110	
238 U	165	1	53.26	ppb	0.95	50	106.5	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	397225	0.98	439510	90.4	30 - 120	
45 Sc	1	933283	0.57	933106	100.0	30 - 120	
72 Ge	1	470167	0.60	470474	99.9	30 - 120	
115 In	1	1652750	0.28	1645880	100.4	30 - 120	
165 Ho	1	3661843	0.42	3654515	100.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\058_CCB.D\058_CCB.D#
Date Acquired: Aug 25 2011 11:21 pm
Operator: LRD
Sample Name: CCB-944134
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.024	ppb	44.68	1.00	
51 V	72	1	0.030	ppb	32.50	1.00	
52 Cr	72	1	0.027	ppb	61.74	1.00	
55 Mn	72	1	0.168	ppb	2.74	1.00	
59 Co	72	1	0.020	ppb	35.69	1.00	
60 Ni	72	1	0.026	ppb	31.36	1.00	
63 Cu	72	1	0.040	ppb	2.55	1.00	
66 Zn	72	1	0.170	ppb	24.72	1.00	
75 As	72	1	0.026	ppb	70.64	1.00	
78 Se	72	1	-0.199	ppb	81.62	1.00	
95 Mo	72	1	0.033	ppb	54.41	1.00	
107 Ag	115	1	0.029	ppb	28.05	1.00	
111 Cd	115	1	0.018	ppb	18.86	1.00	
118 Sn	115	1	0.037	ppb	10.93	1.00	
121 Sb	115	1	0.031	ppb	14.47	1.00	
137 Ba	115	1	0.074	ppb	11.36	1.00	
205 Tl	165	1	0.045	ppb	15.11	1.00	
208 Pb	165	1	0.033	ppb	14.14	1.00	
232 Th	165	1	0.031	ppb	18.64	1.00	
238 U	165	1	0.028	ppb	6.21	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	405098	1.44	439510	92.2	30 - 120	
45 Sc	1	943039	1.43	933106	101.1	30 - 120	
72 Ge	1	485886	0.65	470474	103.3	30 - 120	
115 In	1	1678325	0.25	1645880	102.0	30 - 120	
165 Ho	1	3704734	0.78	3654515	101.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\059_BLK.D\059_BLK.D#
Date Acquired: Aug 25 2011 11:24 pm
Operator: LRD
Sample Name: mb 280-82829/1-a
Misc Info: BLANK 82829 SOIL DODV3
Vial Number: 2404
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.017 ppb	99.71	2.00	
51 V	72	1	0.005 ppb	259.11	2.00	
52 Cr	72	1	0.127 ppb	2.65	2.00	
55 Mn	72	1	0.225 ppb	12.85	2.00	
59 Co	72	1	0.024 ppb	7.45	2.00	
60 Ni	72	1	0.100 ppb	30.43	2.00	
63 Cu	72	1	0.138 ppb	7.65	2.00	
66 Zn	72	1	0.677 ppb	6.04	2.00	
75 As	72	1	0.019 ppb	49.41	2.00	
78 Se	72	1	-0.011 ppb	1482.40	2.00	
95 Mo	72	1	0.009 ppb	153.95	2.00	
107 Ag	115	1	0.017 ppb	99.28	2.00	
111 Cd	115	1	0.011 ppb	31.00	2.00	
118 Sn	115	1	0.080 ppb	25.19	2.00	
121 Sb	115	1	0.016 ppb	14.49	2.00	
137 Ba	115	1	0.137 ppb	7.70	2.00	
205 Tl	165	1	0.032 ppb	9.67	2.00	
208 Pb	165	1	0.049 ppb	4.64	2.00	
232 Th	165	1	0.015 ppb	4.98	2.00	
238 U	165	1	0.020 ppb	1.79	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	411024	0.48	439510	93.5	30 - 120	
45 Sc	1	958933	1.33	933106	102.8	30 - 120	
72 Ge	1	485710	0.08	470474	103.2	30 - 120	
115 In	1	1684761	0.76	1645880	102.4	30 - 120	
165 Ho	1	3757996	1.08	3654515	102.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\060_LCS.D\060_LCS.D#
Date Acquired: Aug 25 2011 11:27 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: lcs 280-82829/2-a
Misc Info: LCS
Vial Number: 2405
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	38.76	2.79	40	96.9	80 - 120	
51 V	72	1	39.32	1.78	40	98.3	80 - 120	
52 Cr	72	1	39.34	1.69	40	98.4	80 - 120	
55 Mn	72	1	39.90	1.18	40	99.8	80 - 120	
59 Co	72	1	38.24	1.85	40	95.6	80 - 120	
60 Ni	72	1	39.92	0.25	40	99.8	80 - 120	
63 Cu	72	1	40.32	1.44	40	100.8	80 - 120	
66 Zn	72	1	38.34	0.29	40	95.9	80 - 120	
75 As	72	1	38.88	0.63	40	97.2	80 - 120	
78 Se	72	1	37.22	5.66	40	93.1	80 - 120	
95 Mo	72	1	40.54	0.73	40	101.4	80 - 120	
107 Ag	115	1	38.87	1.69	40	97.2	80 - 120	
111 Cd	115	1	38.70	2.23	40	96.8	80 - 120	
118 Sn	115	1	38.81	2.82	40	97.0	80 - 120	
121 Sb	115	1	38.60	1.93	40	96.5	80 - 120	
137 Ba	115	1	39.77	1.09	40	99.4	80 - 120	
205 Tl	165	1	40.93	0.73	40	102.3	80 - 120	
208 Pb	165	1	40.05	0.73	40	100.1	80 - 120	
232 Th	165	1	41.30	0.99	40	103.3	80 - 120	
238 U	165	1	42.11	0.68	40	105.3	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	408063	0.37	439510	92.8	30 - 120	
45 Sc	1	959665	1.23	933106	102.8	30 - 120	
72 Ge	1	479162	0.74	470474	101.8	30 - 120	
115 In	1	1687980	1.75	1645880	102.6	30 - 120	
165 Ho	1	3748680	0.84	3654515	102.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\061SMPL.D\061SMPL.D#
Date Acquired: Aug 25 2011 11:30 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19387-b-1-f
Misc Info:
Vial Number: 2406
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	3.02	3.02	ppb	10.13	3600	
51 V	72	1	66.56	66.56	ppb	1.45	3600	
52 Cr	72	1	57.09	57.09	ppb	1.26	3600	
55 Mn	72	1	1,261.00	1261.00	ppb	1.27	18000	
59 Co	72	1	19.57	19.57	ppb	0.85	3600	
60 Ni	72	1	52.35	52.35	ppb	0.25	3600	
63 Cu	72	1	57.65	57.65	ppb	0.51	3600	
66 Zn	72	1	250.40	250.40	ppb	0.86	3600	
75 As	72	1	14.85	14.85	ppb	2.13	3600	
78 Se	72	1	2.33	2.33	ppb	30.06	3600	
95 Mo	72	1	1.06	1.06	ppb	0.45	3600	
107 Ag	115	1	0.69	0.69	ppb	5.27	3600	
111 Cd	115	1	4.27	4.27	ppb	8.29	3600	
118 Sn	115	1	0.73	0.73	ppb	6.12	3600	
121 Sb	115	1	0.09	0.09	ppb	1.43	3600	
137 Ba	115	1	571.60	571.60	ppb	2.12	3600	
205 Tl	165	1	0.90	0.90	ppb	0.34	3600	
208 Pb	165	1	48.19	48.19	ppb	0.92	3600	
232 Th	165	1	20.99	20.99	ppb	1.62	1000	
238 U	165	1	2.03	2.03	ppb	0.70	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	358654	0.97	439510	81.6	30 - 120	
45 Sc	1	896818	0.81	933106	96.1	30 - 120	
72 Ge	1	432587	0.65	470474	91.9	30 - 120	
115 In	1	1481958	0.69	1645880	90.0	30 - 120	
165 Ho	1	3387903	0.82	3654515	92.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\062SMPL.D\062SMPL.D#
Date Acquired: Aug 25 2011 11:33 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19387-b-2-h
Misc Info:
Vial Number: 2407
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	3.28	3.28	ppb	5.15	3600	
51 V	72	1	68.89	68.89	ppb	1.12	3600	
52 Cr	72	1	57.67	57.67	ppb	1.32	3600	
55 Mn	72	1	1,315.00	1315.00	ppb	1.99	18000	
59 Co	72	1	19.96	19.96	ppb	0.98	3600	
60 Ni	72	1	52.68	52.68	ppb	1.49	3600	
63 Cu	72	1	56.70	56.70	ppb	0.22	3600	
66 Zn	72	1	249.90	249.90	ppb	0.73	3600	
75 As	72	1	14.63	14.63	ppb	0.22	3600	
78 Se	72	1	2.57	2.57	ppb	27.71	3600	
95 Mo	72	1	0.98	0.98	ppb	10.55	3600	
107 Ag	115	1	0.67	0.67	ppb	2.81	3600	
111 Cd	115	1	4.12	4.12	ppb	4.38	3600	
118 Sn	115	1	0.77	0.77	ppb	2.79	3600	
121 Sb	115	1	0.08	0.08	ppb	3.20	3600	
137 Ba	115	1	591.90	591.90	ppb	2.46	3600	
205 Tl	165	1	0.84	0.84	ppb	1.28	3600	
208 Pb	165	1	47.24	47.24	ppb	0.74	3600	
232 Th	165	1	20.75	20.75	ppb	0.58	1000	
238 U	165	1	2.10	2.10	ppb	0.36	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	359731	0.77	439510	81.8	30 - 120	
45 Sc	1	894322	0.95	933106	95.8	30 - 120	
72 Ge	1	432230	0.54	470474	91.9	30 - 120	
115 In	1	1468411	0.97	1645880	89.2	30 - 120	
165 Ho	1	3401004	0.50	3654515	93.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\063AREF.D\063AREF.D#
Date Acquired: Aug 25 2011 11:35 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19387-e-3-l
Misc Info:
Vial Number: 2408
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	2.14	2.14	ppb	9.54	3600	
51 V	72	1	52.79	52.79	ppb	1.42	3600	
52 Cr	72	1	42.94	42.94	ppb	2.44	3600	
55 Mn	72	1	1,140.00	1140.00	ppb	1.87	18000	
59 Co	72	1	15.28	15.28	ppb	1.12	3600	
60 Ni	72	1	40.28	40.28	ppb	2.11	3600	
63 Cu	72	1	41.74	41.74	ppb	0.43	3600	
66 Zn	72	1	160.90	160.90	ppb	1.12	3600	
75 As	72	1	12.21	12.21	ppb	2.39	3600	
78 Se	72	1	1.93	1.93	ppb	18.83	3600	
95 Mo	72	1	1.02	1.02	ppb	7.22	3600	
107 Ag	115	1	0.49	0.49	ppb	5.84	3600	
111 Cd	115	1	2.85	2.85	ppb	11.05	3600	
118 Sn	115	1	0.53	0.53	ppb	6.70	3600	
121 Sb	115	1	0.10	0.10	ppb	5.67	3600	
137 Ba	115	1	427.70	427.70	ppb	1.08	3600	
205 Tl	165	1	0.56	0.56	ppb	1.27	3600	
208 Pb	165	1	36.71	36.71	ppb	0.67	3600	
232 Th	165	1	16.47	16.47	ppb	1.26	1000	
238 U	165	1	1.56	1.56	ppb	0.55	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	368822	0.43	439510	83.9	30 - 120	
45 Sc	1	896601	1.11	933106	96.1	30 - 120	
72 Ge	1	439710	1.08	470474	93.5	30 - 120	
115 In	1	1525763	1.25	1645880	92.7	30 - 120	
165 Ho	1	3459082	0.87	3654515	94.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\064SDIL.D\064SDIL.D#
Date Acquired: Aug 25 2011 11:38 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19387-e-3-l SD@5
Misc Info: SERIAL DILUTION
Vial Number: 2409
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SDIL
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG082511.B\063AREF.D\063AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	0.39	ppb	9.60	0.43	91.1	90 - 110	
51 V	72	1	10.53	ppb	2.39	10.56	99.7	90 - 110	
52 Cr	72	1	8.55	ppb	2.03	8.59	99.5	90 - 110	
55 Mn	72	1	235.00	ppb	1.47	228.00	103.1	90 - 110	
59 Co	72	1	3.13	ppb	3.03	3.06	102.4	90 - 110	
60 Ni	72	1	8.28	ppb	1.20	8.06	102.8	90 - 110	
63 Cu	72	1	8.75	ppb	0.39	8.35	104.8	90 - 110	
66 Zn	72	1	32.72	ppb	0.19	32.18	101.7	90 - 110	
75 As	72	1	2.56	ppb	3.97	2.44	105.0	90 - 110	
78 Se	72	1	0.68	ppb	73.83	0.39	175.0	90 - 110	
95 Mo	72	1	0.22	ppb	4.24	0.20	105.7	90 - 110	
107 Ag	115	1	0.10	ppb	3.99	0.10	104.7	90 - 110	
111 Cd	115	1	0.56	ppb	5.17	0.57	97.4	90 - 110	
118 Sn	115	1	0.14	ppb	22.33	0.11	130.4	90 - 110	
121 Sb	115	1	0.02	ppb	13.59	0.02	113.3	90 - 110	
137 Ba	115	1	84.68	ppb	0.68	85.54	99.0	90 - 110	
205 Tl	165	1	0.11	ppb	2.83	0.11	102.0	90 - 110	
208 Pb	165	1	7.40	ppb	1.15	7.34	100.7	90 - 110	
232 Th	165	1	3.27	ppb	1.05	3.29	99.1	90 - 110	
238 U	165	1	0.31	ppb	3.78	0.31	98.8	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	390089	0.55	439510	88.8	30 - 120	
45 Sc	1	924201	0.66	933106	99.0	30 - 120	
72 Ge	1	467546	0.56	470474	99.4	30 - 120	
115 In	1	1631839	0.47	1645880	99.1	30 - 120	
165 Ho	1	3649091	0.41	3654515	99.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\065PDS.D\065PDS.D#
Date Acquired: Aug 25 2011 11:41 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19387-e-3-l PDS
Misc Info: POST DIGESTION SPIKE
Vial Number: 2410
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: PDS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	203.70	2.14	ppb	1.47	200	100.8	75 - 125	
51 V	72	1	250.50	52.79	ppb	1.70	200	99.1	75 - 125	
52 Cr	72	1	237.50	42.94	ppb	2.35	200	97.8	75 - 125	
55 Mn	72	1	1289.00	1140.00	ppb	1.85	200	96.2	75 - 125	
59 Co	72	1	203.00	15.28	ppb	1.81	200	94.3	75 - 125	
60 Ni	72	1	222.80	40.28	ppb	1.04	200	92.7	75 - 125	
63 Cu	72	1	224.80	41.74	ppb	1.26	200	93.0	75 - 125	
66 Zn	72	1	338.20	160.90	ppb	0.62	200	93.7	75 - 125	
75 As	72	1	206.40	12.21	ppb	0.72	200	97.3	75 - 125	
78 Se	72	1	194.60	1.93	ppb	0.97	200	96.4	75 - 125	
95 Mo	72	1	199.20	1.02	ppb	0.68	200	99.1	75 - 125	
107 Ag	115	1	46.47	0.49	ppb	0.31	50	92.0	75 - 125	
111 Cd	115	1	194.20	2.85	ppb	0.19	200	95.7	75 - 125	
118 Sn	115	1	195.20	0.53	ppb	0.70	200	97.3	75 - 125	
121 Sb	115	1	194.10	0.10	ppb	0.16	200	97.0	75 - 125	
137 Ba	115	1	635.00	427.70	ppb	1.33	200	101.2	75 - 125	
205 Tl	165	1	199.70	0.56	ppb	0.39	200	99.6	75 - 125	
208 Pb	165	1	235.00	36.71	ppb	0.74	200	99.3	75 - 125	
232 Th	165	1	15.80	16.47	ppb	0.30	200	7.3	75 - 125	
238 U	165	1	210.40	1.56	ppb	0.95	200	104.4	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	368593	0.26	439510	83.9	30 - 120	
45 Sc	1	905642	0.70	933106	97.1	30 - 120	
72 Ge	1	439336	0.61	470474	93.4	30 - 120	
115 In	1	1536171	0.03	1645880	93.3	30 - 120	
165 Ho	1	3455009	0.52	3654515	94.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\066_MS.D\066_MS.D#
Date Acquired: Aug 25 2011 11:44 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19387-e-3-m ms
Misc Info: MATRIX SPIKE
Vial Number: 2411
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	43.44	2.14	ppb	3.04	40	103.1	50 - 150	
51 V	72	1	93.14	52.79	ppb	1.07	40	100.4	50 - 150	
52 Cr	72	1	82.77	42.94	ppb	0.69	40	99.8	50 - 150	
55 Mn	72	1	1213.00	1140.00	ppb	1.85	40	102.8	50 - 150	
59 Co	72	1	52.48	15.28	ppb	1.23	40	94.9	50 - 150	
60 Ni	72	1	79.04	40.28	ppb	2.02	40	98.5	50 - 150	
63 Cu	72	1	79.61	41.74	ppb	1.20	40	97.4	50 - 150	
66 Zn	72	1	200.10	160.90	ppb	0.89	40	99.6	50 - 150	
75 As	72	1	50.45	12.21	ppb	0.91	40	96.6	50 - 150	
78 Se	72	1	39.22	1.93	ppb	11.12	40	93.5	50 - 150	
95 Mo	72	1	30.14	1.02	ppb	1.48	40	73.5	50 - 150	
107 Ag	115	1	36.92	0.49	ppb	1.18	40	91.2	50 - 150	
111 Cd	115	1	41.84	2.85	ppb	1.47	40	97.6	50 - 150	
118 Sn	115	1	11.13	0.53	ppb	2.35	40	27.5	50 - 150	
121 Sb	115	1	1.94	0.10	ppb	0.93	40	4.8	50 - 150	
137 Ba	115	1	487.40	427.70	ppb	2.90	40	104.2	50 - 150	
205 Tl	165	1	40.87	0.56	ppb	1.10	40	100.8	50 - 150	
208 Pb	165	1	77.01	36.71	ppb	1.24	40	100.4	50 - 150	
232 Th	165	1	59.25	16.47	ppb	0.69	40	104.9	50 - 150	
238 U	165	1	45.08	1.56	ppb	1.73	40	108.5	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	371508	0.34	439510	84.5	30 - 120	
45 Sc	1	908387	0.77	933106	97.4	30 - 120	
72 Ge	1	441204	0.65	470474	93.8	30 - 120	
115 In	1	1531275	1.42	1645880	93.0	30 - 120	
165 Ho	1	3496989	0.30	3654515	95.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\067_MSD.D\067_MSD.D#
Date Acquired: Aug 25 2011 11:47 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19387-e-3-n msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 2412
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG082511.B\066_MS.D\066_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	41.51	ppb	2.45	43.44	4.54	20	
51 V	72	1	85.64	ppb	1.33	93.14	8.39	20	
52 Cr	72	1	77.16	ppb	1.22	82.77	7.02	20	
55 Mn	72	1	1129.00	ppb	0.79	1213.00	7.17	20	
59 Co	72	1	50.49	ppb	0.38	52.48	3.87	20	
60 Ni	72	1	75.49	ppb	1.39	79.04	4.59	20	
63 Cu	72	1	75.56	ppb	0.58	79.61	5.22	20	
66 Zn	72	1	187.70	ppb	0.64	200.10	6.40	20	
75 As	72	1	48.11	ppb	1.30	50.45	4.75	20	
78 Se	72	1	38.15	ppb	1.40	39.22	2.77	20	
95 Mo	72	1	28.14	ppb	1.40	30.14	6.86	20	
107 Ag	115	1	35.04	ppb	0.36	36.92	5.23	20	
111 Cd	115	1	39.78	ppb	0.25	41.84	5.05	20	
118 Sn	115	1	9.69	ppb	0.51	11.13	13.83	20	
121 Sb	115	1	1.78	ppb	2.87	1.94	8.72	20	
137 Ba	115	1	443.00	ppb	0.55	487.40	9.54	20	
205 Tl	165	1	39.17	ppb	0.56	40.87	4.25	20	
208 Pb	165	1	72.87	ppb	0.45	77.01	5.52	20	
232 Th	165	1	56.16	ppb	0.95	59.25	5.35	20	
238 U	165	1	43.14	ppb	1.40	45.08	4.40	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	370911	2.17	439510	84.4	30 - 120	
45 Sc	1	906889	0.20	933106	97.2	30 - 120	
72 Ge	1	439277	0.75	470474	93.4	30 - 120	
115 In	1	1547292	0.24	1645880	94.0	30 - 120	
165 Ho	1	3493961	0.21	3654515	95.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\068_CCV.D\068_CCV.D#
Date Acquired: Aug 25 2011 11:50 pm
Operator: LRD
Sample Name: CCV-944128
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	50.44	ppb	3.83	50	100.9	90 - 110	
51 V	72	1	49.55	ppb	1.53	50	99.1	90 - 110	
52 Cr	72	1	48.91	ppb	1.24	50	97.8	90 - 110	
55 Mn	72	1	49.86	ppb	0.69	50	99.7	90 - 110	
59 Co	72	1	47.84	ppb	0.37	50	95.7	90 - 110	
60 Ni	72	1	49.34	ppb	0.62	50	98.7	90 - 110	
63 Cu	72	1	49.26	ppb	1.16	50	98.5	90 - 110	
66 Zn	72	1	49.04	ppb	0.17	50	98.1	90 - 110	
75 As	72	1	50.51	ppb	0.22	50	101.0	90 - 110	
78 Se	72	1	52.64	ppb	6.82	50	105.3	90 - 110	
95 Mo	72	1	50.49	ppb	0.64	50	101.0	90 - 110	
107 Ag	115	1	48.51	ppb	0.76	50	97.0	90 - 110	
111 Cd	115	1	49.14	ppb	1.31	50	98.3	90 - 110	
118 Sn	115	1	49.95	ppb	1.85	50	99.9	90 - 110	
121 Sb	115	1	49.22	ppb	0.94	50	98.4	90 - 110	
137 Ba	115	1	49.95	ppb	1.55	50	99.9	90 - 110	
205 Tl	165	1	52.10	ppb	0.61	50	104.2	90 - 110	
208 Pb	165	1	50.90	ppb	0.22	50	101.8	90 - 110	
232 Th	165	1	53.91	ppb	0.23	50	107.8	90 - 110	
238 U	165	1	53.10	ppb	0.95	50	106.2	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	397450	0.88	439510	90.4	30 - 120	
45 Sc	1	938217	1.24	933106	100.5	30 - 120	
72 Ge	1	474530	0.08	470474	100.9	30 - 120	
115 In	1	1684153	0.65	1645880	102.3	30 - 120	
165 Ho	1	3692101	0.60	3654515	101.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\069_CCB.D\069_CCB.D#
Date Acquired: Aug 25 2011 11:53 pm
Operator: LRD
Sample Name: CCB-944134
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.006	ppb	173.18	1.00	
51 V	72	1	0.041	ppb	23.88	1.00	
52 Cr	72	1	0.022	ppb	108.60	1.00	
55 Mn	72	1	0.168	ppb	11.82	1.00	
59 Co	72	1	0.020	ppb	7.39	1.00	
60 Ni	72	1	0.024	ppb	25.07	1.00	
63 Cu	72	1	0.053	ppb	46.01	1.00	
66 Zn	72	1	0.105	ppb	13.28	1.00	
75 As	72	1	0.014	ppb	140.74	1.00	
78 Se	72	1	-0.092	ppb	50.36	1.00	
95 Mo	72	1	-0.002	ppb	1065.10	1.00	
107 Ag	115	1	0.021	ppb	26.88	1.00	
111 Cd	115	1	0.027	ppb	30.95	1.00	
118 Sn	115	1	0.036	ppb	22.89	1.00	
121 Sb	115	1	0.019	ppb	26.20	1.00	
137 Ba	115	1	0.087	ppb	4.77	1.00	
205 Tl	165	1	0.040	ppb	17.08	1.00	
208 Pb	165	1	0.028	ppb	15.20	1.00	
232 Th	165	1	0.032	ppb	13.74	1.00	
238 U	165	1	0.022	ppb	4.67	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	404000	0.99	439510	91.9	30 - 120	
45 Sc	1	947236	1.30	933106	101.5	30 - 120	
72 Ge	1	486431	0.34	470474	103.4	30 - 120	
115 In	1	1663405	0.21	1645880	101.1	30 - 120	
165 Ho	1	3748165	0.91	3654515	102.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\070_BLK.D\070_BLK.D#
Date Acquired: Aug 25 2011 11:56 pm
Operator: LRD
Sample Name: mb 280-82957/1-a
Misc Info: BLANK 82957 200.8
Vial Number: 2501
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.011 ppb	173.29	2.00	
51 V	72	1	0.001 ppb	11870.00	2.00	
52 Cr	72	1	0.127 ppb	16.71	2.00	
55 Mn	72	1	0.157 ppb	13.56	2.00	
59 Co	72	1	0.005 ppb	21.92	2.00	
60 Ni	72	1	0.032 ppb	56.94	2.00	
63 Cu	72	1	0.108 ppb	13.35	2.00	
66 Zn	72	1	0.517 ppb	4.19	2.00	
75 As	72	1	0.341 ppb	1.55	2.00	
78 Se	72	1	-0.056 ppb	297.86	2.00	
95 Mo	72	1	-0.006 ppb	42.93	2.00	
107 Ag	115	1	0.024 ppb	28.37	2.00	
111 Cd	115	1	0.020 ppb	81.03	2.00	
118 Sn	115	1	0.104 ppb	9.07	2.00	
121 Sb	115	1	0.030 ppb	23.83	2.00	
137 Ba	115	1	0.209 ppb	8.09	2.00	
205 Tl	165	1	0.094 ppb	33.38	2.00	
208 Pb	165	1	0.048 ppb	5.97	2.00	
232 Th	165	1	0.014 ppb	30.81	2.00	
238 U	165	1	0.010 ppb	15.08	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	414670	3.13	439510	94.3	30 - 120	
45 Sc	1	905495	1.32	933106	97.0	30 - 120	
72 Ge	1	467740	2.17	470474	99.4	30 - 120	
115 In	1	1597780	1.48	1645880	97.1	30 - 120	
165 Ho	1	3641454	0.86	3654515	99.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\071_LCS.D\071_LCS.D#
Date Acquired: Aug 25 2011 11:59 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: lcs 280-82957/2-a
Misc Info: LCS
Vial Number: 2502
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	34.29	3.54	40	85.7	80 - 120	
51 V	72	1	31.78	1.51	40	79.5	80 - 120	
52 Cr	72	1	32.24	0.64	40	80.6	80 - 120	
55 Mn	72	1	33.08	1.12	40	82.7	80 - 120	
59 Co	72	1	31.31	0.59	40	78.3	80 - 120	
60 Ni	72	1	32.64	2.11	40	81.6	80 - 120	
63 Cu	72	1	32.74	0.51	40	81.9	80 - 120	
66 Zn	72	1	33.76	1.81	40	84.4	80 - 120	
75 As	72	1	33.80	1.09	40	84.5	80 - 120	
78 Se	72	1	36.43	1.92	40	91.1	80 - 120	
95 Mo	72	1	33.13	1.29	40	82.8	80 - 120	
107 Ag	115	1	31.89	1.67	40	79.7	80 - 120	
111 Cd	115	1	32.58	0.77	40	81.5	80 - 120	
118 Sn	115	1	32.89	1.55	40	82.2	80 - 120	
121 Sb	115	1	32.95	1.50	40	82.4	80 - 120	
137 Ba	115	1	33.17	1.88	40	82.9	80 - 120	
205 Tl	165	1	34.66	0.92	40	86.7	80 - 120	
208 Pb	165	1	33.98	1.09	40	85.0	80 - 120	
232 Th	165	1	36.25	0.81	40	90.6	80 - 120	
238 U	165	1	36.14	0.23	40	90.4	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	383579	1.84	439510	87.3	30 - 120	
45 Sc	1	834292	1.64	933106	89.4	30 - 120	
72 Ge	1	424665	1.54	470474	90.3	30 - 120	
115 In	1	1537735	0.54	1645880	93.4	30 - 120	
165 Ho	1	3498359	1.06	3654515	95.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\072AREF.D\072AREF.D#
Date Acquired: Aug 26 2011 12:02 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19421-e-1-d
Misc Info:
Vial Number: 2503
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.02	1.02	ppb	12.00	3600	
51 V	72	1	30.38	30.38	ppb	2.36	3600	
52 Cr	72	1	18.37	18.37	ppb	1.25	3600	
55 Mn	72	1	310.60	310.60	ppb	1.19	18000	
59 Co	72	1	6.61	6.61	ppb	2.04	3600	
60 Ni	72	1	14.47	14.47	ppb	0.43	3600	
63 Cu	72	1	24.97	24.97	ppb	1.59	3600	
66 Zn	72	1	74.26	74.26	ppb	0.08	3600	
75 As	72	1	2.45	2.45	ppb	1.85	3600	
78 Se	72	1	1.06	1.06	ppb	39.54	3600	
95 Mo	72	1	1.02	1.02	ppb	0.90	3600	
107 Ag	115	1	0.11	0.11	ppb	14.19	3600	
111 Cd	115	1	0.26	0.26	ppb	21.26	3600	
118 Sn	115	1	0.27	0.27	ppb	7.62	3600	
121 Sb	115	1	0.11	0.11	ppb	7.80	3600	
137 Ba	115	1	259.00	259.00	ppb	1.18	3600	
205 Tl	165	1	0.26	0.26	ppb	1.98	3600	
208 Pb	165	1	12.48	12.48	ppb	0.92	3600	
232 Th	165	1	3.85	3.85	ppb	1.72	1000	
238 U	165	1	2.34	2.34	ppb	2.36	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	348581	1.54	439510	79.3	30 - 120	
45 Sc	1	803116	1.02	933106	86.1	30 - 120	
72 Ge	1	388311	0.92	470474	82.5	30 - 120	
115 In	1	1365311	1.34	1645880	83.0	30 - 120	
165 Ho	1	3222314	0.30	3654515	88.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\073_MS.D\073_MS.D#
Date Acquired: Aug 26 2011 12:05 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19421-e-1-e ms
Misc Info: MATRIX SPIKE
Vial Number: 2504
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	34.76	1.02	ppb	1.18	40	84.7	50 - 150	
51 V	72	1	61.41	30.38	ppb	1.27	40	87.3	50 - 150	
52 Cr	72	1	49.21	18.37	ppb	0.89	40	84.3	50 - 150	
55 Mn	72	1	344.70	310.60	ppb	0.52	40	98.3	50 - 150	
59 Co	72	1	36.23	6.61	ppb	0.99	40	77.7	50 - 150	
60 Ni	72	1	44.17	14.47	ppb	1.74	40	81.1	50 - 150	
63 Cu	72	1	54.58	24.97	ppb	1.08	40	84.0	50 - 150	
66 Zn	72	1	104.30	74.26	ppb	0.66	40	91.3	50 - 150	
75 As	72	1	28.97	2.45	ppb	1.04	40	68.2	50 - 150	
78 Se	72	1	25.49	1.06	ppb	7.14	40	62.1	50 - 150	
95 Mo	72	1	21.91	1.02	ppb	1.44	40	53.4	50 - 150	
107 Ag	115	1	29.31	0.11	ppb	1.26	40	73.1	50 - 150	
111 Cd	115	1	31.87	0.26	ppb	0.98	40	79.2	50 - 150	
118 Sn	115	1	8.49	0.27	ppb	0.96	40	21.1	50 - 150	
121 Sb	115	1	9.25	0.11	ppb	1.97	40	23.1	50 - 150	
137 Ba	115	1	286.00	259.00	ppb	0.57	40	95.7	50 - 150	
205 Tl	165	1	30.33	0.26	ppb	0.54	40	75.3	50 - 150	
208 Pb	165	1	43.94	12.48	ppb	0.64	40	83.7	50 - 150	
232 Th	165	1	27.95	3.85	ppb	1.02	40	63.7	50 - 150	
238 U	165	1	37.82	2.34	ppb	1.78	40	89.3	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	360085	0.95	439510	81.9	30 - 120	
45 Sc	1	805234	0.58	933106	86.3	30 - 120	
72 Ge	1	384827	1.00	470474	81.8	30 - 120	
115 In	1	1364407	0.64	1645880	82.9	30 - 120	
165 Ho	1	3246549	1.27	3654515	88.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\074_MSD.D\074_MSD.D#
Date Acquired: Aug 26 2011 12:08 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19421-e-1-f msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 2505
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG082511.B\073_MS.D\073_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	35.55	ppb	2.44	34.76	2.25	20	
51 V	72	1	60.79	ppb	1.55	61.41	1.01	20	
52 Cr	72	1	48.83	ppb	1.23	49.21	0.78	20	
55 Mn	72	1	356.00	ppb	0.71	344.70	3.23	20	
59 Co	72	1	36.75	ppb	0.21	36.23	1.43	20	
60 Ni	72	1	44.75	ppb	1.31	44.17	1.30	20	
63 Cu	72	1	53.67	ppb	0.66	54.58	1.68	20	
66 Zn	72	1	102.60	ppb	0.26	104.30	1.64	20	
75 As	72	1	27.30	ppb	1.31	28.97	5.94	20	
78 Se	72	1	22.79	ppb	4.62	25.49	11.18	20	
95 Mo	72	1	20.55	ppb	1.95	21.91	6.41	20	
107 Ag	115	1	29.86	ppb	0.71	29.31	1.86	20	
111 Cd	115	1	32.54	ppb	1.06	31.87	2.08	20	
118 Sn	115	1	8.46	ppb	0.79	8.49	0.38	20	
121 Sb	115	1	11.32	ppb	0.64	9.25	20.16	20	
137 Ba	115	1	299.00	ppb	0.42	286.00	4.44	20	
205 Tl	165	1	30.30	ppb	0.24	30.33	0.10	20	
208 Pb	165	1	44.19	ppb	0.57	43.94	0.57	20	
232 Th	165	1	26.63	ppb	1.11	27.95	4.84	20	
238 U	165	1	39.37	ppb	1.70	37.82	4.02	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	369569	1.43	439510	84.1	30 - 120	
45 Sc	1	816328	0.44	933106	87.5	30 - 120	
72 Ge	1	388345	1.43	470474	82.5	30 - 120	
115 In	1	1363567	0.48	1645880	82.8	30 - 120	
165 Ho	1	3294914	0.93	3654515	90.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\075SMPL.D\075SMPL.D#
Date Acquired: Aug 26 2011 12:11 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19483-a-1-a
Misc Info:
Vial Number: 2506
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.03	0.03	ppb	68.95	3600	
51 V	72	1	0.24	0.24	ppb	79.91	3600	
52 Cr	72	1	0.56	0.56	ppb	5.07	3600	
55 Mn	72	1	12.22	12.22	ppb	1.87	18000	
59 Co	72	1	0.23	0.23	ppb	3.57	3600	
60 Ni	72	1	1.48	1.48	ppb	2.41	3600	
63 Cu	72	1	12.71	12.71	ppb	0.53	3600	
66 Zn	72	1	31.15	31.15	ppb	0.38	3600	
75 As	72	1	0.83	0.83	ppb	2.50	3600	
78 Se	72	1	1.19	1.19	ppb	16.61	3600	
95 Mo	72	1	1.50	1.50	ppb	6.44	3600	
107 Ag	115	1	0.11	0.11	ppb	7.41	3600	
111 Cd	115	1	0.06	0.06	ppb	9.95	3600	
118 Sn	115	1	0.76	0.76	ppb	10.95	3600	
121 Sb	115	1	0.31	0.31	ppb	5.98	3600	
137 Ba	115	1	39.14	39.14	ppb	1.00	3600	
205 Tl	165	1	0.03	0.03	ppb	16.87	3600	
208 Pb	165	1	0.47	0.47	ppb	0.49	3600	
232 Th	165	1	0.03	0.03	ppb	25.80	1000	
238 U	165	1	0.41	0.41	ppb	2.69	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	378247	0.66	439510	86.1	30 - 120	
45 Sc	1	800574	1.53	933106	85.8	30 - 120	
72 Ge	1	396911	0.74	470474	84.4	30 - 120	
115 In	1	1399291	1.60	1645880	85.0	30 - 120	
165 Ho	1	3352592	0.19	3654515	91.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\076SMPL.D\076SMPL.D#
Date Acquired: Aug 26 2011 12:13 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19483-a-3-a
Misc Info:
Vial Number: 2507
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	99.85	3600	
51 V	72	1	0.31	0.31	ppb	70.32	3600	
52 Cr	72	1	0.72	0.72	ppb	5.51	3600	
55 Mn	72	1	15.80	15.80	ppb	2.62	18000	
59 Co	72	1	0.18	0.18	ppb	2.06	3600	
60 Ni	72	1	1.59	1.59	ppb	4.45	3600	
63 Cu	72	1	13.41	13.41	ppb	0.44	3600	
66 Zn	72	1	29.67	29.67	ppb	1.91	3600	
75 As	72	1	0.87	0.87	ppb	9.08	3600	
78 Se	72	1	0.62	0.62	ppb	35.81	3600	
95 Mo	72	1	1.61	1.61	ppb	6.98	3600	
107 Ag	115	1	0.09	0.09	ppb	7.34	3600	
111 Cd	115	1	0.04	0.04	ppb	30.37	3600	
118 Sn	115	1	0.71	0.71	ppb	1.44	3600	
121 Sb	115	1	0.30	0.30	ppb	3.82	3600	
137 Ba	115	1	37.48	37.48	ppb	0.82	3600	
205 Tl	165	1	0.01	0.01	ppb	11.17	3600	
208 Pb	165	1	0.41	0.41	ppb	1.60	3600	
232 Th	165	1	0.01	0.01	ppb	13.70	1000	
238 U	165	1	0.77	0.77	ppb	0.69	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	369340	0.74	439510	84.0	30 - 120	
45 Sc	1	766331	2.53	933106	82.1	30 - 120	
72 Ge	1	385590	1.23	470474	82.0	30 - 120	
115 In	1	1364918	0.74	1645880	82.9	30 - 120	
165 Ho	1	3294458	0.93	3654515	90.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\077SMPL.D\077SMPL.D#
Date Acquired: Aug 26 2011 12:16 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19483-a-5-a
Misc Info:
Vial Number: 2508
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	173.20	3600	
51 V	72	1	0.36	0.36	ppb	62.07	3600	
52 Cr	72	1	0.57	0.57	ppb	1.08	3600	
55 Mn	72	1	19.92	19.92	ppb	2.18	18000	
59 Co	72	1	0.20	0.20	ppb	5.65	3600	
60 Ni	72	1	1.41	1.41	ppb	5.37	3600	
63 Cu	72	1	11.54	11.54	ppb	0.63	3600	
66 Zn	72	1	34.25	34.25	ppb	0.13	3600	
75 As	72	1	0.78	0.78	ppb	6.49	3600	
78 Se	72	1	0.60	0.60	ppb	58.36	3600	
95 Mo	72	1	1.20	1.20	ppb	8.66	3600	
107 Ag	115	1	0.04	0.04	ppb	5.94	3600	
111 Cd	115	1	0.05	0.05	ppb	22.69	3600	
118 Sn	115	1	0.76	0.76	ppb	10.72	3600	
121 Sb	115	1	0.33	0.33	ppb	1.67	3600	
137 Ba	115	1	35.02	35.02	ppb	0.91	3600	
205 Tl	165	1	0.01	0.01	ppb	9.07	3600	
208 Pb	165	1	0.47	0.47	ppb	1.81	3600	
232 Th	165	1	0.01	0.01	ppb	19.98	1000	
238 U	165	1	0.34	0.34	ppb	3.34	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	360131	0.84	439510	81.9	30 - 120	
45 Sc	1	761727	1.25	933106	81.6	30 - 120	
72 Ge	1	379309	1.23	470474	80.6	30 - 120	
115 In	1	1342336	0.81	1645880	81.6	30 - 120	
165 Ho	1	3243325	0.65	3654515	88.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\078SMPL.D\078SMPL.D#
Date Acquired: Aug 26 2011 12:19 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19483-a-7-a
Misc Info:
Vial Number: 2509
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	0.00	3600	
51 V	72	1	0.26	0.26	ppb	62.87	3600	
52 Cr	72	1	0.50	0.50	ppb	9.80	3600	
55 Mn	72	1	8.07	8.07	ppb	0.95	18000	
59 Co	72	1	0.12	0.12	ppb	3.48	3600	
60 Ni	72	1	1.08	1.08	ppb	12.35	3600	
63 Cu	72	1	10.80	10.80	ppb	2.72	3600	
66 Zn	72	1	26.75	26.75	ppb	0.48	3600	
75 As	72	1	0.72	0.72	ppb	8.43	3600	
78 Se	72	1	0.72	0.72	ppb	34.49	3600	
95 Mo	72	1	1.01	1.01	ppb	7.32	3600	
107 Ag	115	1	0.03	0.03	ppb	10.68	3600	
111 Cd	115	1	0.04	0.04	ppb	27.33	3600	
118 Sn	115	1	0.40	0.40	ppb	5.19	3600	
121 Sb	115	1	0.26	0.26	ppb	3.12	3600	
137 Ba	115	1	31.91	31.91	ppb	1.66	3600	
205 Tl	165	1	0.01	0.01	ppb	9.43	3600	
208 Pb	165	1	0.25	0.25	ppb	1.36	3600	
232 Th	165	1	0.01	0.01	ppb	21.45	1000	
238 U	165	1	0.39	0.39	ppb	0.27	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	354077	1.33	439510	80.6	30 - 120	
45 Sc	1	752533	0.81	933106	80.6	30 - 120	
72 Ge	1	376762	0.53	470474	80.1	30 - 120	
115 In	1	1346720	0.48	1645880	81.8	30 - 120	
165 Ho	1	3197709	0.59	3654515	87.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\079_CCV.D\079_CCV.D#
Date Acquired: Aug 26 2011 12:22 am
Operator: LRD
Sample Name: CCV-944128
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	50.63	ppb	1.78	50	101.3	90 - 110	
51 V	72	1	48.83	ppb	1.11	50	97.7	90 - 110	
52 Cr	72	1	48.93	ppb	0.79	50	97.9	90 - 110	
55 Mn	72	1	49.78	ppb	1.31	50	99.6	90 - 110	
59 Co	72	1	47.46	ppb	0.42	50	94.9	90 - 110	
60 Ni	72	1	48.59	ppb	1.15	50	97.2	90 - 110	
63 Cu	72	1	49.53	ppb	0.28	50	99.1	90 - 110	
66 Zn	72	1	48.86	ppb	0.09	50	97.7	90 - 110	
75 As	72	1	50.38	ppb	0.86	50	100.8	90 - 110	
78 Se	72	1	53.05	ppb	6.59	50	106.1	90 - 110	
95 Mo	72	1	50.93	ppb	1.27	50	101.9	90 - 110	
107 Ag	115	1	47.51	ppb	0.91	50	95.0	90 - 110	
111 Cd	115	1	48.76	ppb	0.43	50	97.5	90 - 110	
118 Sn	115	1	50.25	ppb	0.45	50	100.5	90 - 110	
121 Sb	115	1	49.38	ppb	0.75	50	98.8	90 - 110	
137 Ba	115	1	50.75	ppb	0.54	50	101.5	90 - 110	
205 Tl	165	1	53.26	ppb	0.66	50	106.5	90 - 110	
208 Pb	165	1	52.82	ppb	0.55	50	105.6	90 - 110	
232 Th	165	1	56.24	ppb	1.06	50	112.5	90 - 110	Fail
238 U	165	1	56.98	ppb	1.73	50	114.0	90 - 110	Fail

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	352580	0.40	439510	80.2	30 - 120	
45 Sc	1	764031	0.56	933106	81.9	30 - 120	
72 Ge	1	391768	0.21	470474	83.3	30 - 120	
115 In	1	1438956	0.49	1645880	87.4	30 - 120	
165 Ho	1	3284602	0.21	3654515	89.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

2 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\080_CCB.D\080_CCB.D#
Date Acquired: Aug 26 2011 12:25 am
Operator: LRD
Sample Name: CCB-944134
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.013	ppb	173.26	1.00	
51 V	72	1	0.031	ppb	101.22	1.00	
52 Cr	72	1	0.002	ppb	904.53	1.00	
55 Mn	72	1	0.084	ppb	9.28	1.00	
59 Co	72	1	0.014	ppb	35.11	1.00	
60 Ni	72	1	0.024	ppb	57.42	1.00	
63 Cu	72	1	0.053	ppb	9.90	1.00	
66 Zn	72	1	0.093	ppb	25.57	1.00	
75 As	72	1	0.020	ppb	44.77	1.00	
78 Se	72	1	0.056	ppb	260.94	1.00	
95 Mo	72	1	-0.026	ppb	38.23	1.00	
107 Ag	115	1	0.022	ppb	10.13	1.00	
111 Cd	115	1	0.016	ppb	66.44	1.00	
118 Sn	115	1	0.052	ppb	34.38	1.00	
121 Sb	115	1	0.021	ppb	45.55	1.00	
137 Ba	115	1	0.045	ppb	16.84	1.00	
205 Tl	165	1	0.034	ppb	23.89	1.00	
208 Pb	165	1	0.024	ppb	7.77	1.00	
232 Th	165	1	0.041	ppb	12.52	1.00	
238 U	165	1	0.019	ppb	4.08	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	362828	0.29	439510	82.6	30 - 120	
45 Sc	1	784773	0.94	933106	84.1	30 - 120	
72 Ge	1	407114	0.17	470474	86.5	30 - 120	
115 In	1	1444617	0.45	1645880	87.8	30 - 120	
165 Ho	1	3340395	1.05	3654515	91.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\081WASH.D\081WASH.D#
Date Acquired: Aug 26 2011 12:28 am
Operator: LRD
Sample Name: RINSE
Misc Info:
Vial Number: 1301
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.014 ppb	173.27	1.30	
51 V	72	1	0.005 ppb	671.04	6.50	
52 Cr	72	1	0.987 ppb	5.54	2.60	
55 Mn	72	1	0.567 ppb	2.72	1.30	
59 Co	72	1	0.060 ppb	12.04	1.30	
60 Ni	72	1	0.757 ppb	7.33	2.60	
63 Cu	72	1	0.405 ppb	11.23	2.60	
66 Zn	72	1	2.616 ppb	1.71	13.00	
75 As	72	1	0.617 ppb	5.48	6.50	
78 Se	72	1	0.332 ppb	124.43	6.50	
95 Mo	72	1	1710.000 ppb	0.89	2.60	
107 Ag	115	1	0.045 ppb	17.09	6.50	
111 Cd	115	1	0.555 ppb	30.21	1.30	
118 Sn	115	1	0.131 ppb	31.49	13.00	
121 Sb	115	1	0.230 ppb	6.77	2.60	
137 Ba	115	1	0.201 ppb	6.52	1.30	
205 Tl	165	1	0.044 ppb	21.76	1.30	
208 Pb	165	1	0.123 ppb	3.85	1.30	
232 Th	165	1	0.042 ppb	15.58	2.60	
238 U	165	1	0.010 ppb	2.69	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	337415	1.12	439510	76.8	30 - 120	
45 Sc	1	709712	0.94	933106	76.1	30 - 120	
72 Ge	1	357850	0.46	470474	76.1	30 - 120	
115 In	1	1239021	0.84	1645880	75.3	30 - 120	
165 Ho	1	2958345	1.12	3654515	81.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\082WASH.D\082WASH.D#
Date Acquired: Aug 26 2011 12:31 am
Operator: LRD
Sample Name: RINSE
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.000 ppb	0.00	1.30	
51 V	72	1	0.002 ppb	1541.00	6.50	
52 Cr	72	1	0.006 ppb	256.91	2.60	
55 Mn	72	1	0.094 ppb	6.61	1.30	
59 Co	72	1	0.007 ppb	31.53	1.30	
60 Ni	72	1	0.016 ppb	89.65	2.60	
63 Cu	72	1	0.015 ppb	57.07	2.60	
66 Zn	72	1	0.056 ppb	13.64	13.00	
75 As	72	1	0.003 ppb	839.23	6.50	
78 Se	72	1	0.020 ppb	1239.10	6.50	
95 Mo	72	1	0.448 ppb	16.76	2.60	
107 Ag	115	1	0.004 ppb	85.25	6.50	
111 Cd	115	1	0.021 ppb	31.72	1.30	
118 Sn	115	1	0.028 ppb	20.40	13.00	
121 Sb	115	1	0.008 ppb	30.12	2.60	
137 Ba	115	1	0.049 ppb	19.69	1.30	
205 Tl	165	1	0.007 ppb	26.88	1.30	
208 Pb	165	1	0.011 ppb	4.15	1.30	
232 Th	165	1	0.011 ppb	29.52	2.60	
238 U	165	1	0.007 ppb	19.94	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	358743	0.79	439510	81.6	30 - 120	
45 Sc	1	789320	2.20	933106	84.6	30 - 120	
72 Ge	1	411245	0.20	470474	87.4	30 - 120	
115 In	1	1470015	1.13	1645880	89.3	30 - 120	
165 Ho	1	3386308	1.08	3654515	92.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\083WASH.D\083WASH.D#
Date Acquired: Aug 26 2011 12:34 am
Operator: LRD
Sample Name: RINSE
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.000 ppb	0.00	1.30	
51 V	72	1	0.024 ppb	40.53	6.50	
52 Cr	72	1	0.007 ppb	114.36	2.60	
55 Mn	72	1	0.079 ppb	20.96	1.30	
59 Co	72	1	0.005 ppb	25.13	1.30	
60 Ni	72	1	-0.004 ppb	119.40	2.60	
63 Cu	72	1	0.006 ppb	382.38	2.60	
66 Zn	72	1	0.058 ppb	33.68	13.00	
75 As	72	1	0.001 ppb	2002.40	6.50	
78 Se	72	1	0.008 ppb	1145.30	6.50	
95 Mo	72	1	0.075 ppb	17.59	2.60	
107 Ag	115	1	0.004 ppb	74.72	6.50	
111 Cd	115	1	0.013 ppb	28.51	1.30	
118 Sn	115	1	0.013 ppb	49.29	13.00	
121 Sb	115	1	0.005 ppb	9.73	2.60	
137 Ba	115	1	0.032 ppb	17.42	1.30	
205 Tl	165	1	0.004 ppb	41.24	1.30	
208 Pb	165	1	0.010 ppb	21.38	1.30	
232 Th	165	1	0.008 ppb	6.40	2.60	
238 U	165	1	0.007 ppb	17.28	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	367999	1.66	439510	83.7	30 - 120	
45 Sc	1	826281	0.51	933106	88.6	30 - 120	
72 Ge	1	424838	0.63	470474	90.3	30 - 120	
115 In	1	1533588	0.64	1645880	93.2	30 - 120	
165 Ho	1	3461809	1.22	3654515	94.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\084CALB.D\084CALB.D#
Date Acquired: Aug 26 2011 12:37 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: Cal Blank
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD(%)
9	Be	6	1	10	100.28
51	V	72	1	247	93.34
52	Cr	72	1	1297	12.38
55	Mn	72	1	773	7.03
59	Co	72	1	53	11.01
60	Ni	72	1	67	17.50
63	Cu	72	1	427	10.06
66	Zn	72	1	214	16.87
75	As	72	1	21	14.16
78	Se	72	1	60	33.78
95	Mo	72	1	200	10.38
107	Ag	115	1	27	56.71
111	Cd	115	1	29	48.43
118	Sn	115	1	170	36.64
121	Sb	115	1	41	41.06
137	Ba	115	1	86	29.62
205	Tl	165	1	190	10.63
208	Pb	165	1	563	5.08
232	Th	165	1	393	11.69
238	U	165	1	247	22.12

Internal Standard Elements

Element		Tune	CPS Mean	RSD(%)
6	Li	1	376050	0.49
45	Sc	1	842536	0.38
72	Ge	1	434625	0.55
115	In	1	1546933	0.89
165	Ho	1	3493328	0.40

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#
Date Acquired: Aug 26 2011 12:40 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: IC-944134
Misc Info:
Vial Number: 1103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 26 2011 12:38 am
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD(%)
9	Be	6	1	0	0.00
51	V	72	1	-62	344.06
52	Cr	72	1	1383	9.28
55	Mn	72	1	730	2.87
59	Co	72	1	43	81.11
60	Ni	72	1	37	56.85
63	Cu	72	1	323	9.60
66	Zn	72	1	169	11.64
75	As	72	1	34	38.60
78	Se	72	1	47	61.96
95	Mo	72	1	103	29.44
107	Ag	115	1	23	89.67
111	Cd	115	1	9	138.20
118	Sn	115	1	73	35.05
121	Sb	115	1	23	15.47
137	Ba	115	1	67	9.98
205	Tl	165	1	111	11.25
208	Pb	165	1	432	3.69
232	Th	165	1	253	21.88
238	U	165	1	167	8.35

Internal Standard Elements

Element		Tune	CPS Mean	RSD(%)
6	Li	1	377196	0.23
45	Sc	1	842079	1.06
72	Ge	1	438317	0.16
115	In	1	1553503	1.61
165	Ho	1	3491917	0.65

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\086ICAL.D\086ICAL.D#
Date Acquired: Aug 26 2011 12:43 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: IC-944105
Misc Info:
Vial Number: 1303
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 26 2011 12:41 am
Sample Type: ICAL

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD(%)
9	Be	6	1	52047	2.09
51	V	72	1	633066	2.64
52	Cr	72	1	684742	1.82
55	Mn	72	1	623785	0.72
59	Co	72	1	941284	1.62
60	Ni	72	1	212827	1.23
63	Cu	72	1	509245	1.15
66	Zn	72	1	100463	0.93
75	As	72	1	66336	1.21
78	Se	72	1	10995	0.88
95	Mo	72	1	243252	0.90
107	Ag	115	1	801647	1.58
111	Cd	115	1	149667	0.75
118	Sn	115	1	391046	0.25
121	Sb	115	1	439037	0.59
137	Ba	115	1	187030	0.87
205	Tl	165	1	2103826	0.60
208	Pb	165	1	2941844	0.61
232	Th	165	1	2864285	1.06
238	U	165	1	3202255	1.18

ISTD Elements

Element		Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6	Li	1	370748	1.37	377196	98.3	30 - 120	
45	Sc	1	840161	1.42	842079	99.8	30 - 120	
72	Ge	1	424246	1.03	438317	96.8	30 - 120	
115	In	1	1532252	0.73	1553503	98.6	30 - 120	
165	Ho	1	3457821	0.75	3491917	99.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures 0
0 :ISTD Failures 0

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\087_CCV.D\087_CCV.D#
Date Acquired: Aug 26 2011 12:46 am
Operator: LRD
Sample Name: CCV-944128
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 26 2011 12:43 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	51.72	ppb	2.49	50	103.4	90 - 110	
51 V	72	1	50.39	ppb	1.32	50	100.8	90 - 110	
52 Cr	72	1	50.09	ppb	0.86	50	100.2	90 - 110	
55 Mn	72	1	50.41	ppb	0.39	50	100.8	90 - 110	
59 Co	72	1	48.50	ppb	0.49	50	97.0	90 - 110	
60 Ni	72	1	50.23	ppb	0.23	50	100.5	90 - 110	
63 Cu	72	1	50.21	ppb	1.36	50	100.4	90 - 110	
66 Zn	72	1	50.29	ppb	1.77	50	100.6	90 - 110	
75 As	72	1	50.00	ppb	1.27	50	100.0	90 - 110	
78 Se	72	1	52.33	ppb	0.77	50	104.7	90 - 110	
95 Mo	72	1	50.22	ppb	1.05	50	100.4	90 - 110	
107 Ag	115	1	49.94	ppb	1.10	50	99.9	90 - 110	
111 Cd	115	1	50.16	ppb	0.87	50	100.3	90 - 110	
118 Sn	115	1	49.98	ppb	0.56	50	100.0	90 - 110	
121 Sb	115	1	49.70	ppb	1.01	50	99.4	90 - 110	
137 Ba	115	1	49.98	ppb	1.25	50	100.0	90 - 110	
205 Tl	165	1	50.23	ppb	2.61	50	100.5	90 - 110	
208 Pb	165	1	49.59	ppb	1.48	50	99.2	90 - 110	
232 Th	165	1	50.27	ppb	2.15	50	100.5	90 - 110	
238 U	165	1	49.63	ppb	2.17	50	99.3	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	371425	0.61	377196	98.5	30 - 120	
45 Sc	1	831932	1.62	842079	98.8	30 - 120	
72 Ge	1	423928	0.17	438317	96.7	30 - 120	
115 In	1	1541936	0.74	1553503	99.3	30 - 120	
165 Ho	1	3481687	1.81	3491917	99.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\088_CCB.D\088_CCB.D#
Date Acquired: Aug 26 2011 12:49 am
Operator: LRD
Sample Name: CCB-944134
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 26 2011 12:43 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.013	ppb	86.61	1.00	
51 V	72	1	0.073	ppb	32.35	1.00	
52 Cr	72	1	0.011	ppb	263.85	1.00	
55 Mn	72	1	0.047	ppb	33.96	1.00	
59 Co	72	1	0.019	ppb	41.57	1.00	
60 Ni	72	1	0.045	ppb	21.40	1.00	
63 Cu	72	1	0.065	ppb	16.98	1.00	
66 Zn	72	1	0.098	ppb	18.56	1.00	
75 As	72	1	0.030	ppb	68.96	1.00	
78 Se	72	1	-0.055	ppb	277.94	1.00	
95 Mo	72	1	0.015	ppb	95.19	1.00	
107 Ag	115	1	0.028	ppb	35.44	1.00	
111 Cd	115	1	0.030	ppb	63.35	1.00	
118 Sn	115	1	0.039	ppb	28.63	1.00	
121 Sb	115	1	0.021	ppb	27.08	1.00	
137 Ba	115	1	0.019	ppb	67.00	1.00	
205 Tl	165	1	0.044	ppb	17.82	1.00	
208 Pb	165	1	0.022	ppb	8.82	1.00	
232 Th	165	1	0.039	ppb	8.79	1.00	
238 U	165	1	0.019	ppb	2.92	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	376620	1.16	377196	99.8	30 - 120	
45 Sc	1	846809	0.45	842079	100.6	30 - 120	
72 Ge	1	433757	0.12	438317	99.0	30 - 120	
115 In	1	1556009	0.55	1553503	100.2	30 - 120	
165 Ho	1	3483116	0.86	3491917	99.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\089_BLK.D\089_BLK.D#
Date Acquired: Aug 26 2011 12:51 am
Operator: LRD
Sample Name: mb 280-82958/1-a
Misc Info: BLANK 82958 6020
Vial Number: 2510
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 26 2011 12:43 am
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.006 ppb	173.22	2.00	
51 V	72	1	0.055 ppb	32.09	2.00	
52 Cr	72	1	0.104 ppb	14.77	2.00	
55 Mn	72	1	0.101 ppb	12.50	2.00	
59 Co	72	1	0.003 ppb	24.95	2.00	
60 Ni	72	1	0.033 ppb	8.03	2.00	
63 Cu	72	1	0.033 ppb	19.85	2.00	
66 Zn	72	1	0.277 ppb	25.29	2.00	
75 As	72	1	0.010 ppb	82.21	2.00	
78 Se	72	1	-0.083 ppb	167.27	2.00	
95 Mo	72	1	0.016 ppb	45.48	2.00	
107 Ag	115	1	0.009 ppb	58.96	2.00	
111 Cd	115	1	0.002 ppb	257.62	2.00	
118 Sn	115	1	0.064 ppb	21.14	2.00	
121 Sb	115	1	0.009 ppb	53.84	2.00	
137 Ba	115	1	0.022 ppb	32.37	2.00	
205 Tl	165	1	0.033 ppb	19.68	2.00	
208 Pb	165	1	0.018 ppb	9.99	2.00	
232 Th	165	1	0.022 ppb	13.87	2.00	
238 U	165	1	0.009 ppb	17.44	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	379118	1.02	377196	100.5	30 - 120	
45 Sc	1	852017	0.77	842079	101.2	30 - 120	
72 Ge	1	430839	0.38	438317	98.3	30 - 120	
115 In	1	1549405	0.97	1553503	99.7	30 - 120	
165 Ho	1	3517914	0.43	3491917	100.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\090_LCS.D\090_LCS.D#
Date Acquired: Aug 26 2011 12:54 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: lcs 280-82958/2-a
Misc Info: LCS
Vial Number: 2511
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 26 2011 12:43 am
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	39.21	1.30	40	98.0	80 - 120	
51 V	72	1	42.45	0.28	40	106.1	80 - 120	
52 Cr	72	1	42.47	0.46	40	106.2	80 - 120	
55 Mn	72	1	42.40	0.81	40	106.0	80 - 120	
59 Co	72	1	40.66	0.76	40	101.7	80 - 120	
60 Ni	72	1	42.02	2.11	40	105.1	80 - 120	
63 Cu	72	1	42.20	1.85	40	105.5	80 - 120	
66 Zn	72	1	39.33	0.88	40	98.3	80 - 120	
75 As	72	1	39.40	0.52	40	98.5	80 - 120	
78 Se	72	1	37.16	8.60	40	92.9	80 - 120	
95 Mo	72	1	42.40	1.03	40	106.0	80 - 120	
107 Ag	115	1	41.38	0.74	40	103.5	80 - 120	
111 Cd	115	1	40.34	1.13	40	100.9	80 - 120	
118 Sn	115	1	41.73	1.10	40	104.3	80 - 120	
121 Sb	115	1	39.90	0.75	40	99.8	80 - 120	
137 Ba	115	1	41.69	0.53	40	104.2	80 - 120	
205 Tl	165	1	41.13	1.72	40	102.8	80 - 120	
208 Pb	165	1	40.69	1.95	40	101.7	80 - 120	
232 Th	165	1	41.37	1.04	40	103.4	80 - 120	
238 U	165	1	41.57	1.21	40	103.9	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	375861	1.39	377196	99.6	30 - 120	
45 Sc	1	860828	0.75	842079	102.2	30 - 120	
72 Ge	1	422543	0.60	438317	96.4	30 - 120	
115 In	1	1544904	0.52	1553503	99.4	30 - 120	
165 Ho	1	3527240	1.25	3491917	101.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\091SMPL.D\091SMPL.D#
Date Acquired: Aug 26 2011 12:57 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19492-j-1-b
Misc Info:
Vial Number: 2512
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 26 2011 12:43 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	0.00	3600	
51 V	72	1	0.05	0.05	ppb	90.75	3600	
52 Cr	72	1	0.22	0.22	ppb	7.99	3600	
55 Mn	72	1	4.17	4.17	ppb	3.18	18000	
59 Co	72	1	0.05	0.05	ppb	16.05	3600	
60 Ni	72	1	0.74	0.74	ppb	5.69	3600	
63 Cu	72	1	2.37	2.37	ppb	2.34	3600	
66 Zn	72	1	2.22	2.22	ppb	4.49	3600	
75 As	72	1	0.06	0.06	ppb	55.42	3600	
78 Se	72	1	0.31	0.31	ppb	78.61	3600	
95 Mo	72	1	0.26	0.26	ppb	10.21	3600	
107 Ag	115	1	0.01	0.01	ppb	43.45	3600	
111 Cd	115	1	0.01	0.01	ppb	97.18	3600	
118 Sn	115	1	0.28	0.28	ppb	4.88	3600	
121 Sb	115	1	0.11	0.11	ppb	7.99	3600	
137 Ba	115	1	158.00	158.00	ppb	1.08	3600	
205 Tl	165	1	0.05	0.05	ppb	31.55	3600	
208 Pb	165	1	0.27	0.27	ppb	2.42	3600	
232 Th	165	1	0.03	0.03	ppb	16.84	1000	
238 U	165	1	3.07	3.07	ppb	0.52	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	355939	1.21	377196	94.4	30 - 120	
45 Sc	1	801517	1.26	842079	95.2	30 - 120	
72 Ge	1	392770	0.84	438317	89.6	30 - 120	
115 In	1	1420308	0.89	1553503	91.4	30 - 120	
165 Ho	1	3280277	1.33	3491917	93.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\092SMPL.D\092SMPL.D#
Date Acquired: Aug 26 2011 01:00 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19493-h-1-b
Misc Info:
Vial Number: 3101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 26 2011 12:43 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	173.26	3600	
51 V	72	1	9.12	9.12	ppb	2.15	3600	
52 Cr	72	1	2.18	2.18	ppb	2.23	3600	
55 Mn	72	1	19.44	19.44	ppb	0.99	18000	
59 Co	72	1	0.18	0.18	ppb	5.97	3600	
60 Ni	72	1	1.88	1.88	ppb	7.64	3600	
63 Cu	72	1	8.83	8.83	ppb	0.70	3600	
66 Zn	72	1	84.07	84.07	ppb	0.40	3600	
75 As	72	1	2.60	2.60	ppb	5.50	3600	
78 Se	72	1	1.65	1.65	ppb	17.34	3600	
95 Mo	72	1	1.57	1.57	ppb	10.45	3600	
107 Ag	115	1	0.01	0.01	ppb	138.46	3600	
111 Cd	115	1	1.43	1.43	ppb	9.54	3600	
118 Sn	115	1	0.93	0.93	ppb	11.73	3600	
121 Sb	115	1	0.28	0.28	ppb	2.20	3600	
137 Ba	115	1	126.30	126.30	ppb	1.53	3600	
205 Tl	165	1	0.02	0.02	ppb	12.20	3600	
208 Pb	165	1	0.94	0.94	ppb	2.18	3600	
232 Th	165	1	0.01	0.01	ppb	15.13	1000	
238 U	165	1	4.73	4.73	ppb	1.58	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	361048	1.24	377196	95.7	30 - 120	
45 Sc	1	820688	0.85	842079	97.5	30 - 120	
72 Ge	1	400990	0.64	438317	91.5	30 - 120	
115 In	1	1447953	1.81	1553503	93.2	30 - 120	
165 Ho	1	3359880	2.03	3491917	96.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\093SMPL.D\093SMPL.D#
Date Acquired: Aug 26 2011 01:03 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19493-h-2-b
Misc Info:
Vial Number: 3102
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 26 2011 12:43 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	173.18	3600	
51 V	72	1	7.64	7.64	ppb	1.77	3600	
52 Cr	72	1	0.40	0.40	ppb	10.02	3600	
55 Mn	72	1	0.64	0.64	ppb	5.10	18000	
59 Co	72	1	0.07	0.07	ppb	10.60	3600	
60 Ni	72	1	0.47	0.47	ppb	10.91	3600	
63 Cu	72	1	3.78	3.78	ppb	1.28	3600	
66 Zn	72	1	135.20	135.20	ppb	0.97	3600	
75 As	72	1	2.36	2.36	ppb	7.31	3600	
78 Se	72	1	0.78	0.78	ppb	45.05	3600	
95 Mo	72	1	0.94	0.94	ppb	5.87	3600	
107 Ag	115	1	0.00	0.00	ppb	138.62	3600	
111 Cd	115	1	0.06	0.06	ppb	7.95	3600	
118 Sn	115	1	0.06	0.06	ppb	17.69	3600	
121 Sb	115	1	0.19	0.19	ppb	14.12	3600	
137 Ba	115	1	175.00	175.00	ppb	1.91	3600	
205 Tl	165	1	0.02	0.02	ppb	9.47	3600	
208 Pb	165	1	0.24	0.24	ppb	1.71	3600	
232 Th	165	1	0.01	0.01	ppb	20.73	1000	
238 U	165	1	0.98	0.98	ppb	0.94	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	370457	0.54	377196	98.2	30 - 120	
45 Sc	1	840288	1.28	842079	99.8	30 - 120	
72 Ge	1	411707	0.41	438317	93.9	30 - 120	
115 In	1	1486839	1.94	1553503	95.7	30 - 120	
165 Ho	1	3414171	0.29	3491917	97.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\094SMPL.D\094SMPL.D#
Date Acquired: Aug 26 2011 01:06 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19493-h-3-b
Misc Info:
Vial Number: 3103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 26 2011 12:43 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	100.62	3600	
51 V	72	1	11.78	11.78	ppb	2.47	3600	
52 Cr	72	1	1.82	1.82	ppb	2.49	3600	
55 Mn	72	1	0.13	0.13	ppb	14.03	18000	
59 Co	72	1	0.07	0.07	ppb	3.31	3600	
60 Ni	72	1	0.33	0.33	ppb	4.57	3600	
63 Cu	72	1	18.69	18.69	ppb	1.97	3600	
66 Zn	72	1	15.04	15.04	ppb	1.68	3600	
75 As	72	1	3.33	3.33	ppb	2.23	3600	
78 Se	72	1	0.43	0.43	ppb	78.81	3600	
95 Mo	72	1	2.11	2.11	ppb	2.40	3600	
107 Ag	115	1	0.00	0.00	ppb	176.34	3600	
111 Cd	115	1	0.01	0.01	ppb	41.75	3600	
118 Sn	115	1	0.06	0.06	ppb	6.37	3600	
121 Sb	115	1	0.10	0.10	ppb	8.18	3600	
137 Ba	115	1	78.02	78.02	ppb	1.64	3600	
205 Tl	165	1	0.01	0.01	ppb	24.52	3600	
208 Pb	165	1	0.23	0.23	ppb	0.41	3600	
232 Th	165	1	0.00	0.00	ppb	38.36	1000	
238 U	165	1	6.79	6.79	ppb	0.57	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	368620	0.95	377196	97.7	30 - 120	
45 Sc	1	847422	0.70	842079	100.6	30 - 120	
72 Ge	1	413845	0.23	438317	94.4	30 - 120	
115 In	1	1499134	0.97	1553503	96.5	30 - 120	
165 Ho	1	3409923	0.76	3491917	97.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\095_CCV.D\095_CCV.D#
Date Acquired: Aug 26 2011 01:09 am
Operator: LRD
Sample Name: CCV-944128
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 26 2011 12:43 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	49.90	ppb	1.66	50	99.8	90 - 110	
51 V	72	1	50.38	ppb	0.49	50	100.8	90 - 110	
52 Cr	72	1	50.12	ppb	0.90	50	100.2	90 - 110	
55 Mn	72	1	50.16	ppb	1.35	50	100.3	90 - 110	
59 Co	72	1	48.79	ppb	0.35	50	97.6	90 - 110	
60 Ni	72	1	50.52	ppb	1.59	50	101.0	90 - 110	
63 Cu	72	1	50.01	ppb	0.71	50	100.0	90 - 110	
66 Zn	72	1	50.25	ppb	1.89	50	100.5	90 - 110	
75 As	72	1	50.69	ppb	0.55	50	101.4	90 - 110	
78 Se	72	1	51.33	ppb	3.94	50	102.7	90 - 110	
95 Mo	72	1	50.13	ppb	0.53	50	100.3	90 - 110	
107 Ag	115	1	49.93	ppb	0.37	50	99.9	90 - 110	
111 Cd	115	1	49.93	ppb	1.80	50	99.9	90 - 110	
118 Sn	115	1	49.52	ppb	0.57	50	99.0	90 - 110	
121 Sb	115	1	49.71	ppb	0.93	50	99.4	90 - 110	
137 Ba	115	1	49.73	ppb	0.46	50	99.5	90 - 110	
205 Tl	165	1	49.66	ppb	1.28	50	99.3	90 - 110	
208 Pb	165	1	49.36	ppb	0.47	50	98.7	90 - 110	
232 Th	165	1	50.01	ppb	1.76	50	100.0	90 - 110	
238 U	165	1	49.12	ppb	1.67	50	98.2	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	379542	0.56	377196	100.6	30 - 120	
45 Sc	1	871710	1.84	842079	103.5	30 - 120	
72 Ge	1	434212	0.79	438317	99.1	30 - 120	
115 In	1	1566652	0.47	1553503	100.8	30 - 120	
165 Ho	1	3489701	0.74	3491917	99.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\096_CCB.D\096_CCB.D#
Date Acquired: Aug 26 2011 01:12 am
Operator: LRD
Sample Name: CCB-944134
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 26 2011 12:43 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.031	ppb	68.05	1.00	
51 V	72	1	0.040	ppb	82.34	1.00	
52 Cr	72	1	0.011	ppb	263.59	1.00	
55 Mn	72	1	0.018	ppb	39.53	1.00	
59 Co	72	1	0.018	ppb	31.62	1.00	
60 Ni	72	1	0.031	ppb	54.17	1.00	
63 Cu	72	1	0.055	ppb	24.81	1.00	
66 Zn	72	1	0.074	ppb	20.74	1.00	
75 As	72	1	0.018	ppb	39.77	1.00	
78 Se	72	1	0.113	ppb	76.12	1.00	
95 Mo	72	1	-0.003	ppb	419.90	1.00	
107 Ag	115	1	0.023	ppb	23.39	1.00	
111 Cd	115	1	0.012	ppb	10.09	1.00	
118 Sn	115	1	0.043	ppb	13.44	1.00	
121 Sb	115	1	0.016	ppb	11.68	1.00	
137 Ba	115	1	0.030	ppb	40.90	1.00	
205 Tl	165	1	0.034	ppb	19.12	1.00	
208 Pb	165	1	0.018	ppb	3.05	1.00	
232 Th	165	1	0.032	ppb	10.52	1.00	
238 U	165	1	0.015	ppb	4.40	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	382418	1.30	377196	101.4	30 - 120	
45 Sc	1	863542	2.11	842079	102.5	30 - 120	
72 Ge	1	441791	0.49	438317	100.8	30 - 120	
115 In	1	1554903	1.62	1553503	100.1	30 - 120	
165 Ho	1	3501592	0.59	3491917	100.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\097AREF.D\097AREF.D#
Date Acquired: Aug 26 2011 01:15 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19493-v-4-a
Misc Info:
Vial Number: 3104
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 26 2011 12:43 am
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	173.18	3600	
51 V	72	1	11.70	11.70	ppb	2.74	3600	
52 Cr	72	1	1.41	1.41	ppb	4.90	3600	
55 Mn	72	1	1.29	1.29	ppb	3.90	18000	
59 Co	72	1	0.06	0.06	ppb	6.45	3600	
60 Ni	72	1	0.34	0.34	ppb	3.93	3600	
63 Cu	72	1	1.70	1.70	ppb	2.75	3600	
66 Zn	72	1	95.94	95.94	ppb	0.90	3600	
75 As	72	1	3.24	3.24	ppb	3.13	3600	
78 Se	72	1	1.19	1.19	ppb	49.39	3600	
95 Mo	72	1	1.32	1.32	ppb	3.76	3600	
107 Ag	115	1	0.00	0.00	ppb	66.28	3600	
111 Cd	115	1	0.01	0.01	ppb	145.80	3600	
118 Sn	115	1	0.05	0.05	ppb	9.36	3600	
121 Sb	115	1	0.14	0.14	ppb	7.48	3600	
137 Ba	115	1	96.89	96.89	ppb	0.74	3600	
205 Tl	165	1	0.04	0.04	ppb	32.33	3600	
208 Pb	165	1	3.51	3.51	ppb	0.72	3600	
232 Th	165	1	0.02	0.02	ppb	16.09	1000	
238 U	165	1	6.87	6.87	ppb	1.39	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	362837	0.87	377196	96.2	30 - 120	
45 Sc	1	841165	0.69	842079	99.9	30 - 120	
72 Ge	1	410239	0.36	438317	93.6	30 - 120	
115 In	1	1471986	0.77	1553503	94.8	30 - 120	
165 Ho	1	3383742	1.02	3491917	96.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\098SDIL.D\098SDIL.D#
Date Acquired: Aug 26 2011 01:18 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19493-v-4-a SD@5
Misc Info: SERIAL DILUTION
Vial Number: 3105
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 26 2011 12:43 am
Sample Type: SDIL
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG082511.B\097AREF.D\097AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	0.01	ppb	173.14	0.00	487.3	90 - 110	
51 V	72	1	2.29	ppb	4.58	2.34	97.6	90 - 110	
52 Cr	72	1	0.28	ppb	9.67	0.28	97.9	90 - 110	
55 Mn	72	1	0.28	ppb	11.15	0.26	106.6	90 - 110	
59 Co	72	1	0.01	ppb	16.26	0.01	70.0	90 - 110	
60 Ni	72	1	0.08	ppb	10.03	0.07	117.1	90 - 110	
63 Cu	72	1	0.36	ppb	6.86	0.34	105.2	90 - 110	
66 Zn	72	1	19.95	ppb	0.69	19.19	104.0	90 - 110	
75 As	72	1	0.72	ppb	1.89	0.65	110.7	90 - 110	
78 Se	72	1	0.55	ppb	24.89	0.24	230.2	90 - 110	
95 Mo	72	1	0.26	ppb	22.98	0.26	96.5	90 - 110	
107 Ag	115	1	0.00	ppb	61.56	0.00	-145.9	90 - 110	
111 Cd	115	1	0.01	ppb	35.66	0.00	612.8	90 - 110	
118 Sn	115	1	0.06	ppb	30.80	0.01	517.3	90 - 110	
121 Sb	115	1	0.03	ppb	26.46	0.03	126.1	90 - 110	
137 Ba	115	1	19.28	ppb	0.72	19.38	99.5	90 - 110	
205 Tl	165	1	0.01	ppb	9.65	0.01	115.2	90 - 110	
208 Pb	165	1	0.64	ppb	0.69	0.70	91.8	90 - 110	
232 Th	165	1	0.01	ppb	73.88	0.00	168.6	90 - 110	
238 U	165	1	1.38	ppb	0.78	1.37	100.3	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	371849	0.63	377196	98.6	30 - 120	
45 Sc	1	849652	1.02	842079	100.9	30 - 120	
72 Ge	1	429830	0.45	438317	98.1	30 - 120	
115 In	1	1522962	0.37	1553503	98.0	30 - 120	
165 Ho	1	3455524	0.71	3491917	99.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File:	C:\ICPCHEM\1\DATA\AG082511.B\099PDS.D\099PDS.D#
Date Acquired:	Aug 26 2011 01:21 am
Acq. Method:	NormISIS.M
Operator:	LRD
Sample Name:	280-19493-v-4-a PDS
Misc Info:	POST DIGESTION SPIKE
Vial Number:	3106
Current Method:	C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File:	C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update:	Aug 26 2011 12:43 am
Sample Type:	PDS
Prep Dil. Factor:	1.00
Autodil Factor:	Undiluted
Final Dil Factor:	1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Spike Ref. File: ---

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	196.60	0.01	ppb	0.80	200	98.3	75 - 125	
51 V	72	1	226.70	11.70	ppb	1.42	200	107.1	75 - 125	
52 Cr	72	1	210.80	1.41	ppb	1.47	200	104.7	75 - 125	
55 Mn	72	1	215.00	1.29	ppb	1.79	200	106.8	75 - 125	
59 Co	72	1	201.70	0.06	ppb	1.54	200	100.8	75 - 125	
60 Ni	72	1	198.10	0.34	ppb	0.68	200	98.9	75 - 125	
63 Cu	72	1	201.10	1.70	ppb	0.93	200	99.7	75 - 125	
66 Zn	72	1	282.20	95.94	ppb	0.50	200	95.4	75 - 125	
75 As	72	1	199.50	3.23	ppb	0.31	200	98.2	75 - 125	
78 Se	72	1	191.60	1.19	ppb	0.64	200	95.2	75 - 125	
95 Mo	72	1	211.20	1.32	ppb	1.22	200	104.9	75 - 125	
107 Ag	115	1	48.49	0.00	ppb	2.92	50	97.0	75 - 125	
111 Cd	115	1	196.40	0.01	ppb	1.67	200	98.2	75 - 125	
118 Sn	115	1	204.10	0.05	ppb	2.07	200	102.0	75 - 125	
121 Sb	115	1	198.10	0.14	ppb	1.88	200	99.0	75 - 125	
137 Ba	115	1	300.30	96.89	ppb	2.06	200	101.1	75 - 125	
205 Tl	165	1	192.50	0.04	ppb	0.64	200	96.2	75 - 125	
208 Pb	165	1	199.20	3.51	ppb	0.53	200	97.9	75 - 125	
232 Th	165	1	0.10	0.02	ppb	5.12	200	0.0	75 - 125	
238 U	165	1	205.50	6.87	ppb	3.09	200	99.3	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	353316	0.51	377196	93.7	30 - 120	
45 Sc	1	805546	1.30	842079	95.7	30 - 120	
72 Ge	1	395016	0.72	438317	90.1	30 - 120	
115 In	1	1439406	1.94	1553503	92.7	30 - 120	
165 Ho	1	3316667	0.69	3491917	95.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures — 0 :Max. Number of Failures Allowed
0 :ISTD Failures — 0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\100_MS.D\100_MS.D#
Date Acquired: Aug 26 2011 01:24 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19493-v-4-b ms
Misc Info: MATRIX SPIKE
Vial Number: 3107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 26 2011 12:43 am
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	41.20	0.01	ppb	1.34	40	103.0	50 - 150	
51 V	72	1	55.09	11.70	ppb	1.67	40	106.6	50 - 150	
52 Cr	72	1	42.79	1.41	ppb	1.71	40	103.3	50 - 150	
55 Mn	72	1	43.35	1.29	ppb	1.19	40	105.0	50 - 150	
59 Co	72	1	40.11	0.06	ppb	1.30	40	100.1	50 - 150	
60 Ni	72	1	41.73	0.34	ppb	0.60	40	103.4	50 - 150	
63 Cu	72	1	42.97	1.70	ppb	0.85	40	103.1	50 - 150	
66 Zn	72	1	134.80	95.94	ppb	0.92	40	99.2	50 - 150	
75 As	72	1	43.78	3.23	ppb	0.43	40	101.3	50 - 150	
78 Se	72	1	41.81	1.19	ppb	2.22	40	101.5	50 - 150	
95 Mo	72	1	45.11	1.32	ppb	1.47	40	109.2	50 - 150	
107 Ag	115	1	39.74	0.00	ppb	1.37	40	99.3	50 - 150	
111 Cd	115	1	39.89	0.01	ppb	1.03	40	99.7	50 - 150	
118 Sn	115	1	42.37	0.05	ppb	2.25	40	105.8	50 - 150	
121 Sb	115	1	41.48	0.14	ppb	1.18	40	103.3	50 - 150	
137 Ba	115	1	139.40	96.89	ppb	0.24	40	101.8	50 - 150	
205 Tl	165	1	41.14	0.04	ppb	1.04	40	102.7	50 - 150	
208 Pb	165	1	40.79	3.51	ppb	1.29	40	93.8	50 - 150	
232 Th	165	1	42.60	0.02	ppb	1.30	40	106.5	50 - 150	
238 U	165	1	49.48	6.87	ppb	0.54	40	105.6	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	348339	1.03	377196	92.3	30 - 120	
45 Sc	1	796415	1.86	842079	94.6	30 - 120	
72 Ge	1	387686	0.80	438317	88.4	30 - 120	
115 In	1	1421682	0.43	1553503	91.5	30 - 120	
165 Ho	1	3256841	0.81	3491917	93.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\101_MSD.D\101_MSD.D#
Date Acquired: Aug 26 2011 01:27 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19493-v-4-c msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 3108
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 26 2011 12:43 am
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG082511.B\100_MS.D\100_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	41.70	ppb	1.52	41.20	1.21	20	
51 V	72	1	54.26	ppb	1.04	55.09	1.52	20	
52 Cr	72	1	43.37	ppb	1.15	42.79	1.35	20	
55 Mn	72	1	43.32	ppb	1.67	43.35	0.07	20	
59 Co	72	1	40.35	ppb	1.73	40.11	0.60	20	
60 Ni	72	1	41.32	ppb	2.38	41.73	0.99	20	
63 Cu	72	1	42.38	ppb	1.52	42.97	1.38	20	
66 Zn	72	1	133.60	ppb	0.71	134.80	0.89	20	
75 As	72	1	43.96	ppb	1.23	43.78	0.41	20	
78 Se	72	1	40.90	ppb	6.35	41.81	2.20	20	
95 Mo	72	1	44.90	ppb	0.43	45.11	0.47	20	
107 Ag	115	1	39.62	ppb	1.09	39.74	0.30	20	
111 Cd	115	1	39.76	ppb	0.92	39.89	0.33	20	
118 Sn	115	1	42.15	ppb	0.69	42.37	0.52	20	
121 Sb	115	1	40.88	ppb	0.29	41.48	1.46	20	
137 Ba	115	1	138.40	ppb	0.26	139.40	0.72	20	
205 Tl	165	1	41.12	ppb	1.54	41.14	0.05	20	
208 Pb	165	1	40.86	ppb	1.32	40.79	0.17	20	
232 Th	165	1	43.69	ppb	0.92	42.60	2.53	20	
238 U	165	1	50.27	ppb	0.50	49.48	1.58	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	341463	0.49	377196	90.5	30 - 120	
45 Sc	1	774731	0.66	842079	92.0	30 - 120	
72 Ge	1	381755	0.80	438317	87.1	30 - 120	
115 In	1	1413273	0.37	1553503	91.0	30 - 120	
165 Ho	1	3241230	1.10	3491917	92.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\102SMPL.D\102SMPL.D#
Date Acquired: Aug 26 2011 01:30 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19493-h-5-b
Misc Info:
Vial Number: 3109
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 26 2011 12:43 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	0.78	3600	
51 V	72	1	11.49	11.49	ppb	2.78	3600	
52 Cr	72	1	0.87	0.87	ppb	2.61	3600	
55 Mn	72	1	1.22	1.22	ppb	3.89	18000	
59 Co	72	1	0.05	0.05	ppb	8.48	3600	
60 Ni	72	1	0.43	0.43	ppb	13.52	3600	
63 Cu	72	1	1.45	1.45	ppb	1.77	3600	
66 Zn	72	1	99.14	99.14	ppb	0.25	3600	
75 As	72	1	3.27	3.27	ppb	5.51	3600	
78 Se	72	1	1.14	1.14	ppb	4.78	3600	
95 Mo	72	1	1.41	1.41	ppb	11.08	3600	
107 Ag	115	1	0.01	0.01	ppb	49.74	3600	
111 Cd	115	1	0.02	0.02	ppb	35.35	3600	
118 Sn	115	1	0.07	0.07	ppb	35.76	3600	
121 Sb	115	1	0.16	0.16	ppb	2.50	3600	
137 Ba	115	1	97.54	97.54	ppb	0.47	3600	
205 Tl	165	1	0.03	0.03	ppb	29.69	3600	
208 Pb	165	1	0.45	0.45	ppb	0.63	3600	
232 Th	165	1	0.03	0.03	ppb	10.45	1000	
238 U	165	1	7.43	7.43	ppb	1.79	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	336888	0.78	377196	89.3	30 - 120	
45 Sc	1	782546	1.56	842079	92.9	30 - 120	
72 Ge	1	383517	0.27	438317	87.5	30 - 120	
115 In	1	1392556	0.53	1553503	89.6	30 - 120	
165 Ho	1	3201326	1.06	3491917	91.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\103_CCV.D\103_CCV.D#
Date Acquired: Aug 26 2011 01:32 am
Operator: LRD
Sample Name: CCV-944128
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 26 2011 12:43 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	49.10	ppb	2.29	50	98.2	90 - 110	
51 V	72	1	49.63	ppb	0.33	50	99.3	90 - 110	
52 Cr	72	1	49.52	ppb	1.40	50	99.0	90 - 110	
55 Mn	72	1	49.71	ppb	0.76	50	99.4	90 - 110	
59 Co	72	1	47.63	ppb	1.29	50	95.3	90 - 110	
60 Ni	72	1	50.21	ppb	0.93	50	100.4	90 - 110	
63 Cu	72	1	49.71	ppb	1.31	50	99.4	90 - 110	
66 Zn	72	1	49.44	ppb	0.90	50	98.9	90 - 110	
75 As	72	1	50.00	ppb	1.10	50	100.0	90 - 110	
78 Se	72	1	54.21	ppb	1.51	50	108.4	90 - 110	
95 Mo	72	1	50.47	ppb	2.02	50	100.9	90 - 110	
107 Ag	115	1	49.30	ppb	0.95	50	98.6	90 - 110	
111 Cd	115	1	49.66	ppb	1.72	50	99.3	90 - 110	
118 Sn	115	1	49.69	ppb	1.60	50	99.4	90 - 110	
121 Sb	115	1	49.71	ppb	1.82	50	99.4	90 - 110	
137 Ba	115	1	49.90	ppb	1.41	50	99.8	90 - 110	
205 Tl	165	1	50.10	ppb	1.09	50	100.2	90 - 110	
208 Pb	165	1	49.56	ppb	0.69	50	99.1	90 - 110	
232 Th	165	1	51.32	ppb	2.73	50	102.6	90 - 110	
238 U	165	1	50.41	ppb	1.10	50	100.8	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	343647	1.26	377196	91.1	30 - 120	
45 Sc	1	782161	0.57	842079	92.9	30 - 120	
72 Ge	1	400141	0.98	438317	91.3	30 - 120	
115 In	1	1466044	1.60	1553503	94.4	30 - 120	
165 Ho	1	3294649	1.24	3491917	94.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\104_CCB.D\104_CCB.D#
Date Acquired: Aug 26 2011 01:35 am
Operator: LRD
Sample Name: CCB-944134
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 26 2011 12:43 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.020	ppb	99.90	1.00	
51 V	72	1	0.026	ppb	61.40	1.00	
52 Cr	72	1	0.018	ppb	89.41	1.00	
55 Mn	72	1	0.015	ppb	34.66	1.00	
59 Co	72	1	0.015	ppb	58.36	1.00	
60 Ni	72	1	0.034	ppb	8.37	1.00	
63 Cu	72	1	0.056	ppb	29.12	1.00	
66 Zn	72	1	0.079	ppb	11.86	1.00	
75 As	72	1	0.016	ppb	41.34	1.00	
78 Se	72	1	0.002	ppb	3054.80	1.00	
95 Mo	72	1	0.002	ppb	879.90	1.00	
107 Ag	115	1	0.021	ppb	11.55	1.00	
111 Cd	115	1	0.020	ppb	38.94	1.00	
118 Sn	115	1	0.040	ppb	25.94	1.00	
121 Sb	115	1	0.025	ppb	14.68	1.00	
137 Ba	115	1	0.026	ppb	59.89	1.00	
205 Tl	165	1	0.037	ppb	13.03	1.00	
208 Pb	165	1	0.019	ppb	17.77	1.00	
232 Th	165	1	0.034	ppb	13.96	1.00	
238 U	165	1	0.019	ppb	11.47	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	349611	1.05	377196	92.7	30 - 120	
45 Sc	1	774029	0.78	842079	91.9	30 - 120	
72 Ge	1	405109	0.16	438317	92.4	30 - 120	
115 In	1	1465455	0.99	1553503	94.3	30 - 120	
165 Ho	1	3295158	1.37	3491917	94.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

83214-6020 water
83215-200.8
83216-soil

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Denver

ICP/MS Technical Data Review Checklist

Lab Project ID Number(s): see attached cover sheet Check Method/SOP Used: ☐6020/DV-MT-0018 ☐200.8/DV-MT-0002

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments & Samples Affected
Tune					
1. Tune solution analyzed min. of 4 times for 6020 or 5 times for 200.8?	✓				
2. Tune RSD <5%?	✓				
2. Resolution ≤ 0.9 AMU full width at 10% peak height? **NOTE**: This also satisfies 200.8, 1.0 AMU at 5% peak height	✓				
Initial Calibration					
1. Done with a minimum of 3 integrations of a high standard and blank?	✓				
2. ICV/CCV run at beginning of run, 10% frequency, and end of run? Results with 10% of expected value?	✓				
3. ICB/CCB run at beginning of run, 10% frequency, and end of run? Results +/- RL	✓				
4. ICSA/AB analyzed at beginning of run and every 12 hours and results 80-120% of TV?	✓				
5. RL Std analyzed at beginning of run and results +/- 50% of TV(for AFCEE 4.0, DoD V3 +/- 20% of true value)?	✓				
Client Samples & QC Sample Results					
1. Were all samples within linear range, ≤ 90% of LDR for 200.8?	✓				
2. Dilutions due to target elements?____ Dilutions for other reasons?____		✓			
3. All reported results bracketed by in control QC?	✓				
4. All 6020 internal standards for all analyses 30-120% of intensities in blank or all 200.8 internal standards 60-125%?	✓				
5. Was a 5X serial dilution analyzed for 6020 and, if so, are results ± 10% of original result, if original ≥ 100x MDL?	✓				
6. LCS included in batch and within QC limits?	✓				
7. Method blank included and <1/2RL?	✓				
8. MS and MSD included in batch?	✓				
9. PDS analyzed and recovery 75-125%?	✓				
10. Manual calculations documented properly and checked?	✓				
11. Are non-conformances documented on an NCM?	✓				
12. Is the appropriate raw data included?	✓				
13. Are all results manually entered into LIMS verified? Are all electronic data files archived to the appropriate network locations?	✓				
14. Were special client requirements met?	✓				

1st Level Reviewer: [signature] Date: 8/26/11

2nd Level Reviewer: [signature] Date: 8/26/11

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Batch Number: 82729 Batch Start Date: 08/25/11 05:30 Batch Analyst: Ivey, Crystal L

Batch Method: 3050B Batch End Date: 08/25/11 10:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ICP SPK 2A 00030	ICP SPK 3A 00031		
MB 280-82729/1		3050B, 6010B		10.64 g	500 mL				
LCS 280-82729/2		3050B, 6010B		10.41 g	500 mL	5 mL	5 mL		
280-19386-A-1-B	NWO-178-0001	3050B, 6010B	T	10.21 g	500 mL				
280-19386-A-2-B	NWO-178-0002	3050B, 6010B	T	10.33 g	500 mL				
280-19386-A-3-D	NWO-178-0003	3050B, 6010B	T	10.56 g	500 mL				
280-19386-A-3-E MS	NWO-178-0003	3050B, 6010B	T	10.80 g	500 mL	5 mL	5 mL		
280-19386-A-3-F MSD	NWO-178-0003	3050B, 6010B	T	10.16 g	500 mL	5 mL	5 mL		
280-19386-A-4-B	NWO-178-0004	3050B, 6010B	T	10.72 g	500 mL				
280-19386-A-5-B	NWO-178-0005	3050B, 6010B	T	10.10 g	500 mL				
280-19386-A-6-B	NWO-178-0006	3050B, 6010B	T	10.18 g	500 mL				
280-19386-A-7-B	NWO-178-0009	3050B, 6010B	T	10.61 g	500 mL				
280-19386-A-8-B	NWO-178-0010	3050B, 6010B	T	10.31 g	500 mL				
280-19386-A-9-B	NWO-178-5001	3050B, 6010B	T	10.85 g	500 mL				

Batch Notes	
Balance ID	M28318
Hydrogen peroxide lot number	J33A03
Lot # of hydrochloric acid	K20033
Lot # of Nitric Acid	K19023
Hood ID or number	06
Hot Block ID number	MI1
Oven, Bath or Block Temperature 1	90 Degrees C
Oven, Bath or Block Temperature 2	90 Degrees C
Pipette ID	MET-019
ID number of the thermometer	291065
Digestion Tube/Cup Lot #	1012120

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-19386-1

SDG No.:

Batch Number: 82731 Batch Start Date: 08/25/11 06:00 Batch Analyst: Ivey, Crystal L

Batch Method: 3050B Batch End Date: 08/25/11 11:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MS CALSTD-1 00048	MS CALSTD-2 00046		
MB 280-82731/1		3050B, 6020		10.05 g	500 mL				
LCS 280-82731/2		3050B, 6020		10.50 g	500 mL	5 mL	5 mL		
280-19386-A-1-B	NWO-178-0001	3050B, 6020	T	10.91 g	500 mL				
280-19386-A-2-B	NWO-178-0002	3050B, 6020	T	10.42 g	500 mL				
280-19386-A-3-D	NWO-178-0003	3050B, 6020	T	10.06 g	500 mL				
280-19386-A-3-E MS	NWO-178-0003	3050B, 6020	T	10.25 g	500 mL	5 mL	5 mL		
280-19386-A-3-F MSD	NWO-178-0003	3050B, 6020	T	10.63 g	500 mL	5 mL	5 mL		
280-19386-A-4-B	NWO-178-0004	3050B, 6020	T	10.05 g	500 mL				
280-19386-A-5-B	NWO-178-0005	3050B, 6020	T	10.26 g	500 mL				
280-19386-A-6-B	NWO-178-0006	3050B, 6020	T	10.66 g	500 mL				
280-19386-A-7-B	NWO-178-0009	3050B, 6020	T	10.18 g	500 mL				
280-19386-A-8-B	NWO-178-0010	3050B, 6020	T	10.91 g	500 mL				
280-19386-A-9-B	NWO-178-5001	3050B, 6020	T	10.42 g	500 mL				

Batch Notes	
Balance ID	M28318
Hydrogen peroxide lot number	J24J00
Lot # of hydrochloric acid	K20033
Lot # of Nitric Acid	K19023
Hood ID or number	06
Hot Block ID number	MI1
Oven, Bath or Block Temperature 1	90 Degrees C
Oven, Bath or Block Temperature 2	95 Degrees C
Pipette ID	MET-019
ID number of the thermometer	291065
Digestion Tube/Cup Lot #	1012120

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

TestAmerica
ANALYTICAL TESTING CORPORATION

CHAIN OF CUSTODY RECORD
AR/COC No. NWO-178-001

4.3°C
8224
R

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?

Compliance Monitoring? No
Enforcement Action? No

Client Name/Account #: Shaw Environmental, Inc.
Address: 312 Directors Drive
City/State/Zip: Knoxville, TN 37923
Project Chemist: Tim Roth
Telephone Number: 865.560.5272 Fax No.: 865.693.4944
Sampler Name: (Print) Laura Jorgensen
Sampler Signature: LJorgensen

Report To: Tim Roth
Invoice To: Tim Roth
TA Quote #: 73382
Project ID: Pocatello Bombing Range No. 3
Project #: 116188.17808000

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Incremental Sample Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	None (Black Label)	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sediment	Soil	Other (specify):	Analyze For: Explosives by SW-846 8330B (IS Sample Bag)	Ball - Mill Grinder Prep (Explosives only)	Aluminum by SW846 6010B (IS Sample Bag)	Barium by SW846 6020 (IS Sample Bag)	Anthracene and Hexachloroethane by SW-846 8270C (IS Sample Bag)					RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results	Send QC with report	
NWO-178-0001	8-18-11	1551	1		X	NA	X												X		X	X	X	X	X						X		X	
NWO-178-0002	8-19-11	1617	1		X	NA	X												X		X	X	X	X	X						X		X	
NWO-178-0003	8-19-11	1506	1		X	NA	X												X		X	X	X	X	X						X		X	
NWO-178-0003-MS	8-19-11	1506	1		X	NA	X												X		X	X	X	X	X						X		X	
NWO-178-0003-MSD	8-19-11	1506	1		X	NA	X												X		X	X	X	X	X						X		X	
NWO-178-0004	8-20-11	0938	1		X	NA	X												X		X	X	X	X	X						X		X	
NWO-178-0005	8-19-11	1051	1		X	NA	X												X		X	X	X	X	X						X		X	
~~NWO-178-0006~~	~~8-18-11~~	~~1735~~	~~1~~		~~X~~	~~NA~~	~~X~~												~~X~~		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						~~X~~		~~X~~	LHJ 8-22-11
~~NWO-178-0007~~			~~1~~		~~X~~	~~NA~~	~~X~~												~~X~~		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						~~X~~		~~X~~	LHJ 8-22-11
~~NWO-178-0008~~			~~1~~		~~X~~	~~NA~~	~~X~~												~~X~~		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						~~X~~		~~X~~	LHJ 8-22-11
~~NWO-178-0009~~	~~8-18-11~~	~~1649~~	~~1~~		~~X~~	~~NA~~	~~X~~												~~X~~		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						~~X~~		~~X~~	LHJ 8-22-11
~~NWO-178-0010~~	~~8-19-11~~	~~0921~~	~~1~~		~~X~~	~~NA~~	~~X~~												~~X~~		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						~~X~~		~~X~~	LHJ 8-22-11
~~NWO-178-5001~~	~~8-17-11~~	~~1740~~	~~1~~		~~X~~	~~NA~~	~~X~~												~~X~~				~~X~~	~~X~~	~~X~~						~~X~~		~~X~~	LHJ 8-22-11

Special Instructions:
Level IV data package / SEDD 2a EDD / 21 Calendar TAT

Method of Shipment: HAND DELIVERED ~~FEDEX~~

Laboratory Comments:
Temperature Upon Receipt:
VOCs Free of Headspace? Y N

Relinquished by:	Date	Time	Received by:	Date	Time
LJorgensen	8-22-11 ~~8900~~ LJ 8-22-11	0900	Beth Lad	8-22-11	9:20
Relinquished by: Beth Lad	8-22-11	9:20	Received by TestAmerica:	8-22-11	1010

TestAmerica
ANALYTICAL TESTING CORPORATION

CHAIN OF CUSTODY RECORD
AR/COC No. NWO-178-001

4.4°C

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?

Compliance Monitoring? No

Enforcement Action? No

Client Name/Account #: Shaw Environmental, Inc.

Address: 312 Directors Drive

City/State/Zip: Knoxville, TN 37923

Project Chemist: Tim Roth

Telephone Number: 865.560.5272 Fax No.: 865.693.4944

Sampler Name: (Print) Laura Jorgensen

Sampler Signature: LJorgensen

Report To: Tim Roth

Invoice To: Tim Roth

TA Quote #: 73382

Project ID: Pocatello Bombing Range No. 3

Project #: 116188.17808000

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Incremental Sample Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	None (Black Label)	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sediment	Soil	Other (specify):	Analyze For: Explosives by SW-846 8330B (IS Sample Bag)	Ball - Mill Grinder Prep (Explosives only)	Aluminum by SW846 6010B (IS Sample Bag)	Barium by SW846 6020 (IS Sample Bag)	Anthracene and Hexachloroethane by SW-846 8270C (IS Sample Bag)					RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results	Send QC with report	
~~NWO-178-0001~~	~~8-18-11~~	~~1551~~	~~1~~		~~X~~	~~NA~~	~~X~~												~~X~~		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						~~X~~		~~X~~	LHJ 8-22-11
~~NWO-178-0002~~	~~8-19-11~~	~~1617~~	~~1~~		~~X~~	~~NA~~	~~X~~												~~X~~		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						~~X~~		~~X~~	LHJ 8-22-11
~~NWO-178-0003~~	~~8-19-11~~	~~1506~~	~~1~~		~~X~~	~~NA~~	~~X~~												~~X~~		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						~~X~~		~~X~~	LHJ 8-22-11
~~NWO-178-0003-MS~~	~~8-19-11~~	~~1506~~	~~1~~		~~X~~	~~NA~~	~~X~~												~~X~~		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						~~X~~		~~X~~	LHJ 8-22-11
~~NWO-178-0003-MSD~~	~~8-19-11~~	~~1506~~	~~1~~		~~X~~	~~NA~~	~~X~~												~~X~~		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						~~X~~		~~X~~	LHJ 8-22-11
~~NWO-178-0004~~	~~8-20-11~~	~~0938~~	~~1~~		~~X~~	~~NA~~	~~X~~												~~X~~		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						~~X~~		~~X~~	LHJ 8-22-11
~~NWO-178-0005~~	~~8-19-11~~	~~1051~~	~~1~~		~~X~~	~~NA~~	~~X~~												~~X~~		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						~~X~~		~~X~~	LHJ 8-22-11
NWO-178-0006	8-18-11	1735	1		X	NA	X												X		X	X	X	X	X						X		X	
~~NWO-178-0007~~			~~1~~		~~X~~	~~NA~~	~~X~~												~~X~~		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						~~X~~		~~X~~	LHJ 8-20-11
~~NWO-178-0008~~			~~1~~		~~X~~	~~NA~~	~~X~~												~~X~~		~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						~~X~~		~~X~~	LHJ 8-20-11
NWO-178-0009	8-18-11	1649	1		X	NA	X												X		X	X	X	X	X						X		X	
NWO-178-0010	8-19-11	0921	1		X	NA	X												X		X	X	X	X	X						X		X	
NWO-178-5001	8-17-11	1740	1		X	NA	X												X				X	X	X						X		X	

Special Instructions:
Level IV data package / SEDD 2a EDD / 21 Calendar TAT

Method of Shipment: HAND DELIVERED ~~FEDEX~~

Laboratory Comments:
Temperature Upon Receipt:
VOCs Free of Headspace? Y N

Relinquished by:	Date	Time	Received by:	Date	Time
LJorgensen	8-22-11	0900	[illegible]	8-22-11	9:20
[illegible]	8-22-11	9:20	[illegible]	8-22-11	1010

Relinquished by: Received by TestAmerica:

Login Sample Receipt Checklist

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19386-1

Login Number: 19386

List Source: TestAmerica Denver

List Number: 1

Creator: Cofoid, Stephen T

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Job Number: 280-19387-1

Job Description: FUDS MMRP SI - Pocatello BR No. 3

For:
Shaw Environmental & Infrastructure, Inc
312 Directors Drive
Knoxville, TN 37923

Attention: Mr. Tim Roth

Approved for release.
Elaine Walker
Project Manager I
9/13/2011 3:41 PM

Elaine Walker
Project Manager I
elaine.walker@testamericainc.com
09/13/2011

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

The Lab Certification ID# is E87667.

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

TestAmerica Laboratories, Inc.
TestAmerica Denver 4955 Yarrow Street, Arvada, CO 80002
Tel (303) 736-0100 Fax (303) 431-7171 www.testamericainc.com

Table of Contents

Cover Title Page 1

Data Summaries 5

Report Narrative 5

Manual Integration Summary 7

Sample Summary 8

Executive Summary 9

Method Summary 10

Method / Analyst Summary 11

Sample Datasheets 12

Surrogate Summary 20

QC Data Summary 22

Data Qualifiers 31

QC Association Summary 32

Lab Chronicle 35

Certification Summary 38

Organic Sample Data 39

GC/MS Semi VOA 39

Method 8270C DOD 39

Method 8270C DOD QC Summary 40

Method 8270C DOD Sample Data 49

Standards Data 64

Method 8270C DOD ICAL Data 64

Method 8270C DOD CCAL Data 107

Raw QC Data 120

Method 8270C DOD Tune Data 120

Method 8270C DOD Blank Data 130

Table of Contents

Method 8270C DOD LCS/LCSD Data 135

Method 8270C DOD MS/MSD Data 140

Method 8270C DOD Run Logs 150

Method 8270C DOD Prep Data 165

HPLC/IC 166

Method 8330B 166

Method 8330B QC Summary 167

Method 8330B Sample Data 171

Standards Data 177

Method 8330B ICAL Data 177

Method 8330B CCAL Data 210

Raw QC Data 222

Method 8330B Blank Data 222

Method 8330B LCS/LCSD Data 225

Method 8330B Run Logs 231

Method 8330B Prep Data 233

Inorganic Sample Data 234

Metals Data 234

Met Cover Page 235

Met Sample Data 236

Met QC Data 239

Met ICV/CCV 239

Met CRQL 243

Met Blanks 245

Met ICSA/ICSAB 249

Met MS/MSD/PDS 253

Table of Contents

Met LCS/LCSD 256

Met Serial Dilution 258

Met MDL 260

Met IECF 264

Met Linear Ranges 270

Met Preparation Log 272

Met Analysis Run Log 274

Met ICP/MS Tune 279

Met ICP/MS Int Stds 280

Met Raw Data 281

Met Prep Data 705

Shipping and Receiving Documents 707

Client Chain of Custody 708

Sample Receipt Checklist 709

CASE NARRATIVE
Client: Shaw Environmental & Infrastructure, Inc
Project: FUDS MMRP SI - Pocatello BR No. 3
Report Number: 280-19387-1

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

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

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

RECEIPT
Three samples were received on 08/22/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 3.8oC.

MS/MSD analyses were requested and performed on sample NWO-178-5002 (280-19387-3).

The following samples were air dried and sieved per the procedure; however, the samples contained material that would not pass through the sieve: NWO-178-1001 (280-19387-1), NWO-178-1002 (280-19387-2), and NWO-178-5002 (280-19387-3). This material was removed and not extracted. The material appeared to be rocks.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples NWO-178-1001 (280-19387-1), NWO-178-1002 (280-19387-2), and NWO-178-5002 (280-19387-3) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 08/24/2011 and analyzed on 08/30/2011.

No difficulties were encountered during the semivolatiles analyses.

All quality control parameters were within the acceptance limits.

EXPLOSIVES
Samples NWO-178-1001 (280-19387-1) and NWO-178-1002 (280-19387-2) were analyzed for explosives in accordance with EPA SW-846 Method 8330 Modified. The samples were prepared on 08/23/2011 and analyzed on 08/25/2011.

No difficulties were encountered during the explosives analyses.

All quality control parameters were within the acceptance limits.

METALS (ALUMINUM)
Samples NWO-178-1001 (280-19387-1), NWO-178-1002 (280-19387-2), and NWO-178-5002 (280-19387-3) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 08/25/2011.

Aluminum failed the recovery criteria high for the matrix spike (MS) and matrix spike duplicate (MSD) for sample NWO-178-5002 (280-19387-3) in batch 280-83186 at 2177% and 2269% respectively, with an upper limit of 120%. The presence of the '4' qualifier in the report indicates where the analyte concentration in the unspiked sample exceeded four times the spiking amount. The associated laboratory control sample (LCS) recovery met acceptance criteria, and the sample results have been flagged accordingly.

The Serial Dilution (SD) and the Post Digestion Spike (PDS) were outside of the established control limits for Aluminum, and the appropriate flag was applied.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

METALS (BARIUM)
Samples NWO-178-1001 (280-19387-1), NWO-178-1002 (280-19387-2), and NWO-178-5002 (280-19387-3) were analyzed for metals (ICPMS) in accordance with EPA SW-846 6020. The samples were prepared and analyzed on 08/25/2011.

Barium failed the recovery criteria high for the MS and MSD of sample NWO-178-5002 (280-19387-3) in batch 280-83216 at 149% and 49% respectively, with limits of 86-120%. The presence of the '4' qualifier in the report indicates where the analyte concentration in the unspiked sample exceeded four times the spiking amount. The associated laboratory control sample (LCS) recovery met acceptance criteria, and the sample results have been flagged accordingly.

The SD and PDS were in control for the requested element. There were samples within the batch that were greater than 100x the MDL for Barium, so the PDS is not applicable.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

HPLC/IC MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Instrument ID: CHHPLCX4_C18 Analysis Batch Number: 78309

Lab Sample ID: IC 280-78309/14 Client Sample ID:

Date Analyzed: 07/26/11 22:33 Lab File ID: 07260014.D GC Column: UltraCarb5uOD ID: 4.6(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Dinitrobenzene	10.25	Incomplete Integration	kellisonm	07/27/11 10:34
Tetryl	10.53	Incomplete Integration	kellisonm	07/27/11 10:34
Nitrobenzene	10.73	Incomplete Integration	kellisonm	07/27/11 10:34
4-Amino-2,6-dinitrotoluene	11.59	Incomplete Integration	kellisonm	07/27/11 10:34
2-Amino-4,6-dinitrotoluene	11.95	Incomplete Integration	kellisonm	07/27/11 10:34
2,6-Dinitrotoluene	12.19	Incomplete Integration	kellisonm	07/27/11 10:34
2,4-Dinitrotoluene	12.46	Incomplete Integration	kellisonm	07/27/11 10:34
PETN	14.17	Incomplete Integration	kellisonm	07/27/11 10:37
3-Nitrotoluene	14.33	Incomplete Integration	kellisonm	07/27/11 10:34

NS 9/18/11

8330 Modified

SAMPLE SUMMARY

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-19387-1	NWO-178-1001	Solid	08/20/2011 0957	08/22/2011 1010
280-19387-2	NWO-178-1002	Solid	08/20/2011 0957	08/22/2011 1010
280-19387-3	NWO-178-5002	Solid	08/17/2011 1646	08/22/2011 1010
280-19387-3MS	NWO-178-5002	Solid	08/17/2011 1646	08/22/2011 1010
280-19387-3MSD	NWO-178-5002	Solid	08/17/2011 1646	08/22/2011 1010

EXECUTIVE SUMMARY - Detections

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-19387-1	**NWO-178-1001**					
Aluminum		23700	J	93.5	mg/Kg	6010B
Barium		272		0.476	mg/Kg	6020
280-19387-2	**NWO-178-1002**					
Aluminum		23900	J	92.6	mg/Kg	6010B
Barium		293		0.495	mg/Kg	6020
280-19387-3	**NWO-178-5002**					
Aluminum		15900	J	97.1	mg/Kg	6010B
Barium		212	J	0.495	mg/Kg	6020

METHOD SUMMARY

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Semivolatile Organic Compounds (GC/MS)	TAL DEN	SW846 8270C/DoD	
Preparation, Air drying			Prep/Air Dry
Ultrasonic Extraction			SW846 3550C
Nitroaromatics and Nitramines by High Performance Liquid Chromatography	TAL DEN	SW846 8330 Modified	
Incremental Sample Preparation			EPA Increm, Prep
Sonication Extraction (Explosives)			SW846 8330B
Metals (ICP)	TAL DEN	SW846 6010B	
Preparation, Air drying			Prep/Air Dry
Preparation, Metals			SW846 3050B
Metals (ICP/MS)	TAL DEN	SW846 6020	
Preparation, Air drying			Prep/Air Dry
Preparation, Metals			SW846 3050B

Lab References:

TAL DEN = TestAmerica Denver

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

Method	Analyst	Analyst ID
SW846 8270C/DoD	Kiekel, Daniel C	DCK
SW846 6010B	Harre, John K	JKH
SW846 6020	Lill, Thomas E	TEL
SW846 8330 Modified	Hall, Koley J	KJH

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

Client Sample ID: **NWO-178-1001**

Lab Sample ID: 280-19387-1

Client Matrix: Solid

Date Sampled: 08/20/2011 0957

Date Received: 08/22/2011 1010

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

Analysis Method:	8270C/DoD	Analysis Batch:	280-83845	Instrument ID:	MSS_B
Prep Method:	3550C	Prep Batch:	280-82752	Lab File ID:	B6666.D
Dilution:	1.0	Drying Batch:	280-82486	Initial Weight/Volume:	31.1 g
Analysis Date:	08/30/2011 2256			Final Weight/Volume:	1000 uL
Prep Date:	08/24/2011 0850			Injection Volume:	0.5 uL
Drying Date:	08/22/2011 1456				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Anthracene		16.4	U	16.4	318
Hexachloroethane		20.5	U	20.5	318

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	90		35 - 125
2-Fluorobiphenyl	75		45 - 105
2-Fluorophenol (Surr)	69		35 - 105
Nitrobenzene-d5 (Surr)	71		35 - 100
Phenol-d5 (Surr)	73		40 - 100
Terphenyl-d14 (Surr)	83		30 - 125

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

Client Sample ID: **NWO-178-1002**

Lab Sample ID: 280-19387-2

Client Matrix: Solid

Date Sampled: 08/20/2011 0957

Date Received: 08/22/2011 1010

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

Analysis Method:	8270C/DoD	Analysis Batch:	280-83845	Instrument ID:	MSS_B
Prep Method:	3550C	Prep Batch:	280-82752	Lab File ID:	B6667.D
Dilution:	1.0	Drying Batch:	280-82486	Initial Weight/Volume:	31.8 g
Analysis Date:	08/30/2011 2317			Final Weight/Volume:	1000 uL
Prep Date:	08/24/2011 0850			Injection Volume:	0.5 uL
Drying Date:	08/22/2011 1456				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Anthracene		16.0	U	16.0	311
Hexachloroethane		20.1	U	20.1	311

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	86		35 - 125
2-Fluorobiphenyl	75		45 - 105
2-Fluorophenol (Surr)	64		35 - 105
Nitrobenzene-d5 (Surr)	66		35 - 100
Phenol-d5 (Surr)	70		40 - 100
Terphenyl-d14 (Surr)	81		30 - 125

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

Client Sample ID: **NWO-178-5002**

Lab Sample ID: 280-19387-3

Client Matrix: Solid

Date Sampled: 08/17/2011 1646

Date Received: 08/22/2011 1010

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

Analysis Method:	8270C/DoD	Analysis Batch:	280-83845	Instrument ID:	MSS_B
Prep Method:	3550C	Prep Batch:	280-82752	Lab File ID:	B6668.D
Dilution:	1.0	Drying Batch:	280-82486	Initial Weight/Volume:	30.3 g
Analysis Date:	08/30/2011 2337			Final Weight/Volume:	1000 uL
Prep Date:	08/24/2011 0850			Injection Volume:	0.5 uL
Drying Date:	08/22/2011 1456				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Anthracene		16.8	U	16.8	327
Hexachloroethane		21.1	U	21.1	327

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	92		35 - 125
2-Fluorobiphenyl	81		45 - 105
2-Fluorophenol (Surr)	77		35 - 105
Nitrobenzene-d5 (Surr)	79		35 - 100
Phenol-d5 (Surr)	82		40 - 100
Terphenyl-d14 (Surr)	83		30 - 125

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

Client Sample ID: **NWO-178-1001**

Lab Sample ID: 280-19387-1

Client Matrix: Solid

Date Sampled: 08/20/2011 0957

Date Received: 08/22/2011 1010

8330 Modified Nitroaromatics and Nitramines by High Performance Liquid Chromatography

Analysis Method:	8330 Modified	Analysis Batch:	280-82987	Instrument ID:	CHHPLCX4_C18
Prep Method:	8330B	Prep Batch:	280-82724	Initial Weight/Volume:	10.11 g
Dilution:	1.0	Leach Batch:	280-82495	Final Weight/Volume:	40000 uL
Analysis Date:	08/25/2011 1826			Injection Volume:	100 uL
Prep Date:	08/23/2011 2015			Result Type:	PRIMARY
Leach Date:	08/22/2011 1521				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
2-Amino-4,6-dinitrotoluene		0.0325	U	0.0325	0.0989
4-Amino-2,6-dinitrotoluene		0.0296	U	0.0296	0.0989
2,4-Dinitrotoluene		0.0145	U	0.0145	0.0989
2,6-Dinitrotoluene		0.0189	U	0.0189	0.0989
Nitroglycerin		0.213	U	0.213	1.98
2-Nitrotoluene		0.0467	U	0.0467	0.198
3-Nitrotoluene		0.0633	U	0.0633	0.198
Nitrobenzene		0.0841	U	0.0841	0.297
4-Nitrotoluene		0.0361	U	0.0361	0.198
1,3,5-Trinitrobenzene		0.0136	U	0.0136	0.0989
1,3-Dinitrobenzene		0.0164	U	0.0164	0.0989
HMX		0.0225	U	0.0225	0.0989
RDX		0.0425	U	0.0425	0.198
Tetryl		0.0434	U	0.0434	0.198
PETN		0.488	U	0.488	1.98
2,4,6-Trinitrotoluene		0.0304	U	0.0304	0.0989

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dinitrobenzene	98		83 - 122

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

Client Sample ID: **NWO-178-1002**

Lab Sample ID: 280-19387-2

Client Matrix: Solid

Date Sampled: 08/20/2011 0957

Date Received: 08/22/2011 1010

8330 Modified Nitroaromatics and Nitramines by High Performance Liquid Chromatography

Analysis Method:	8330 Modified	Analysis Batch:	280-82987	Instrument ID:	CHHPLCX4_C18
Prep Method:	8330B	Prep Batch:	280-82724	Initial Weight/Volume:	10.21 g
Dilution:	1.0	Leach Batch:	280-82495	Final Weight/Volume:	40000 uL
Analysis Date:	08/25/2011 1945			Injection Volume:	100 uL
Prep Date:	08/23/2011 2015			Result Type:	PRIMARY
Leach Date:	08/22/2011 1521				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
2-Amino-4,6-dinitrotoluene		0.0322	U	0.0322	0.0979
4-Amino-2,6-dinitrotoluene		0.0293	U	0.0293	0.0979
2,4-Dinitrotoluene		0.0144	U	0.0144	0.0979
2,6-Dinitrotoluene		0.0187	U	0.0187	0.0979
Nitroglycerin		0.211	U	0.211	1.96
2-Nitrotoluene		0.0462	U	0.0462	0.196
3-Nitrotoluene		0.0627	U	0.0627	0.196
Nitrobenzene		0.0833	U	0.0833	0.294
4-Nitrotoluene		0.0357	U	0.0357	0.196
1,3,5-Trinitrobenzene		0.0135	U	0.0135	0.0979
1,3-Dinitrobenzene		0.0163	U	0.0163	0.0979
HMX		0.0222	U	0.0222	0.0979
RDX		0.0421	U	0.0421	0.196
Tetryl		0.0430	U	0.0430	0.196
PETN		0.483	U	0.483	1.96
2,4,6-Trinitrotoluene		0.0301	U	0.0301	0.0979

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dinitrobenzene	101		83 - 122

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

Client Sample ID: **NWO-178-1001**

Lab Sample ID: 280-19387-1

Client Matrix: Solid

Date Sampled: 08/20/2011 0957

Date Received: 08/22/2011 1010

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-83186	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-82828	Lab File ID:	26A5082511.asc
Dilution:	1.0	Drying Batch:	280-82486	Initial Weight/Volume:	1.07 g
Analysis Date:	08/25/2011 2143			Final Weight/Volume:	100 mL
Prep Date:	08/25/2011 0530				
Drying Date:	08/22/2011 1456				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		23700	J	1.45	93.5

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-83216	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-82829	Lab File ID:	061SMPL.D
Dilution:	1.0	Drying Batch:	280-82486	Initial Weight/Volume:	1.05 g
Analysis Date:	08/25/2011 2330			Final Weight/Volume:	100 mL
Prep Date:	08/25/2011 0530				
Drying Date:	08/22/2011 1456				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Barium		272		0.0671	0.476

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

Client Sample ID: **NWO-178-1002**

Lab Sample ID: 280-19387-2

Client Matrix: Solid

Date Sampled: 08/20/2011 0957

Date Received: 08/22/2011 1010

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-83186	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-82828	Lab File ID:	26A5082511.asc
Dilution:	1.0	Drying Batch:	280-82486	Initial Weight/Volume:	1.08 g
Analysis Date:	08/25/2011 2147			Final Weight/Volume:	100 mL
Prep Date:	08/25/2011 0530				
Drying Date:	08/22/2011 1456				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		23900	J	1.44	92.6

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-83216	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-82829	Lab File ID:	062SMPL.D
Dilution:	1.0	Drying Batch:	280-82486	Initial Weight/Volume:	1.01 g
Analysis Date:	08/25/2011 2333			Final Weight/Volume:	100 mL
Prep Date:	08/25/2011 0530				
Drying Date:	08/22/2011 1456				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Barium		293		0.0698	0.495

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

Client Sample ID: **NWO-178-5002**

Lab Sample ID: 280-19387-3

Client Matrix: Solid

Date Sampled: 08/17/2011 1646

Date Received: 08/22/2011 1010

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	280-83186	Instrument ID:	MT_026
Prep Method:	3050B	Prep Batch:	280-82828	Lab File ID:	26A5082511.asc
Dilution:	1.0	Drying Batch:	280-82486	Initial Weight/Volume:	1.03 g
Analysis Date:	08/25/2011 2150			Final Weight/Volume:	100 mL
Prep Date:	08/25/2011 0530				
Drying Date:	08/22/2011 1456				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		15900	J	1.50	97.1

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	280-83216	Instrument ID:	MT_024
Prep Method:	3050B	Prep Batch:	280-82829	Lab File ID:	063AREF.D
Dilution:	1.0	Drying Batch:	280-82486	Initial Weight/Volume:	1.01 g
Analysis Date:	08/25/2011 2335			Final Weight/Volume:	100 mL
Prep Date:	08/25/2011 0530				
Drying Date:	08/22/2011 1456				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	MDL	RL
Barium		212	J	0.0698	0.495

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

Surrogate Recovery Report

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

Client Matrix: Solid

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
280-19387-1	NWO-178-1001	69	73	71	75	90	83
280-19387-2	NWO-178-1002	64	70	66	75	86	81
280-19387-3	NWO-178-5002	77	82	79	81	92	83
MB 280-82752/1-A		77	80	80	79	86	83
LCS 280-82752/2-A		80	81	82	84	95	88
280-19387-3 MS	NWO-178-5002 MS	75	78	78	82	96	88
280-19387-3 MSD	NWO-178-5002 MSD	78	80	83	82	93	86

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	35-105
PHL = Phenol-d5 (Surr)	40-100
NBZ = Nitrobenzene-d5 (Surr)	35-100
FBP = 2-Fluorobiphenyl	45-105
TBP = 2,4,6-Tribromophenol (Surr)	35-125
TPH = Terphenyl-d14 (Surr)	30-125

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

Surrogate Recovery Report

8330 Modified Nitroaromatics and Nitramines by High Performance Liquid Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	12DNB1 %Rec
280-19387-1	NWO-178-1001	98
280-19387-2	NWO-178-1002	101
MB 280-82724/1-A		100
LCS 280-82724/2-A		105
LCSD 280-82724/9-A		102

Surrogate	Acceptance Limits
12DNB = 1,2-Dinitrobenzene	83-122

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

Method Blank - Batch: 280-82752

Method: 8270C/DoD
Preparation: 3550C

Lab Sample ID:	MB 280-82752/1-A	Analysis Batch:	280-83845	Instrument ID:	MSS_B
Client Matrix:	Solid	Prep Batch:	280-82752	Lab File ID:	B6647.D
Dilution:	1.0	Drying Batch:	N/A	Initial Weight/Volume:	30.9 g
Analysis Date:	08/30/2011 1622	Units:	ug/Kg	Final Weight/Volume:	1000 uL
Prep Date:	08/24/2011 0850			Injection Volume:	0.5 uL
Drying Date:	N/A				

Analyte	Result	Qual	MDL	RL
Anthracene	16.5	U	16.5	320
Hexachloroethane	20.7	U	20.7	320

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	86	35 - 125
2-Fluorobiphenyl	79	45 - 105
2-Fluorophenol (Surr)	77	35 - 105
Nitrobenzene-d5 (Surr)	80	35 - 100
Phenol-d5 (Surr)	80	40 - 100
Terphenyl-d14 (Surr)	83	30 - 125

Lab Control Sample - Batch: 280-82752

Method: 8270C/DoD
Preparation: 3550C

Lab Sample ID:	LCS 280-82752/2-A	Analysis Batch:	280-83845	Instrument ID:	MSS_B
Client Matrix:	Solid	Prep Batch:	280-82752	Lab File ID:	B6648.D
Dilution:	1.0	Drying Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	08/30/2011 1643	Units:	ug/Kg	Final Weight/Volume:	1000 uL
Prep Date:	08/24/2011 0850			Injection Volume:	0.5 uL
Drying Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Anthracene	2670	2320	87	55 - 105	
Hexachloroethane	2670	2040	76	35 - 110	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	95	35 - 125
2-Fluorobiphenyl	84	45 - 105
2-Fluorophenol (Surr)	80	35 - 105
Nitrobenzene-d5 (Surr)	82	35 - 100
Phenol-d5 (Surr)	81	40 - 100
Terphenyl-d14 (Surr)	88	30 - 125

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-82752

Method: 8270C/DoD
Preparation: 3550C

MS Lab Sample ID:	280-19387-3	Analysis Batch:	280-83845	Instrument ID:	MSS_B
Client Matrix:	Solid	Prep Batch:	280-82752	Lab File ID:	B6669.D
Dilution:	1.0	Drying Batch:	280-82486	Initial Weight/Volume:	31.0 g
Analysis Date:	08/30/2011 2358			Final Weight/Volume:	1000 uL
Prep Date:	08/24/2011 0850			Injection Volume:	0.5 uL
Drying Date:	08/22/2011 1456				

MSD Lab Sample ID:	280-19387-3	Analysis Batch:	280-83845	Instrument ID:	MSS_B
Client Matrix:	Solid	Prep Batch:	280-82752	Lab File ID:	B6670.D
Dilution:	1.0	Drying Batch:	280-82486	Initial Weight/Volume:	30.4 g
Analysis Date:	08/31/2011 0018			Final Weight/Volume:	1000 uL
Prep Date:	08/24/2011 0850			Injection Volume:	0.5 uL
Drying Date:	08/22/2011 1456				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Anthracene	88	83	55 - 105	4	30		
Hexachloroethane	65	66	35 - 110	4	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	96	93	35 - 125
2-Fluorobiphenyl	82	82	45 - 105
2-Fluorophenol (Surr)	75	78	35 - 105
Nitrobenzene-d5 (Surr)	78	83	35 - 100
Phenol-d5 (Surr)	78	80	40 - 100
Terphenyl-d14 (Surr)	88	86	30 - 125

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-82752

Method: 8270C/DoD
Preparation: 3550C

MS Lab Sample ID:	280-19387-3	Units:	ug/Kg	MSD Lab Sample ID:	280-19387-3
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	08/30/2011 2358			Analysis Date:	08/31/2011 0018
Prep Date:	08/24/2011 0850			Prep Date:	08/24/2011 0850
Drying Date:	08/22/2011 1456			Drying Date:	08/22/2011 1456

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Anthracene	16.8	U	2580	2630	2270	2180
Hexachloroethane	21.1	U	2580	2630	1680	1740

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

Method Blank - Batch: 280-82724

Method: 8330 Modified
Preparation: 8330B

Lab Sample ID:	MB 280-82724/1-A	Analysis Batch:	280-82987	Instrument ID:	CHHPLCX4_C18
Client Matrix:	Solid	Prep Batch:	280-82724	Lab File ID:	X0825016.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.22 g
Analysis Date:	08/25/2011 1640	Units:	mg/Kg	Final Weight/Volume:	40000 uL
Prep Date:	08/23/2011 2015			Injection Volume:	100 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
2-Amino-4,6-dinitrotoluene	0.0322	U	0.0322	0.0978
4-Amino-2,6-dinitrotoluene	0.0293	U	0.0293	0.0978
2,4-Dinitrotoluene	0.0144	U	0.0144	0.0978
2,6-Dinitrotoluene	0.0187	U	0.0187	0.0978
Nitroglycerin	0.210	U	0.210	1.96
2-Nitrotoluene	0.0462	U	0.0462	0.196
3-Nitrotoluene	0.0626	U	0.0626	0.196
Nitrobenzene	0.0832	U	0.0832	0.294
4-Nitrotoluene	0.0357	U	0.0357	0.196
1,3,5-Trinitrobenzene	0.0135	U	0.0135	0.0978
1,3-Dinitrobenzene	0.0162	U	0.0162	0.0978
HMX	0.0222	U	0.0222	0.0978
RDX	0.0421	U	0.0421	0.196
Tetryl	0.0430	U	0.0430	0.196
PETN	0.482	U	0.482	1.96
2,4,6-Trinitrotoluene	0.0300	U	0.0300	0.0978

Surrogate	% Rec	Acceptance Limits
1,2-Dinitrobenzene	100	83 - 122

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-82724

Method: 8330 Modified
Preparation: 8330B

LCS Lab Sample ID:	LCS 280-82724/2-A	Analysis Batch:	280-82987	Instrument ID:	CHHPLCX4_C18
Client Matrix:	Solid	Prep Batch:	280-82724	Lab File ID:	X0825017.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.06 g
Analysis Date:	08/25/2011 1707	Units:	mg/Kg	Final Weight/Volume:	40000 uL
Prep Date:	08/23/2011 2015			Injection Volume:	100 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 280-82724/9-A	Analysis Batch:	280-82987	Instrument ID:	CHHPLCX4_C18
Client Matrix:	Solid	Prep Batch:	280-82724	Lab File ID:	X0825024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.32 g
Analysis Date:	08/25/2011 2011	Units:	mg/Kg	Final Weight/Volume:	40000 uL
Prep Date:	08/23/2011 2015			Injection Volume:	100 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2-Amino-4,6-dinitrotoluene	103	102	80 - 125	4	30		
4-Amino-2,6-dinitrotoluene	105	102	80 - 125	5	30		
2,4-Dinitrotoluene	105	104	80 - 125	4	30		
2,6-Dinitrotoluene	100	99	80 - 120	4	30		
Nitroglycerin	104	100	68 - 131	6	30		
2-Nitrotoluene	106	105	80 - 125	4	30		
3-Nitrotoluene	106	111	75 - 120	2	30		
Nitrobenzene	108	107	75 - 125	3	30		
4-Nitrotoluene	107	107	75 - 125	3	30		
1,3,5-Trinitrobenzene	105	102	75 - 125	6	30		
1,3-Dinitrobenzene	106	104	80 - 125	4	30		
HMX	95	92	75 - 125	6	30		
RDX	131	125	70 - 135	7	30		
Tetryl	111	107	10 - 150	7	30		
PETN	103	100	69 - 132	5	30		
2,4,6-Trinitrotoluene	107	105	55 - 140	4	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dinitrobenzene	105	102	83 - 122

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-82724

Method: 8330 Modified
Preparation: 8330B

LCS Lab Sample ID:	LCS 280-82724/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 280-82724/9-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	08/25/2011 1707			Analysis Date:	08/25/2011 2011
Prep Date:	08/23/2011 2015			Prep Date:	08/23/2011 2015
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
2-Amino-4,6-dinitrotoluene	0.994	0.969	1.03	0.988
4-Amino-2,6-dinitrotoluene	0.994	0.969	1.04	0.985
2,4-Dinitrotoluene	0.994	0.969	1.05	1.01
2,6-Dinitrotoluene	0.994	0.969	0.992	0.957
Nitroglycerin	9.94	9.69	10.3	9.69
2-Nitrotoluene	0.994	0.969	1.05	1.01
3-Nitrotoluene	0.994	0.969	1.05	1.07
Nitrobenzene	0.994	0.969	1.07	1.03
4-Nitrotoluene	0.994	0.969	1.07	1.03
1,3,5-Trinitrobenzene	0.994	0.969	1.05	0.986
1,3-Dinitrobenzene	0.994	0.969	1.05	1.01
HMX	0.994	0.969	0.945	0.893
RDX	0.994	0.969	1.30	1.21
Tetryl	0.994	0.969	1.11	1.04
PETN	9.94	9.69	10.2	9.73
2,4,6-Trinitrotoluene	0.994	0.969	1.06	1.02

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

Method Blank - Batch: 280-82828

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 280-82828/1-A	Analysis Batch:	280-83186	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-82828	Lab File ID:	26A5082511.asc
Dilution:	1.0	Drying Batch:	N/A	Initial Weight/Volume:	1.06 g
Analysis Date:	08/25/2011 2138	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/25/2011 0530				
Drying Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	1.46	U	1.46	94.3

Lab Control Sample - Batch: 280-82828

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 280-82828/2-A	Analysis Batch:	280-83186	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-82828	Lab File ID:	26A5082511.asc
Dilution:	1.0	Drying Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	08/25/2011 2141	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/25/2011 0530				
Drying Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	194	182	94	80 - 116	

Post Digestion Spike - Batch: 280-82828

Method: 6010B
Preparation: 3050B

Lab Sample ID:	280-19387-3	Analysis Batch:	280-83186	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-82828	Lab File ID:	26A5082511.asc
Dilution:	1.0	Drying Batch:	280-82486	Initial Weight/Volume:	1.03 g
Analysis Date:	08/25/2011 2201	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/25/2011 0530				
Drying Date:	08/22/2011 1456				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	15900	97.1	15800	-132	75 - 125	J

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-82828

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	280-19387-3	Analysis Batch:	280-83186	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-82828	Lab File ID:	26A5082511.asc
Dilution:	1.0	Drying Batch:	280-82486	Initial Weight/Volume:	1.04 g
Analysis Date:	08/25/2011 2155			Final Weight/Volume:	100 mL
Prep Date:	08/25/2011 0530				
Drying Date:	08/22/2011 1456				

MSD Lab Sample ID:	280-19387-3	Analysis Batch:	280-83186	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-82828	Lab File ID:	26A5082511.asc
Dilution:	1.0	Drying Batch:	280-82486	Initial Weight/Volume:	1.02 g
Analysis Date:	08/25/2011 2158			Final Weight/Volume:	100 mL
Prep Date:	08/25/2011 0530				
Drying Date:	08/22/2011 1456				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	2177	2269	80 - 120	1	20	4	4

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-82828

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	280-19387-3	Units:	mg/Kg	MSD Lab Sample ID:	280-19387-3
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	08/25/2011 2155			Analysis Date:	08/25/2011 2158
Prep Date:	08/25/2011 0530			Prep Date:	08/25/2011 0530
Drying Date:	08/22/2011 1456			Drying Date:	08/22/2011 1456

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Aluminum	15900	192	196	20100	4	20400	4

Serial Dilution - Batch: 280-82828

Method: 6010B
Preparation: 3050B

Lab Sample ID:	280-19387-3	Analysis Batch:	280-83186	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-82828	Lab File ID:	26A5082511.asc
Dilution:	5.0	Drying Batch:	280-82486	Initial Weight/Volume:	1.03 g
Analysis Date:	08/25/2011 2152	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/25/2011 0530				
Drying Date:	08/22/2011 1456				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Aluminum	15900	19200	21	10	V

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

Method Blank - Batch: 280-82829

Method: 6020
Preparation: 3050B

Lab Sample ID:	MB 280-82829/1-A	Analysis Batch:	280-83216	Instrument ID:	MT_024
Client Matrix:	Solid	Prep Batch:	280-82829	Lab File ID:	059_BLK.D
Dilution:	1.0	Drying Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	08/25/2011 2324	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/25/2011 0530				
Drying Date:	N/A				

Analyte	Result	Qual	MDL	RL
Barium	0.0705	U	0.0705	0.500

Lab Control Sample - Batch: 280-82829

Method: 6020
Preparation: 3050B

Lab Sample ID:	LCS 280-82829/2-A	Analysis Batch:	280-83216	Instrument ID:	MT_024
Client Matrix:	Solid	Prep Batch:	280-82829	Lab File ID:	060_LCS.D
Dilution:	1.0	Drying Batch:	N/A	Initial Weight/Volume:	1.07 g
Analysis Date:	08/25/2011 2327	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/25/2011 0530				
Drying Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	18.7	18.6	99	86 - 120	

Post Digestion Spike - Batch: 280-82829

Method: 6020
Preparation: 3050B

Lab Sample ID:	280-19387-3	Analysis Batch:	280-83216	Instrument ID:	MT_024
Client Matrix:	Solid	Prep Batch:	280-82829	Lab File ID:	065PDS.D
Dilution:	1.0	Drying Batch:	280-82486	Initial Weight/Volume:	1.01 g
Analysis Date:	08/25/2011 2341	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/25/2011 0530				
Drying Date:	08/22/2011 1456				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Barium	212	99.0	314	104	75 - 125	

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-82829

Method: 6020
Preparation: 3050B

MS Lab Sample ID:	280-19387-3	Analysis Batch:	280-83216	Instrument ID:	MT_024
Client Matrix:	Solid	Prep Batch:	280-82829	Lab File ID:	066_MS.D
Dilution:	1.0	Drying Batch:	280-82486	Initial Weight/Volume:	1.01 g
Analysis Date:	08/25/2011 2344			Final Weight/Volume:	100 mL
Prep Date:	08/25/2011 0530				
Drying Date:	08/22/2011 1456				

MSD Lab Sample ID:	280-19387-3	Analysis Batch:	280-83216	Instrument ID:	MT_024
Client Matrix:	Solid	Prep Batch:	280-82829	Lab File ID:	067_MSD.D
Dilution:	1.0	Drying Batch:	280-82486	Initial Weight/Volume:	1.00 g
Analysis Date:	08/25/2011 2347			Final Weight/Volume:	100 mL
Prep Date:	08/25/2011 0530				
Drying Date:	08/22/2011 1456				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Barium	149	49	86 - 120	9	20	4	4

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-82829

Method: 6020
Preparation: 3050B

MS Lab Sample ID:	280-19387-3	Units:	mg/Kg	MSD Lab Sample ID:	280-19387-3
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	08/25/2011 2344			Analysis Date:	08/25/2011 2347
Prep Date:	08/25/2011 0530			Prep Date:	08/25/2011 0530
Drying Date:	08/22/2011 1456			Drying Date:	08/22/2011 1456

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Barium	212	19.8	20.0	241	4	222	4

Serial Dilution - Batch: 280-82829

Method: 6020
Preparation: 3050B

Lab Sample ID:	280-19387-3	Analysis Batch:	280-83216	Instrument ID:	MT_024
Client Matrix:	Solid	Prep Batch:	280-82829	Lab File ID:	064SDIL.D
Dilution:	5.0	Drying Batch:	280-82486	Initial Weight/Volume:	1.01 g
Analysis Date:	08/25/2011 2338	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/25/2011 0530				
Drying Date:	08/22/2011 1456				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Barium	212	210	1.0	10	

DATA REPORTING QUALIFIERS

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	U	Undetected at the Limit of Detection.
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	V	Serial Dilution exceeds the control limits
	U	Undetected at the Limit of Detection.
HPLC/IC		
	U	Undetected at the Limit of Detection.

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 280-82486					
280-19387-1	NWO-178-1001	T	Solid	Prep/Air Dry	
280-19387-2	NWO-178-1002	T	Solid	Prep/Air Dry	
280-19387-3	NWO-178-5002	T	Solid	Prep/Air Dry	
280-19387-3MS	Matrix Spike	T	Solid	Prep/Air Dry	
280-19387-3MSD	Matrix Spike Duplicate	T	Solid	Prep/Air Dry	
Prep Batch: 280-82752					
LCS 280-82752/2-A	Lab Control Sample	T	Solid	3550C	
MB 280-82752/1-A	Method Blank	T	Solid	3550C	
280-19387-1	NWO-178-1001	T	Solid	3550C	280-82486
280-19387-2	NWO-178-1002	T	Solid	3550C	280-82486
280-19387-3	NWO-178-5002	T	Solid	3550C	280-82486
280-19387-3MS	Matrix Spike	T	Solid	3550C	280-82486
280-19387-3MSD	Matrix Spike Duplicate	T	Solid	3550C	280-82486
Analysis Batch:280-83845					
LCS 280-82752/2-A	Lab Control Sample	T	Solid	8270C/DoD	280-82752
MB 280-82752/1-A	Method Blank	T	Solid	8270C/DoD	280-82752
280-19387-1	NWO-178-1001	T	Solid	8270C/DoD	280-82752
280-19387-2	NWO-178-1002	T	Solid	8270C/DoD	280-82752
280-19387-3	NWO-178-5002	T	Solid	8270C/DoD	280-82752
280-19387-3MS	Matrix Spike	T	Solid	8270C/DoD	280-82752
280-19387-3MSD	Matrix Spike Duplicate	T	Solid	8270C/DoD	280-82752

Report Basis

T = Total

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 280-82486					
280-19387-1	NWO-178-1001	T	Solid	Prep/Air Dry	
280-19387-2	NWO-178-1002	T	Solid	Prep/Air Dry	
280-19387-3	NWO-178-5002	T	Solid	Prep/Air Dry	
280-19387-3MS	Matrix Spike	T	Solid	Prep/Air Dry	
280-19387-3MSD	Matrix Spike Duplicate	T	Solid	Prep/Air Dry	
Prep Batch: 280-82828					
LCS 280-82828/2-A	Lab Control Sample	T	Solid	3050B	
MB 280-82828/1-A	Method Blank	T	Solid	3050B	
280-19387-1	NWO-178-1001	T	Solid	3050B	280-82486
280-19387-2	NWO-178-1002	T	Solid	3050B	280-82486
280-19387-3	NWO-178-5002	T	Solid	3050B	280-82486
280-19387-3MS	Matrix Spike	T	Solid	3050B	280-82486
280-19387-3MSD	Matrix Spike Duplicate	T	Solid	3050B	280-82486
Prep Batch: 280-82829					
LCS 280-82829/2-A	Lab Control Sample	T	Solid	3050B	
MB 280-82829/1-A	Method Blank	T	Solid	3050B	
280-19387-1	NWO-178-1001	T	Solid	3050B	280-82486
280-19387-2	NWO-178-1002	T	Solid	3050B	280-82486
280-19387-3	NWO-178-5002	T	Solid	3050B	280-82486
280-19387-3MS	Matrix Spike	T	Solid	3050B	280-82486
280-19387-3MSD	Matrix Spike Duplicate	T	Solid	3050B	280-82486
Analysis Batch:280-83186					
LCS 280-82828/2-A	Lab Control Sample	T	Solid	6010B	280-82828
MB 280-82828/1-A	Method Blank	T	Solid	6010B	280-82828
280-19387-1	NWO-178-1001	T	Solid	6010B	280-82828
280-19387-2	NWO-178-1002	T	Solid	6010B	280-82828
280-19387-3	NWO-178-5002	T	Solid	6010B	280-82828
280-19387-3MS	Matrix Spike	T	Solid	6010B	280-82828
280-19387-3MSD	Matrix Spike Duplicate	T	Solid	6010B	280-82828
Analysis Batch:280-83216					
LCS 280-82829/2-A	Lab Control Sample	T	Solid	6020	280-82829
MB 280-82829/1-A	Method Blank	T	Solid	6020	280-82829
280-19387-1	NWO-178-1001	T	Solid	6020	280-82829
280-19387-2	NWO-178-1002	T	Solid	6020	280-82829
280-19387-3	NWO-178-5002	T	Solid	6020	280-82829
280-19387-3MS	Matrix Spike	T	Solid	6020	280-82829
280-19387-3MSD	Matrix Spike Duplicate	T	Solid	6020	280-82829

Report Basis

T = Total

TestAmerica Denver

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
HPLC/IC					
Prep Batch: 280-82495					
280-19387-1	NWO-178-1001	T	Solid	Increm, Prep	
280-19387-2	NWO-178-1002	T	Solid	Increm, Prep	
Prep Batch: 280-82724					
LCS 280-82724/2-A	Lab Control Sample	T	Solid	8330B	
LCSD 280-82724/9-A	Lab Control Sample Duplicate	T	Solid	8330B	
MB 280-82724/1-A	Method Blank	T	Solid	8330B	
280-19387-1	NWO-178-1001	T	Solid	8330B	280-82495
280-19387-2	NWO-178-1002	T	Solid	8330B	280-82495
Analysis Batch:280-82987					
LCS 280-82724/2-A	Lab Control Sample	T	Solid	8330 Modified	280-82724
LCSD 280-82724/9-A	Lab Control Sample Duplicate	T	Solid	8330 Modified	280-82724
MB 280-82724/1-A	Method Blank	T	Solid	8330 Modified	280-82724
280-19387-1	NWO-178-1001	T	Solid	8330 Modified	280-82724
280-19387-2	NWO-178-1002	T	Solid	8330 Modified	280-82724

Report Basis

T = Total

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

Laboratory Chronicle

Lab ID: 280-19387-1 **Client ID:** NWO-178-1001

Sample Date/Time: 08/20/2011 09:57 Received Date/Time: 08/22/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-19387-B-1-D		280-83845	280-82752	08/24/2011 08:50	1	TAL DEN	JCV
A:8270C/DoD	280-19387-B-1-D		280-83845	280-82752	08/30/2011 22:56	1	TAL DEN	DCK
P:8330B	280-19387-A-1-B		280-82987	280-82724	08/23/2011 20:15	1	TAL DEN	CDC
A:8330 Modified	280-19387-A-1-B		280-82987	280-82724	08/25/2011 18:26	1	TAL DEN	KJH
P:3050B	280-19387-B-1-E		280-83186	280-82828	08/25/2011 05:30	1	TAL DEN	CLI
A:6010B	280-19387-B-1-E		280-83186	280-82828	08/25/2011 21:43	1	TAL DEN	JKH
P:3050B	280-19387-B-1-F		280-83216	280-82829	08/25/2011 05:30	1	TAL DEN	CLI
A:6020	280-19387-B-1-F		280-83216	280-82829	08/25/2011 23:30	1	TAL DEN	TEL

Lab ID: 280-19387-2 **Client ID:** NWO-178-1002

Sample Date/Time: 08/20/2011 09:57 Received Date/Time: 08/22/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-19387-B-2-F		280-83845	280-82752	08/24/2011 08:50	1	TAL DEN	JCV
A:8270C/DoD	280-19387-B-2-F		280-83845	280-82752	08/30/2011 23:17	1	TAL DEN	DCK
P:8330B	280-19387-B-2-E		280-82987	280-82724	08/23/2011 20:15	1	TAL DEN	CDC
A:8330 Modified	280-19387-B-2-E		280-82987	280-82724	08/25/2011 19:45	1	TAL DEN	KJH
P:3050B	280-19387-B-2-G		280-83186	280-82828	08/25/2011 05:30	1	TAL DEN	CLI
A:6010B	280-19387-B-2-G		280-83186	280-82828	08/25/2011 21:47	1	TAL DEN	JKH
P:3050B	280-19387-B-2-H		280-83216	280-82829	08/25/2011 05:30	1	TAL DEN	CLI
A:6020	280-19387-B-2-H		280-83216	280-82829	08/25/2011 23:33	1	TAL DEN	TEL

Lab ID: 280-19387-3 **Client ID:** NWO-178-5002

Sample Date/Time: 08/17/2011 16:46 Received Date/Time: 08/22/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-19387-E-3-F		280-83845	280-82752	08/24/2011 08:50	1	TAL DEN	JCV
A:8270C/DoD	280-19387-E-3-F		280-83845	280-82752	08/30/2011 23:37	1	TAL DEN	DCK
P:3050B	280-19387-E-3-I		280-83186	280-82828	08/25/2011 05:30	1	TAL DEN	CLI
A:6010B	280-19387-E-3-I		280-83186	280-82828	08/25/2011 21:50	1	TAL DEN	JKH
P:3050B	280-19387-E-3-L		280-83216	280-82829	08/25/2011 05:30	1	TAL DEN	CLI
A:6020	280-19387-E-3-L		280-83216	280-82829	08/25/2011 23:35	1	TAL DEN	TEL

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

Laboratory Chronicle

Lab ID: 280-19387-3 **Client ID:** NWO-178-5002

Sample Date/Time: 08/17/2011 16:46 Received Date/Time: 08/22/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-19387-E-3-G MS		280-83845	280-82752	08/24/2011 08:50	1	TAL DEN	JCV
A:8270C/DoD	280-19387-E-3-G MS		280-83845	280-82752	08/30/2011 23:58	1	TAL DEN	DCK
P:3050B	280-19387-E-3-J MS		280-83186	280-82828	08/25/2011 05:30	1	TAL DEN	CLI
A:6010B	280-19387-E-3-J MS		280-83186	280-82828	08/25/2011 21:55	1	TAL DEN	JKH
P:3050B	280-19387-E-3-M MS		280-83216	280-82829	08/25/2011 05:30	1	TAL DEN	CLI
A:6020	280-19387-E-3-M MS		280-83216	280-82829	08/25/2011 23:44	1	TAL DEN	TEL

Lab ID: 280-19387-3 **Client ID:** NWO-178-5002

Sample Date/Time: 08/17/2011 16:46 Received Date/Time: 08/22/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-19387-E-3-H MSD		280-83845	280-82752	08/24/2011 08:50	1	TAL DEN	JCV
A:8270C/DoD	280-19387-E-3-H MSD		280-83845	280-82752	08/31/2011 00:18	1	TAL DEN	DCK
P:3050B	280-19387-E-3-K MSD		280-83186	280-82828	08/25/2011 05:30	1	TAL DEN	CLI
A:6010B	280-19387-E-3-K MSD		280-83186	280-82828	08/25/2011 21:58	1	TAL DEN	JKH
P:3050B	280-19387-E-3-N MSD		280-83216	280-82829	08/25/2011 05:30	1	TAL DEN	CLI
A:6020	280-19387-E-3-N MSD		280-83216	280-82829	08/25/2011 23:47	1	TAL DEN	TEL

Lab ID: 280-19387-3 SD **Client ID:** NWO-178-5002

Sample Date/Time: 08/17/2011 16:46 Received Date/Time: 08/22/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	280-19387-E-3-I SD ^5		280-83186	280-82828	08/25/2011 05:30	5	TAL DEN	CLI
A:6010B	280-19387-E-3-I SD ^5		280-83186	280-82828	08/25/2011 21:52	5	TAL DEN	JKH
P:3050B	280-19387-E-3-I PDS		280-83186	280-82828	08/25/2011 05:30	1	TAL DEN	CLI
A:6010B	280-19387-E-3-I PDS		280-83186	280-82828	08/25/2011 22:01	1	TAL DEN	JKH
P:3050B	280-19387-E-3-L SD ^5		280-83216	280-82829	08/25/2011 05:30	5	TAL DEN	CLI
A:6020	280-19387-E-3-L SD ^5		280-83216	280-82829	08/25/2011 23:38	5	TAL DEN	TEL
P:3050B	280-19387-E-3-L PDS		280-83216	280-82829	08/25/2011 05:30	1	TAL DEN	CLI
A:6020	280-19387-E-3-L PDS		280-83216	280-82829	08/25/2011 23:41	1	TAL DEN	TEL

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	MB 280-82752/1-A		280-83845	280-82752	08/24/2011 08:50	1	TAL DEN	JCV
A:8270C/DoD	MB 280-82752/1-A		280-83845	280-82752	08/30/2011 16:22	1	TAL DEN	DCK
P:8330B	MB 280-82724/1-A		280-82987	280-82724	08/23/2011 20:15	1	TAL DEN	CDC
A:8330 Modified	MB 280-82724/1-A		280-82987	280-82724	08/25/2011 16:40	1	TAL DEN	KJH
P:3050B	MB 280-82828/1-A		280-83186	280-82828	08/25/2011 05:30	1	TAL DEN	CLI
A:6010B	MB 280-82828/1-A		280-83186	280-82828	08/25/2011 21:38	1	TAL DEN	JKH
P:3050B	MB 280-82829/1-A		280-83216	280-82829	08/25/2011 05:30	1	TAL DEN	CLI
A:6020	MB 280-82829/1-A		280-83216	280-82829	08/25/2011 23:24	1	TAL DEN	TEL

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	LCS 280-82752/2-A		280-83845	280-82752	08/24/2011 08:50	1	TAL DEN	JCV
A:8270C/DoD	LCS 280-82752/2-A		280-83845	280-82752	08/30/2011 16:43	1	TAL DEN	DCK
P:8330B	LCS 280-82724/2-A		280-82987	280-82724	08/23/2011 20:15	1	TAL DEN	CDC
A:8330 Modified	LCS 280-82724/2-A		280-82987	280-82724	08/25/2011 17:07	1	TAL DEN	KJH
P:3050B	LCS 280-82828/2-A		280-83186	280-82828	08/25/2011 05:30	1	TAL DEN	CLI
A:6010B	LCS 280-82828/2-A		280-83186	280-82828	08/25/2011 21:41	1	TAL DEN	JKH
P:3050B	LCS 280-82829/2-A		280-83216	280-82829	08/25/2011 05:30	1	TAL DEN	CLI
A:6020	LCS 280-82829/2-A		280-83216	280-82829	08/25/2011 23:27	1	TAL DEN	TEL

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8330B	LCSD 280-82724/9-A		280-82987	280-82724	08/23/2011 20:15	1	TAL DEN	CDC
A:8330 Modified	LCSD 280-82724/9-A		280-82987	280-82724	08/25/2011 20:11	1	TAL DEN	KJH

Lab References:

TAL DEN = TestAmerica Denver

Certification Summary

Client: Shaw Environmental & Infrastructure, Inc
Project/Site: FUDS MMRP SI - Pocatello BR No. 3

TestAmerica Job ID: 280-19387-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Denver	A2LA	DoD ELAP		2907.01
TestAmerica Denver	A2LA	ISO/IEC 17025		2907.01
TestAmerica Denver	Alabama	State Program	4	40730
TestAmerica Denver	Alaska	Alaska UST	10	UST-30
TestAmerica Denver	Arizona	State Program	9	AZ0713
TestAmerica Denver	Arkansas	State Program	6	88-0687
TestAmerica Denver	California	State Program	9	2513
TestAmerica Denver	Colorado	State Program	8	N/A
TestAmerica Denver	Connecticut	State Program	1	PH-0686
TestAmerica Denver	Florida	NELAC	4	E87667
TestAmerica Denver	Georgia	State Program	4	N/A
TestAmerica Denver	Idaho	State Program	10	CO00026
TestAmerica Denver	Illinois	NELAC	5	200017
TestAmerica Denver	Iowa	State Program	7	370
TestAmerica Denver	Kansas	NELAC	7	E-10166
TestAmerica Denver	Louisiana	NELAC	6	30785
TestAmerica Denver	Maine	State Program	1	CO0002
TestAmerica Denver	Maryland	State Program	3	268
TestAmerica Denver	Minnesota	NELAC	5	8-999-405
TestAmerica Denver	Nevada	State Program	9	CO0026
TestAmerica Denver	New Hampshire	NELAC	1	205310
TestAmerica Denver	New Jersey	NELAC	2	CO004
TestAmerica Denver	New Mexico	State Program	6	N/A
TestAmerica Denver	New York	NELAC	2	11964
TestAmerica Denver	North Carolina	North Carolina DENR	4	358
TestAmerica Denver	North Dakota	State Program	8	R-034
TestAmerica Denver	Oklahoma	State Program	6	8614
TestAmerica Denver	Oregon	NELAC	10	CO200001
TestAmerica Denver	Pennsylvania	NELAC	3	68-00664
TestAmerica Denver	South Carolina	State Program	4	72002
TestAmerica Denver	Tennessee	State Program	4	TN02944
TestAmerica Denver	Texas	NELAC	6	T104704183-08-TX
TestAmerica Denver	USDA	USDA		P330-08-00036
TestAmerica Denver	Utah	NELAC	8	QUAN5
TestAmerica Denver	Washington	State Program	10	C1284
TestAmerica Denver	West Virginia	West Virginia DEP	3	354
TestAmerica Denver	Wisconsin	State Program	5	999615430

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

Method 8270C DOD

Semivolatile Compounds (GC/MS) by Method 8270/DOD

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Matrix: Solid Level: Low

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

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
NWO-178-1001	280-19387-1	69	73	71	75	90	83
NWO-178-1002	280-19387-2	64	70	66	75	86	81
NWO-178-5002	280-19387-3	77	82	79	81	92	83
	MB 280-82752/1-A	77	80	80	79	86	83
	LCS 280-82752/2-A	80	81	82	84	95	88
NWO-178-5002 MS	280-19387-3 MS	75	78	78	82	96	88
NWO-178-5002 MSD	280-19387-3 MSD	78	80	83	82	93	86

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	35-105
PHL = Phenol-d5 (Surr)	40-100
NBZ = Nitrobenzene-d5 (Surr)	35-100
FBP = 2-Fluorobiphenyl	45-105
TBP = 2,4,6-Tribromophenol (Surr)	35-125
TPH = Terphenyl-d14 (Surr)	30-125

Column to be used to flag recovery values

FORM II 8270C/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: B6648.D

Lab ID: LCS 280-82752/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Anthracene	2670	2320	87	55-105	
Hexachloroethane	2670	2040	76	35-110	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: B6669.D

Lab ID: 280-19387-3 MS Client ID: NWO-178-5002 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Anthracene	2580	16.8 U	2270	88	55-105	
Hexachloroethane	2580	21.1 U	1680	65	35-110	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: B6670.D

Lab ID: 280-19387-3 MSD Client ID: NWO-178-5002 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Anthracene	2630	2180	83	4	30	55-105	
Hexachloroethane	2630	1740	66	4	30	35-110	

Column to be used to flag recovery and RPD values

FORM III 8270C/DoD

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Lab File ID: B6647.D Lab Sample ID: MB 280-82752/1-A

Matrix: Solid Date Extracted: 08/24/2011 08:50

Instrument ID: MSS_B Date Analyzed: 08/30/2011 16:22

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 280-82752/2-A	B6648.D	08/30/2011 16:43
NWO-178-1001	280-19387-1	B6666.D	08/30/2011 22:56
NWO-178-1002	280-19387-2	B6667.D	08/30/2011 23:17
NWO-178-5002	280-19387-3	B6668.D	08/30/2011 23:37
NWO-178-5002 MS	280-19387-3 MS	B6669.D	08/30/2011 23:58
NWO-178-5002 MSD	280-19387-3 MSD	B6670.D	08/31/2011 00:18

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

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Lab File ID: B6057.D DFTPP Injection Date: 07/28/2011

Instrument ID: MSS_B DFTPP Injection Time: 08:41

Analysis Batch No.: 79173

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	31.6	
68	Less than 2.0 % of mass 69	0.0	(0.1)1
69	Mass 69 relative abundance	35.9	
70	Less than 2.0 % of mass 69	0.2	(0.4)1
127	40.0 - 60.0 % of mass 198	48.7	
197	Less than 1.0 % of mass 198	0.1	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.8	
275	10.0 - 30.0 % of mass 198	25.7	
365	Greater than 1.0 % of mass 198	2.9	
441	Present but less than mass 443	14.4	
442	Greater than 40.0 % of mass 198	97.9	
443	17.0 - 23.0 % of mass 442	18.0	(18.4)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 280-79173/2	B6077.D	07/28/2011	15:50
	STD004 280-79173/3	B6078.D	07/28/2011	16:11
	STD010 280-79173/4	B6079.D	07/28/2011	16:31
	STD020 280-79173/5	B6080.D	07/28/2011	16:52
	STD050 280-79173/6	B6081.D	07/28/2011	17:13
	STD120 280-79173/7	B6082.D	07/28/2011	17:33
	STD160 280-79173/8	B6083.D	07/28/2011	17:54
	STD200 280-79173/9	B6084.D	07/28/2011	18:15
	ICV 280-79173/10	B6085.D	07/28/2011	18:35
	ICV 280-79173/11	B6086.D	07/28/2011	18:56
	ICV 280-79173/12	B6087.D	07/28/2011	19:16

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

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Lab File ID: B6638.D DFTPP Injection Date: 08/30/2011

Instrument ID: MSS_B DFTPP Injection Time: 13:25

Analysis Batch No.: 83845

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	34.7	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	36.9	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	52.1	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.1	
275	10.0 - 30.0 % of mass 198	25.6	
365	Greater than 1.0 % of mass 198	3.1	
441	Present but less than mass 443	13.8	
442	Greater than 40.0 % of mass 198	96.6	
443	17.0 - 23.0 % of mass 442	18.6	(19.3)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-83845/2	B6639.D	08/30/2011	13:36
	MB 280-82752/1-A	B6647.D	08/30/2011	16:22
	LCS 280-82752/2-A	B6648.D	08/30/2011	16:43
NWO-178-1001	280-19387-1	B6666.D	08/30/2011	22:56
NWO-178-1002	280-19387-2	B6667.D	08/30/2011	23:17
NWO-178-5002	280-19387-3	B6668.D	08/30/2011	23:37
NWO-178-5002 MS	280-19387-3 MS	B6669.D	08/30/2011	23:58
NWO-178-5002 MSD	280-19387-3 MSD	B6670.D	08/31/2011	00:18

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

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Sample No.: ICIS 280-79173/2 Date Analyzed: 07/28/2011 15:50

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

Lab File ID (Standard): B6077.D Heated Purge: (Y/N) N

Calibration ID: 6605

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		212596	4.98	859106	6.22	489205	7.94
UPPER LIMIT		425192	5.48	1718212	6.72	978410	8.44
LOWER LIMIT		106298	4.48	429553	5.72	244603	7.44
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-79173/10		214964	4.98	868623	6.22	499647	7.94
ICV 280-79173/11		231089	4.97	922214	6.22	521378	7.94
ICV 280-79173/12		205261	4.98	820400	6.22	454785	7.94
CCV 280-83845/2		251217	4.91	1002871	6.17	568960	7.90
MB 280-82752/1-A		236048	4.91	946417	6.17	537813	7.90
LCS 280-82752/2-A		232043	4.91	930653	6.17	532638	7.90
280-19387-1	NWO-178-1001	270048	4.91	1078896	6.17	625184	7.90
280-19387-2	NWO-178-1002	271311	4.91	1071218	6.17	618371	7.90
280-19387-3	NWO-178-5002	274480	4.91	1089446	6.17	636068	7.90
280-19387-3 MS	NWO-178-5002 MS	266441	4.91	1054809	6.17	608541	7.90
280-19387-3 MSD	NWO-178-5002 MSD	271226	4.91	1058095	6.17	616947	7.90

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

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

Column used to flag values outside QC limits

FORM VIII 8270C/DOD

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

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Sample No.: ICIS 280-79173/2 Date Analyzed: 07/28/2011 15:50

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

Lab File ID (Standard): B6077.D Heated Purge: (Y/N) N

Calibration ID: 6605

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		816768	9.21	890487	11.35	880268	12.70
UPPER LIMIT		1633536	9.71	1780974	11.85	1760536	13.20
LOWER LIMIT		408384	8.71	445244	10.85	440134	12.20
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-79173/10		844873	9.21	914142	11.31	887159	12.64
ICV 280-79173/11		880516	9.21	1024350	11.30	934165	12.63
ICV 280-79173/12		784843	9.21	877663	11.31	803941	12.63
CCV 280-83845/2		936033	9.17	1003098	11.32	997884	12.63
MB 280-82752/1-A		913359	9.16	1017434	11.29	949282	12.59
LCS 280-82752/2-A		883350	9.16	968454	11.30	916086	12.60
280-19387-1	NWO-178-1001	1039180	9.16	1126560	11.25	1022282	12.53
280-19387-2	NWO-178-1002	1052615	9.17	1129284	11.23	1022350	12.52
280-19387-3	NWO-178-5002	1071886	9.16	1154591	11.23	1038146	12.51
280-19387-3 MS	NWO-178-5002 MS	1017677	9.17	1071194	11.23	1009503	12.52
280-19387-3 MSD	NWO-178-5002 MSD	1045320	9.16	1085279	11.22	1016517	12.49

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

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

Column used to flag values outside QC limits

FORM VIII 8270C/DOD

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19387-1

SDG No.:

Client Sample ID: NWO-178-1001 | Lab Sample ID: 280-19387-1

Matrix: Solid | Lab File ID: B6666.D

Analysis Method: 8270C/DoD | Date Collected: 08/20/2011 09:57

Extract. Method: 3550C | Date Extracted: 08/24/2011 08:50

Sample wt/vol: 31.1(g) | Date Analyzed: 08/30/2011 22:56

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

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

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

Analysis Batch No.: 83845 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-12-7	Anthracene	16.4	U	318	16.4
67-72-1	Hexachloroethane	20.5	U	318	20.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	90		35-125
321-60-8	2-Fluorobiphenyl	75		45-105
367-12-4	2-Fluorophenol (Surr)	69		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	71		35-100
4165-62-2	Phenol-d5 (Surr)	73		40-100
1718-51-0	Terphenyl-d14 (Surr)	83		30-125

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\B.i\083011.B\B6666.D
Lab Smp Id: 280-19387-B-1-D Client Smp ID: NWO-178-1001
Inj Date : 30-AUG-2011 22:56
Operator : KIEKELD Inst ID: B.i
Smp Info : 280-19387-B-1-D
Misc Info : 280-19387-B-1-D
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\B.i\083011.B\8270C.m
Meth Date : 31-Aug-2011 08:49 kiekeld Quant Type: ISTD
Cal Date : 29-AUG-2011 11:42 Cal File: B6600.D
Als bottle: 29
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: H.sub
Target Version: 4.14
Processing Host: DENPC307

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	31.100	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 26 1,4-Dichlorobenzene-d4	152	4.907	4.906	(1.000)	270048	40.0000	
* 58 Naphthalene-d8	136	6.171	6.169	(1.000)	1078896	40.0000	
* 96 Acenaphthene-d10	164	7.898	7.897	(1.000)	625184	40.0000	
* 135 Phenanthrene-d10	188	9.161	9.166	(1.000)	1039180	40.0000	
* 166 Chrysene-d12	240	11.247	11.304	(1.000)	1126560	40.0000	
* 179 Perylene-d12	264	12.534	12.626	(1.000)	1022282	40.0000	
$ 8 2-Fluorophenol	112	3.650	3.644	(0.744)	976546	102.994	3311.69
$ 15 Phenol-d5	99	4.537	4.537	(0.925)	1271141	109.051	3506.45
$ 43 Nitrobenzene-d5	82	5.454	5.454	(0.884)	699851	70.5300	2267.84
$ 81 2-Fluorobiphenyl	172	7.228	7.234	(0.915)	1448269	75.3956	2424.30
$ 118 2,4,6-Tribromophenol	330	8.591	8.591	(1.088)	393236	134.289	4317.97
$ 154 Terphenyl-d14	244	10.372	10.401	(0.922)	1760307	82.9565	2667.41
$ 29 1,2-Dichlorobenzene-d4	152	5.060	5.060	(1.031)	444279	67.0877	2157.16
$ 22 2-Chlorophenol-d4	132	4.696	4.696	(0.957)	1044388	115.586	3716.60
6 Pyridine	79	Compound Not Detected.					
5 N-Nitrosodimethylamine	74	Compound Not Detected.					
18 Aniline	93	Compound Not Detected.					
16 Phenol	94	Compound Not Detected.					
20 Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23 2-Chlorophenol	128	Compound Not Detected.					
25 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
28 Benzyl alcohol	108	5.031	5.031	(1.025)	3016	0.46406	14.9217(a)
30 1,2-Dichlorobenzene	146	Compound Not Detected.					
32 2-Methylphenol	108	Compound Not Detected.					
35 1H-Indene	116	Compound Not Detected.					
34 2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
138 3-Methylphenol	108	Compound Not Detected.					
36 4-Methylphenol	108	Compound Not Detected.					
139 3 & 4-Methylphenol	108	Compound Not Detected.					
37 N-nitrosodi-n-propylamine	70	Compound Not Detected.					
38 Acetophenone	105	Compound Not Detected.					
41 Hexachloroethane	117	Compound Not Detected.					
44 Nitrobenzene	77	Compound Not Detected.					
47 Isophorone	82	Compound Not Detected.					
49 2-Nitrophenol	139	Compound Not Detected.					
50 2,4-Dimethylphenol	107	Compound Not Detected.					
52 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53 Benzoic acid	122	Compound Not Detected.					
54 2,4-Dichlorophenol	162	Compound Not Detected.					
57 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
59 Naphthalene	128	Compound Not Detected.					
60 4-Chloroaniline	127	Compound Not Detected.					
62 Hexachlorobutadiene	225	Compound Not Detected.					
68 4-Chloro-3-methylphenol	107	Compound Not Detected.					
71 2-Methylnaphthalene	142	Compound Not Detected.					
72 1-Methylnaphthalene	142	Compound Not Detected.					
74 Hexachlorocyclopentadiene	237	Compound Not Detected.					
78 2,4,6-Trichlorophenol	196	Compound Not Detected.					
80 2,4,5-Trichlorophenol	196	Compound Not Detected.					
86 2-Chloronaphthalene	162	Compound Not Detected.					
88 2-Nitroaniline	65	Compound Not Detected.					
91 Dimethyl phthalate	163	Compound Not Detected.					
93 2,6-Dinitrotoluene	165	Compound Not Detected.					
94 Acenaphthylene	152	Compound Not Detected.					
95 3-Nitroaniline	138	Compound Not Detected.					
97 Acenaphthene	153	Compound Not Detected.					
98 2,4-Dinitrophenol	184	Compound Not Detected.					
99 4-Nitrophenol	109	Compound Not Detected.					
101 2,4-Dinitrotoluene	165	Compound Not Detected.					
102 Dibenzofuran	168	Compound Not Detected.					
107 Diethyl phthalate	149	Compound Not Detected.					
109 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
110 Fluorene	166	Compound Not Detected.					
112 4-Nitroaniline	138	Compound Not Detected.					
113 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115 N-nitrosodiphenylamine	169	Compound Not Detected.					
116 Azobenzene	77	Compound Not Detected.					
234 1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
124 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125 Hexachlorobenzene	284	Compound Not Detected.					
129 Pentachlorophenol	266	Compound Not Detected.					
136 Phenanthrene	178	Compound Not Detected.					
137 Anthracene	178	Compound Not Detected.					
140 Carbazole	167	Compound Not Detected.					
143 Di-n-butyl phthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
149 Fluoranthene	202	Compound Not Detected.					
151 Benzidine	184	Compound Not Detected.					
152 Pyrene	202	Compound Not Detected.					
159 Butyl benzyl phthalate	149	Compound Not Detected.					
164 3 3'-Dichlorobenzidine	252	Compound Not Detected.					
165 Benzo(a)anthracene	228	Compound Not Detected.					
167 Chrysene	228	Compound Not Detected.					
162 Bis(2-ethylhexyl) phthalate	149	11.106	11.176	(0.987)	18429	2.55597	82.1856(a)
168 Di-n-octyl phthalate	149	Compound Not Detected.					
171 Benzo(b)fluoranthene	252	Compound Not Detected.					
172 Benzo(k)fluoranthene	252	Compound Not Detected.					
178 Benzo(a)pyrene	252	Compound Not Detected.					
186 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
185 Dibenz(a,h)anthracene	278	Compound Not Detected.					
188 Benzo(g,h,i)perylene	276	Compound Not Detected.					
19 Methyl Styrene	118	Compound Not Detected.					
141 Alachlor	188	Compound Not Detected.					
127 Atrazine	200	Compound Not Detected.					
67 Caprolactam	55	Compound Not Detected.					
79 2,3-Dichlorobenzeneamine	161	Compound Not Detected.					
21 Decane	43	Compound Not Detected.					
56 n-Dodecane	43	Compound Not Detected.					
83 Tetradecane	43	Compound Not Detected.					
105 Hexadecane	57	Compound Not Detected.					
128 n-Octadecane	85	Compound Not Detected.					
144 n-Eicosane	43	Compound Not Detected.					
150 n-docosane	43	10.178	10.201	(1.289)	25463	3.66729	117.919(a)
4 1,4-Dioxane	88	Compound Not Detected.					
158 Famphur	218	Compound Not Detected.					

QC Flag Legend

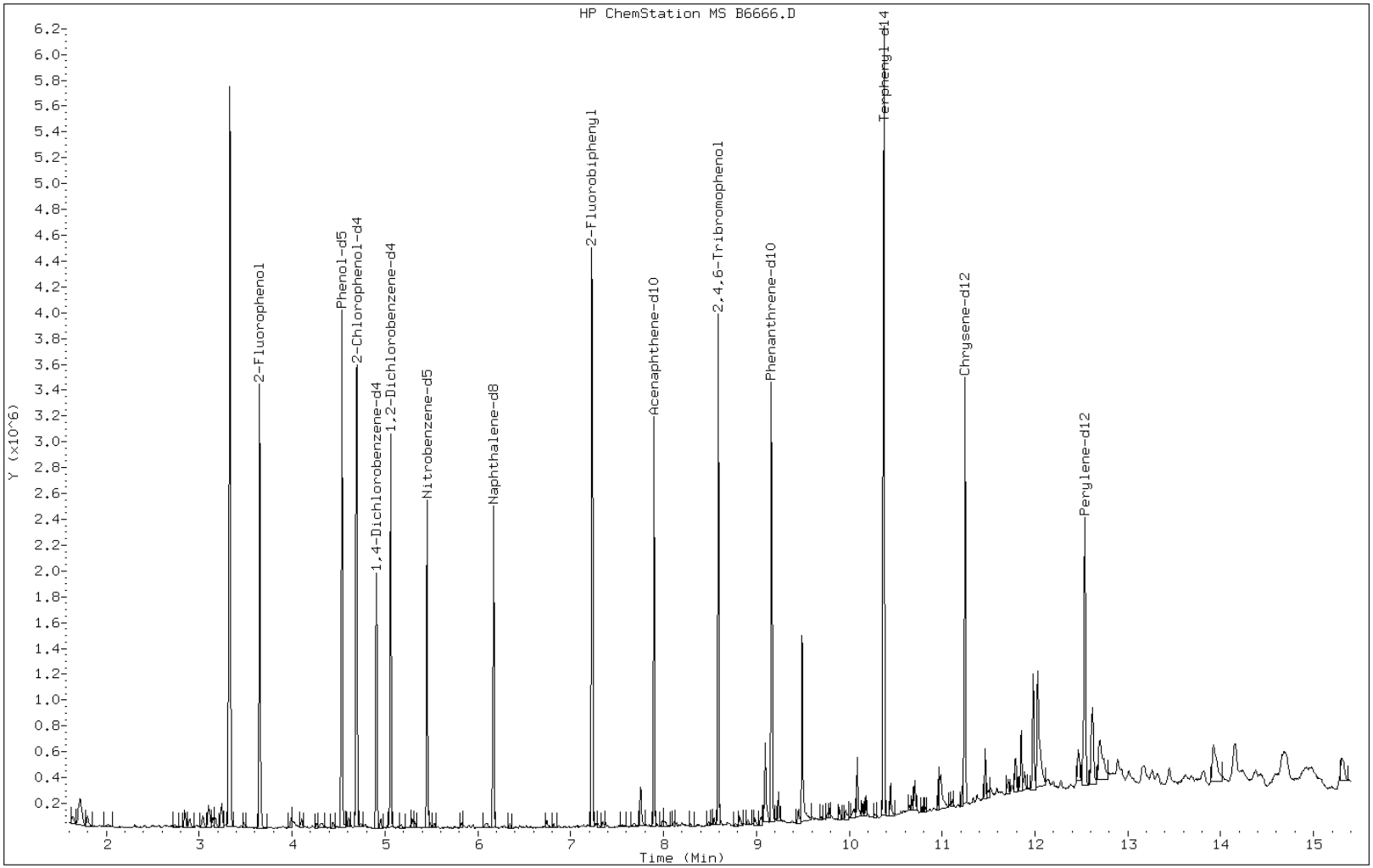
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: B6666.D

Date: 30-AUG-2011 22:56

Client ID: NWO-178-1001 Instrument: B.i

Sample Info: 280-19387-B-1-D Operator: KIEKELD



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19387-1

SDG No.:

Client Sample ID: NWO-178-1002 | Lab Sample ID: 280-19387-2

Matrix: Solid | Lab File ID: B6667.D

Analysis Method: 8270C/DoD | Date Collected: 08/20/2011 09:57

Extract. Method: 3550C | Date Extracted: 08/24/2011 08:50

Sample wt/vol: 31.8(g) | Date Analyzed: 08/30/2011 23:17

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

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

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

Analysis Batch No.: 83845 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-12-7	Anthracene	16.0	U	311	16.0
67-72-1	Hexachloroethane	20.1	U	311	20.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	86		35-125
321-60-8	2-Fluorobiphenyl	75		45-105
367-12-4	2-Fluorophenol (Surr)	64		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	66		35-100
4165-62-2	Phenol-d5 (Surr)	70		40-100
1718-51-0	Terphenyl-d14 (Surr)	81		30-125

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\B.i\083011.B\B6667.D
Lab Smp Id: 280-19387-B-2-F Client Smp ID: NWO-178-1002
Inj Date : 30-AUG-2011 23:17
Operator : KIEKELD Inst ID: B.i
Smp Info : 280-19387-B-2-F
Misc Info : 280-19387-B-2-F
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\B.i\083011.B\8270C.m
Meth Date : 31-Aug-2011 08:49 kiekeld Quant Type: ISTD
Cal Date : 29-AUG-2011 11:42 Cal File: B6600.D
Als bottle: 30
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: H.sub
Target Version: 4.14
Processing Host: DENPC307

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	31.800	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 26 1,4-Dichlorobenzene-d4	152	4.906	4.906	(1.000)	271311	40.0000	
* 58 Naphthalene-d8	136	6.169	6.169	(1.000)	1071218	40.0000	
* 96 Acenaphthene-d10	164	7.896	7.897	(1.000)	618371	40.0000	
* 135 Phenanthrene-d10	188	9.165	9.166	(1.000)	1052615	40.0000	
* 166 Chrysene-d12	240	11.233	11.304	(1.000)	1129284	40.0000	
* 179 Perylene-d12	264	12.520	12.626	(1.000)	1022350	40.0000	
$ 8 2-Fluorophenol	112	3.648	3.644	(0.744)	914973	96.0505	3020.46
$ 15 Phenol-d5	99	4.535	4.537	(0.925)	1222311	104.373	3282.18
$ 43 Nitrobenzene-d5	82	5.452	5.454	(0.884)	652881	66.2680	2083.90
$ 81 2-Fluorobiphenyl	172	7.232	7.234	(0.916)	1418354	74.6518	2347.54
$ 118 2,4,6-Tribromophenol	330	8.589	8.591	(1.088)	374153	129.180	4062.26
$ 154 Terphenyl-d14	244	10.370	10.401	(0.923)	1719648	80.8450	2542.29
$ 29 1,2-Dichlorobenzene-d4	152	5.064	5.060	(1.032)	401674	60.3719	1898.49
$ 22 2-Chlorophenol-d4	132	4.694	4.696	(0.957)	987278	108.757	3420.04
6 Pyridine	79	Compound Not Detected.					
5 N-Nitrosodimethylamine	74	Compound Not Detected.					
18 Aniline	93	Compound Not Detected.					
16 Phenol	94	Compound Not Detected.					
20 Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23 2-Chlorophenol	128	Compound Not Detected.					
25 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
28 Benzyl alcohol	108	5.029	5.031	(1.025)	3128	0.47906	15.0647(a)
30 1,2-Dichlorobenzene	146	Compound Not Detected.					
32 2-Methylphenol	108	Compound Not Detected.					
35 1H-Indene	116	Compound Not Detected.					
34 2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
138 3-Methylphenol	108	Compound Not Detected.					
36 4-Methylphenol	108	Compound Not Detected.					
139 3 & 4-Methylphenol	108	Compound Not Detected.					
37 N-nitrosodi-n-propylamine	70	Compound Not Detected.					
38 Acetophenone	105	Compound Not Detected.					
41 Hexachloroethane	117	Compound Not Detected.					
44 Nitrobenzene	77	Compound Not Detected.					
47 Isophorone	82	Compound Not Detected.					
49 2-Nitrophenol	139	Compound Not Detected.					
50 2,4-Dimethylphenol	107	Compound Not Detected.					
52 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53 Benzoic acid	122	Compound Not Detected.					
54 2,4-Dichlorophenol	162	Compound Not Detected.					
57 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
59 Naphthalene	128	Compound Not Detected.					
60 4-Chloroaniline	127	Compound Not Detected.					
62 Hexachlorobutadiene	225	Compound Not Detected.					
68 4-Chloro-3-methylphenol	107	Compound Not Detected.					
71 2-Methylnaphthalene	142	Compound Not Detected.					
72 1-Methylnaphthalene	142	Compound Not Detected.					
74 Hexachlorocyclopentadiene	237	Compound Not Detected.					
78 2,4,6-Trichlorophenol	196	Compound Not Detected.					
80 2,4,5-Trichlorophenol	196	Compound Not Detected.					
86 2-Chloronaphthalene	162	Compound Not Detected.					
88 2-Nitroaniline	65	Compound Not Detected.					
91 Dimethyl phthalate	163	Compound Not Detected.					
93 2,6-Dinitrotoluene	165	Compound Not Detected.					
94 Acenaphthylene	152	Compound Not Detected.					
95 3-Nitroaniline	138	Compound Not Detected.					
97 Acenaphthene	153	Compound Not Detected.					
98 2,4-Dinitrophenol	184	Compound Not Detected.					
99 4-Nitrophenol	109	Compound Not Detected.					
101 2,4-Dinitrotoluene	165	Compound Not Detected.					
102 Dibenzofuran	168	Compound Not Detected.					
107 Diethyl phthalate	149	Compound Not Detected.					
109 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
110 Fluorene	166	Compound Not Detected.					
112 4-Nitroaniline	138	Compound Not Detected.					
113 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115 N-nitrosodiphenylamine	169	Compound Not Detected.					
116 Azobenzene	77	Compound Not Detected.					
234 1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
124 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125 Hexachlorobenzene	284	Compound Not Detected.					
129 Pentachlorophenol	266	Compound Not Detected.					
136 Phenanthrene	178	Compound Not Detected.					
137 Anthracene	178	Compound Not Detected.					
140 Carbazole	167	Compound Not Detected.					
143 Di-n-butyl phthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
149 Fluoranthene	202	Compound Not Detected.					
151 Benzidine	184	Compound Not Detected.					
152 Pyrene	202	Compound Not Detected.					
159 Butyl benzyl phthalate	149	Compound Not Detected.					
164 3 3'-Dichlorobenzidine	252	Compound Not Detected.					
165 Benzo(a)anthracene	228	Compound Not Detected.					
167 Chrysene	228	Compound Not Detected.					
162 Bis(2-ethylhexyl) phthalate	149	11.098	11.176	(0.988)	14906	2.37927	74.8197(aQH)
168 Di-n-octyl phthalate	149	Compound Not Detected.					
171 Benzo(b)fluoranthene	252	Compound Not Detected.					
172 Benzo(k)fluoranthene	252	Compound Not Detected.					
178 Benzo(a)pyrene	252	Compound Not Detected.					
186 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
185 Dibenz(a,h)anthracene	278	Compound Not Detected.					
188 Benzo(g,h,i)perylene	276	Compound Not Detected.					
19 Methyl Styrene	118	Compound Not Detected.					
141 Alachlor	188	Compound Not Detected.					
127 Atrazine	200	Compound Not Detected.					
67 Caprolactam	55	Compound Not Detected.					
79 2,3-Dichlorobenzeneamine	161	Compound Not Detected.					
21 Decane	43	Compound Not Detected.					
56 n-Dodecane	43	Compound Not Detected.					
83 Tetradecane	43	Compound Not Detected.					
105 Hexadecane	57	Compound Not Detected.					
128 n-Octadecane	85	Compound Not Detected.					
144 n-Eicosane	43	Compound Not Detected.					
150 n-docosane	43	10.170	10.201	(1.288)	14746	2.14718	67.5215(a)
4 1,4-Dioxane	88	Compound Not Detected.					
158 Famphur	218	Compound Not Detected.					

QC Flag Legend

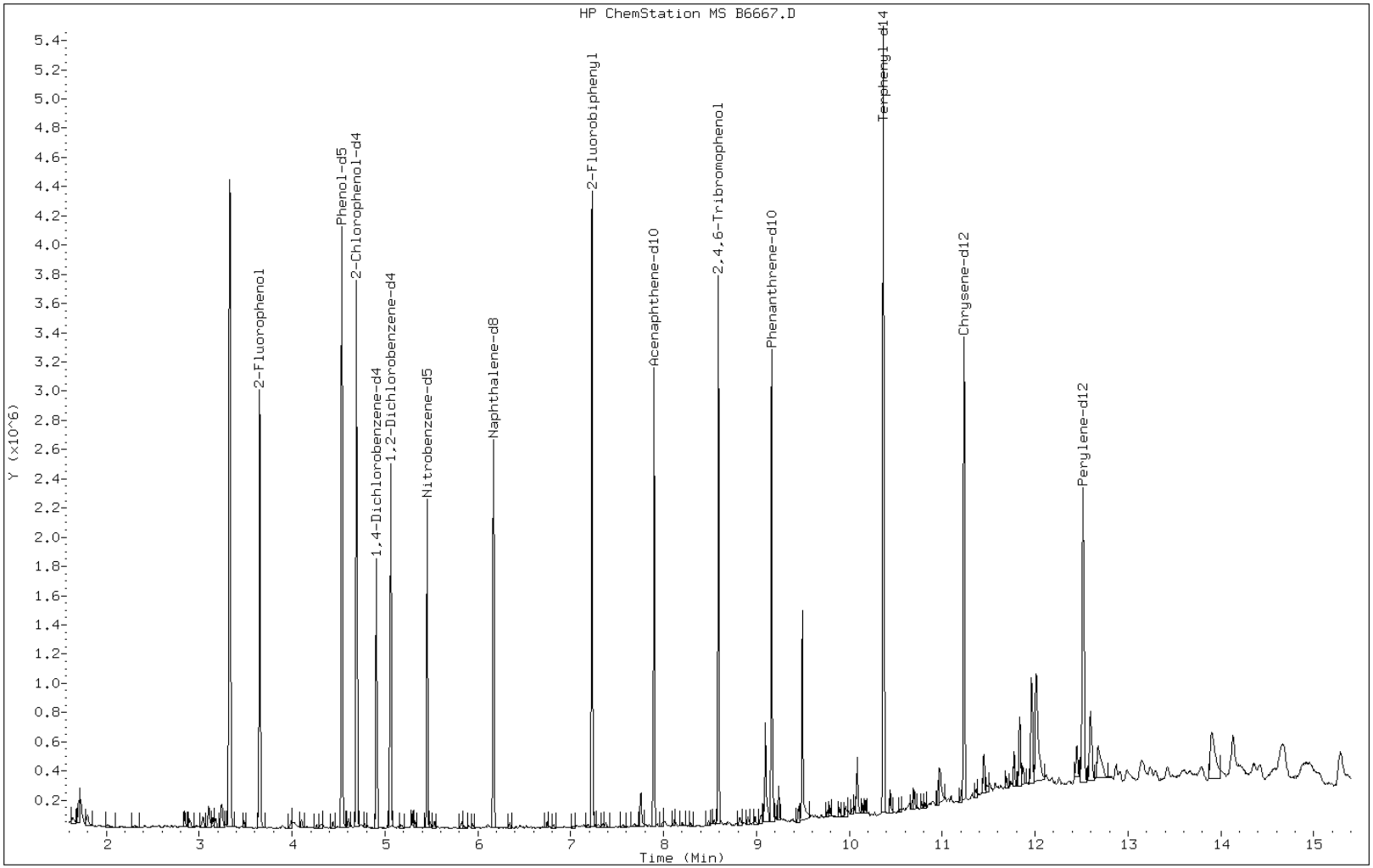
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: B6667.D

Date: 30-AUG-2011 23:17

Client ID: NWO-178-1002 Instrument: B.i

Sample Info: 280-19387-B-2-F Operator: KIEKELD



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19387-1

SDG No.:

Client Sample ID: NWO-178-5002 | Lab Sample ID: 280-19387-3

Matrix: Solid | Lab File ID: B6668.D

Analysis Method: 8270C/DoD | Date Collected: 08/17/2011 16:46

Extract. Method: 3550C | Date Extracted: 08/24/2011 08:50

Sample wt/vol: 30.3(g) | Date Analyzed: 08/30/2011 23:37

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

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

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

Analysis Batch No.: 83845 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-12-7	Anthracene	16.8	U	327	16.8
67-72-1	Hexachloroethane	21.1	U	327	21.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	92		35-125
321-60-8	2-Fluorobiphenyl	81		45-105
367-12-4	2-Fluorophenol (Surr)	77		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	79		35-100
4165-62-2	Phenol-d5 (Surr)	82		40-100
1718-51-0	Terphenyl-d14 (Surr)	83		30-125

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\B.i\083011.B\B6668.D
Lab Smp Id: 280-19387-E-3-F Client Smp ID: NWO-178-5002
Inj Date : 30-AUG-2011 23:37
Operator : KIEKELD Inst ID: B.i
Smp Info : 280-19387-E-3-F
Misc Info : 280-19387-E-3-F
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\B.i\083011.B\8270C.m
Meth Date : 31-Aug-2011 08:49 kiekeld Quant Type: ISTD
Cal Date : 29-AUG-2011 11:42 Cal File: B6600.D
Als bottle: 31
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: H.sub
Target Version: 4.14
Processing Host: DENPC307

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	30.300	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 26 1,4-Dichlorobenzene-d4	152	4.907	4.906	(1.000)	274480	40.0000	
* 58 Naphthalene-d8	136	6.170	6.169	(1.000)	1089446	40.0000	
* 96 Acenaphthene-d10	164	7.898	7.897	(1.000)	636068	40.0000	
* 135 Phenanthrene-d10	188	9.161	9.166	(1.000)	1071886	40.0000	
* 166 Chrysene-d12	240	11.229	11.304	(1.000)	1154591	40.0000	
* 179 Perylene-d12	264	12.510	12.626	(1.000)	1038146	40.0000	
$ 8 2-Fluorophenol	112	3.650	3.644	(0.744)	1119404	116.154	3833.47
$ 15 Phenol-d5	99	4.537	4.537	(0.925)	1453647	122.694	4049.31
$ 43 Nitrobenzene-d5	82	5.453	5.454	(0.884)	796475	79.4903	2623.44
$ 81 2-Fluorobiphenyl	172	7.228	7.234	(0.915)	1576820	80.6833	2662.81
$ 118 2,4,6-Tribromophenol	330	8.591	8.591	(1.088)	411648	138.171	4560.10
$ 154 Terphenyl-d14	244	10.365	10.401	(0.923)	1804943	82.9950	2739.11
$ 29 1,2-Dichlorobenzene-d4	152	5.060	5.060	(1.031)	513931	76.3523	2519.88
$ 22 2-Chlorophenol-d4	132	4.695	4.696	(0.957)	1207027	131.429	4337.60
6 Pyridine	79	Compound Not Detected.					
5 N-Nitrosodimethylamine	74	Compound Not Detected.					
18 Aniline	93	Compound Not Detected.					
16 Phenol	94	Compound Not Detected.					
20 Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23 2-Chlorophenol	128	Compound Not Detected.					
25 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
28 Benzyl alcohol	108	5.030	5.031	(1.025)	2255	0.34137	11.2663(a)
30 1,2-Dichlorobenzene	146	Compound Not Detected.					
32 2-Methylphenol	108	Compound Not Detected.					
35 1H-Indene	116	Compound Not Detected.					
34 2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
138 3-Methylphenol	108	Compound Not Detected.					
36 4-Methylphenol	108	Compound Not Detected.					
139 3 & 4-Methylphenol	108	Compound Not Detected.					
37 N-nitrosodi-n-propylamine	70	Compound Not Detected.					
38 Acetophenone	105	Compound Not Detected.					
41 Hexachloroethane	117	Compound Not Detected.					
44 Nitrobenzene	77	Compound Not Detected.					
47 Isophorone	82	Compound Not Detected.					
49 2-Nitrophenol	139	Compound Not Detected.					
50 2,4-Dimethylphenol	107	Compound Not Detected.					
52 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53 Benzoic acid	122	Compound Not Detected.					
54 2,4-Dichlorophenol	162	Compound Not Detected.					
57 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
59 Naphthalene	128	Compound Not Detected.					
60 4-Chloroaniline	127	Compound Not Detected.					
62 Hexachlorobutadiene	225	Compound Not Detected.					
68 4-Chloro-3-methylphenol	107	Compound Not Detected.					
71 2-Methylnaphthalene	142	Compound Not Detected.					
72 1-Methylnaphthalene	142	Compound Not Detected.					
74 Hexachlorocyclopentadiene	237	Compound Not Detected.					
78 2,4,6-Trichlorophenol	196	Compound Not Detected.					
80 2,4,5-Trichlorophenol	196	Compound Not Detected.					
86 2-Chloronaphthalene	162	Compound Not Detected.					
88 2-Nitroaniline	65	Compound Not Detected.					
91 Dimethyl phthalate	163	Compound Not Detected.					
93 2,6-Dinitrotoluene	165	Compound Not Detected.					
94 Acenaphthylene	152	Compound Not Detected.					
95 3-Nitroaniline	138	Compound Not Detected.					
97 Acenaphthene	153	Compound Not Detected.					
98 2,4-Dinitrophenol	184	Compound Not Detected.					
99 4-Nitrophenol	109	Compound Not Detected.					
101 2,4-Dinitrotoluene	165	Compound Not Detected.					
102 Dibenzofuran	168	Compound Not Detected.					
107 Diethyl phthalate	149	Compound Not Detected.					
109 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
110 Fluorene	166	Compound Not Detected.					
112 4-Nitroaniline	138	Compound Not Detected.					
113 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115 N-nitrosodiphenylamine	169	Compound Not Detected.					
116 Azobenzene	77	Compound Not Detected.					
234 1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
124 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125 Hexachlorobenzene	284	Compound Not Detected.					
129 Pentachlorophenol	266	Compound Not Detected.					
136 Phenanthrene	178	Compound Not Detected.					
137 Anthracene	178	Compound Not Detected.					
140 Carbazole	167	Compound Not Detected.					
143 Di-n-butyl phthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
149 Fluoranthene	202	Compound Not Detected.					
151 Benzidine	184	Compound Not Detected.					
152 Pyrene	202	Compound Not Detected.					
159 Butyl benzyl phthalate	149	Compound Not Detected.					
164 3 3'-Dichlorobenzidine	252	Compound Not Detected.					
165 Benzo(a)anthracene	228	Compound Not Detected.					
167 Chrysene	228	Compound Not Detected.					
162 Bis(2-ethylhexyl) phthalate	149	11.088	11.176	(0.987)	15481	2.39094	78.9089(aH)
168 Di-n-octyl phthalate	149	Compound Not Detected.					
171 Benzo(b)fluoranthene	252	Compound Not Detected.					
172 Benzo(k)fluoranthene	252	Compound Not Detected.					
178 Benzo(a)pyrene	252	Compound Not Detected.					
186 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
185 Dibenz(a,h)anthracene	278	Compound Not Detected.					
188 Benzo(g,h,i)perylene	276	Compound Not Detected.					
19 Methyl Styrene	118	Compound Not Detected.					
141 Alachlor	188	Compound Not Detected.					
127 Atrazine	200	Compound Not Detected.					
67 Caprolactam	55	Compound Not Detected.					
79 2,3-Dichlorobenzeneamine	161	Compound Not Detected.					
21 Decane	43	Compound Not Detected.					
56 n-Dodecane	43	Compound Not Detected.					
83 Tetradecane	43	Compound Not Detected.					
105 Hexadecane	57	Compound Not Detected.					
128 n-Octadecane	85	Compound Not Detected.					
144 n-Eicosane	43	Compound Not Detected.					
150 n-docosane	43	Compound Not Detected.					
4 1,4-Dioxane	88	Compound Not Detected.					
158 Famphur	218	Compound Not Detected.					

QC Flag Legend

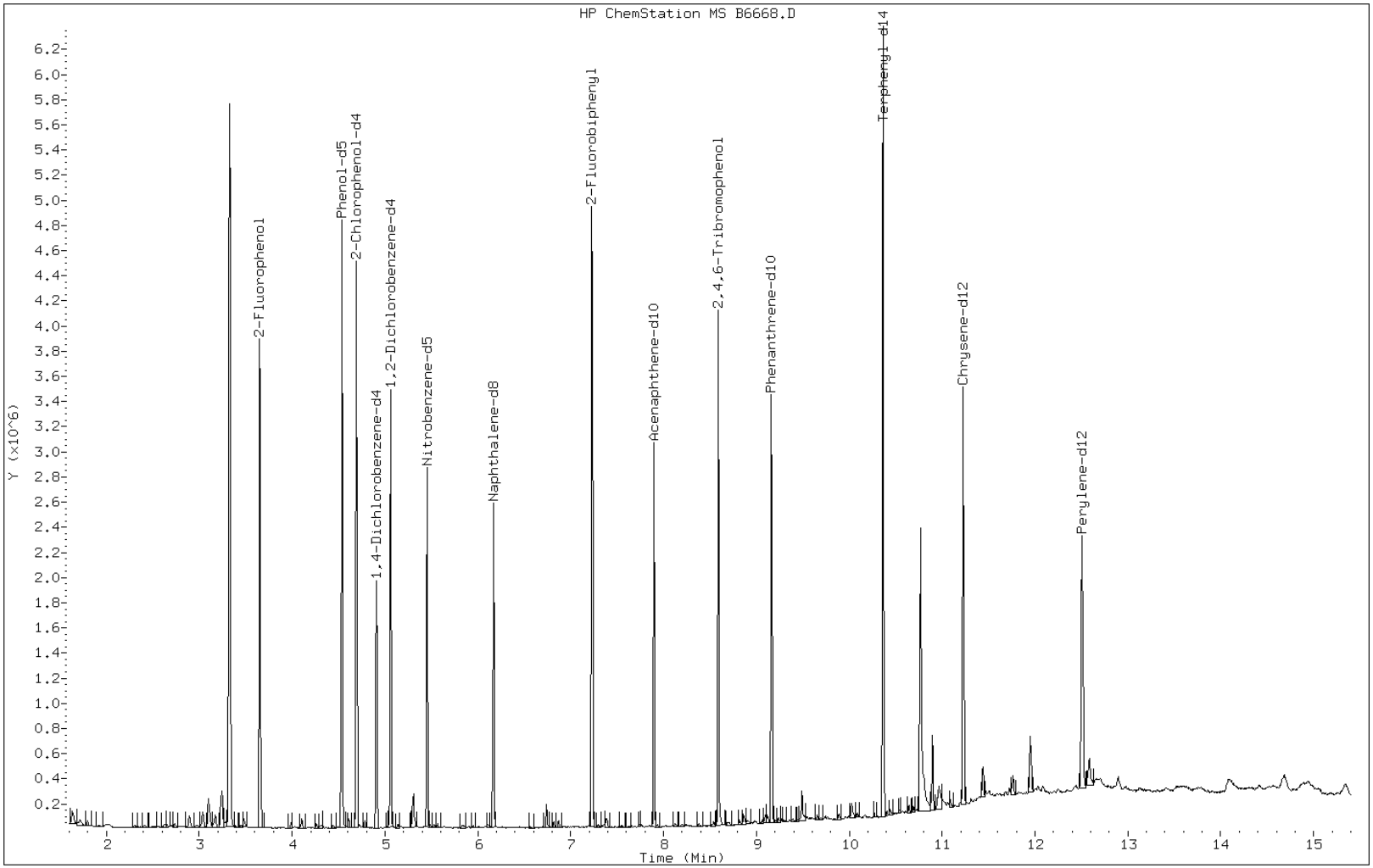
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: B6668.D

Date: 30-AUG-2011 23:37

Client ID: NWO-178-5002 Instrument: B.i

Sample Info: 280-19387-E-3-F Operator: KIEKELD



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

Lab Name: TestAmerica Denver Job No.: 280-19387-1 Analy Batch No.: 79173

SDG No.:

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

Calibration Start Date: 07/28/2011 15:50 Calibration End Date: 07/28/2011 18:15 Calibration ID: 6605

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD004 280-79173/3	B6078.D
Level 2	STD010 280-79173/4	B6079.D
Level 3	STD020 280-79173/5	B6080.D
Level 4	STD050 280-79173/6	B6081.D
Level 5	ICIS 280-79173/2	B6077.D
Level 6	STD120 280-79173/7	B6082.D
Level 7	STD160 280-79173/8	B6083.D
Level 8	STD200 280-79173/9	B6084.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.6850 0.5983	0.6498 0.5955	0.6333 0.5805	0.6091	0.6110	Ave		0.6203				5.5		15.0			
N-Nitrosodimethylamine	+++++ 0.9106	0.9172 0.9099	0.9115 0.8958	0.9197	0.9185	Ave		0.9119				0.9		15.0			
Pyridine	+++++ 1.6476	1.6618 1.6222	1.6545 1.5974	1.6608	1.6553	Ave		1.6428				1.5		15.0			
Phenol	+++++ 1.7539	1.9703 1.6779	1.9021 1.5900	1.8889	1.8308	Ave		1.8020				7.5		15.0			
Aniline	+++++ 2.1767	2.3625 2.1355	2.2989 2.0608	2.2672	2.2347	Ave		2.2195				4.6		15.0			
Bis(2-chloroethyl)ether	+++++ 1.2177	1.4729 1.1566	1.4125 1.0956	1.3683	1.3095	Ave		1.2905				10.8		15.0			
2-Chlorophenol	+++++ 1.4172	1.6217 1.3596	1.5904 1.2813	1.5339	1.4901	Ave		1.4706				8.4		15.0			
1,3-Dichlorobenzene	1.7946 1.5911	1.8439 1.5114	1.7481 1.4410	1.6885	1.6400	Ave		1.6573				8.4		15.0			
1,4-Dichlorobenzene	1.8285 1.5914	1.8218 1.5134	1.7434 1.4471	1.7123	1.6630	Ave		1.6651				8.4		15.0			
Benzyl alcohol	+++++ 0.9516	0.9755 0.9346	0.9791 0.9061	1.0022	0.9895	Ave		0.9627				3.5		15.0			
1,2-Dichlorobenzene	1.6485 1.4656	1.7171 1.3932	1.6527 1.3314	1.6075	1.5574	Ave		1.5467				8.8		15.0			
2-Methylphenol	+++++ 1.3534	1.4651 1.3141	1.4361 1.2653	1.4548	1.4068	Ave		1.3851				5.5		15.0			
2,2'-oxybis[1-chloropropane]	+++++ 1.6008	1.7749 1.5611	1.6895 1.5169	1.6734	1.6402	Ave		1.6367				5.3		15.0			
3 & 4 Methylphenol	+++++ 1.4051	1.5466 1.3586	1.5164 1.3089	1.5022	1.4581	Ave		1.4423				6.1		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-19387-1 Analy Batch No.: 79173

SDG No.:

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

Calibration Start Date: 07/28/2011 15:50 Calibration End Date: 07/28/2011 18:15 Calibration ID: 6605

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Methylphenol	+++++ 1.4051	1.5466 1.3586	1.5164 1.3089	1.5022	1.4581	Ave		1.4423				6.1		15.0			
N-Nitrosodi-n-propylamine	+++++ 0.9721	1.0145 0.9316	1.0498 0.8922	1.0283	0.9978	Ave		0.9838			0.0500	5.7		15.0			
Acetophenone	+++++ 1.8524	2.0620 1.8029	2.0516 1.6989	2.0085	1.9445	Ave		1.9173				7.2		15.0			
Hexachloroethane	0.6589 0.6220	0.6649 0.6071	0.6590 0.5767	0.6558	0.6453	Ave		0.6362				4.9		15.0			
Nitrobenzene	+++++ 0.3517	0.3802 0.3408	0.3762 0.3287	0.3813	0.3633	Ave		0.3603				5.7		15.0			
Isophorone	+++++ 0.6216	0.6563 0.5996	0.6542 0.5853	0.6610	0.6408	Ave		0.6313				4.7		15.0			
2-Nitrophenol	+++++ 0.1762	0.1758 0.1646	0.1874 0.1586	0.1939	0.1821	Ave		0.1769				7.0		15.0			
2,4-Dimethylphenol	+++++ 0.3188	0.3735 0.2994	0.3688 0.2860	0.3600	0.3390	Ave		0.3351				10.3		15.0			
Benzoic acid	+++++ 0.1950	+++++ 0.2185	0.1651 0.2150	0.1997	0.2087	Ave		0.2003				9.7		15.0			
Bis(2-chloroethoxy)methane	+++++ 0.3935	0.4317 0.3718	0.4326 0.3514	0.4229	0.4088	Ave		0.4018				7.8		15.0			
2,4-Dichlorophenol	+++++ 0.2893	0.3051 0.2768	0.3070 0.2655	0.3125	0.3006	Ave		0.2938				5.9		15.0			
1,2,4-Trichlorobenzene	0.3734 0.3138	0.3702 0.2968	0.3664 0.2832	0.3471	0.3299	Ave		0.3351				10.4		15.0			
Naphthalene	1.1610 0.9651	1.1527 0.9114	1.1137 0.8599	1.0812	1.0125	Ave		1.0322				10.9		15.0			
4-Chloroaniline	+++++ 0.4343	0.4771 0.4122	0.4761 0.3973	0.4687	0.4503	Ave		0.4451				7.1		15.0			
Hexachlorobutadiene	+++++ 0.1716	0.1959 0.1651	0.1910 0.1600	0.1850	0.1791	Ave		0.1783				7.5		15.0			
Caprolactam	+++++ 0.1134	0.1117 0.1335	0.1219 0.1332	0.1358	0.1168	Ave		0.1238				8.3		15.0			
4-Chloro-3-methylphenol	+++++ 0.3016	0.3166 0.2895	0.3176 0.2801	0.3301	0.3111	Ave		0.3066				5.7		15.0			
2-Methylnaphthalene	0.7856 0.6622	0.7806 0.6186	0.7649 0.5868	0.7463	0.7024	Ave		0.7059				10.8		15.0			
1-Methylnaphthalene	0.7471 0.6353	0.7625 0.5971	0.7432 0.5709	0.7185	0.6768	Ave		0.6814				10.7		15.0			
Hexachlorocyclopentadiene	+++++ 0.3462	0.3169 0.3419	0.3451 0.3344	0.3537	0.3506	Ave		0.3412			0.0500	3.6		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-19387-1 Analy Batch No.: 79173

SDG No.:

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

Calibration Start Date: 07/28/2011 15:50 Calibration End Date: 07/28/2011 18:15 Calibration ID: 6605

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2,4,6-Trichlorophenol	+++++ 0.3481	0.3694 0.3296	0.3683 0.3205	0.3683	0.3586	Ave		0.3518				5.7		15.0			
2,4,5-Trichlorophenol	+++++ 0.3916	0.4084 0.3735	0.4244 0.3617	0.4141	0.4117	Ave		0.3979				5.8		15.0			
2-Chloronaphthalene	1.2331 1.0253	1.2182 0.9762	1.1832 0.9339	1.1351	1.0936	Ave		1.0998				10.2		15.0			
2-Nitroaniline	+++++ 0.3207	0.3172 0.3140	0.3146 0.3105	0.3278	0.3299	Ave		0.3192				2.3		15.0			
Dimethyl phthalate	1.3191 1.1443	1.3416 1.0890	1.3138 1.0484	1.2488	1.1915	Ave		1.2121				9.2		15.0			
2,6-Dinitrotoluene	+++++ 0.2888	0.3122 0.2825	0.3091 0.3041	0.3081	0.3009	Ave		0.3008				3.7		15.0			
Acenaphthylene	1.8662 1.6301	1.9656 1.5296	1.9245 1.4550	1.8277	1.7351	Ave		1.7417				10.8		15.0			
3-Nitroaniline	+++++ 0.3536	0.3606 0.3400	0.3667 0.3363	0.3620	0.3646	Ave		0.3548				3.4		15.0			
Acenaphthene	1.2594 1.0297	1.2516 0.9690	1.2175 0.9195	1.1550	1.1063	Ave		1.1135				11.7		15.0			
2,4-Dinitrophenol	+++++ 0.1843	+++++ 0.1874	0.1224 0.1901	0.1637	0.1728	Ave		0.1701			0.0500	14.9		15.0			
4-Nitrophenol	+++++ 0.1963	0.1754 0.1950	0.1945 0.1920	0.1979	0.2014	Ave		0.1932			0.0500	4.4		15.0			
2,4-Dinitrotoluene	+++++ 0.3865	0.3866 0.3749	0.4034 0.3641	0.3997	0.4001	Ave		0.3879				3.7		15.0			
Dibenzofuran	1.7577 1.4476	1.7719 1.3589	1.7425 1.2762	1.6355	1.5471	Ave		1.5672				12.2		15.0			
Diethyl phthalate	1.3042 1.1545	1.3318 1.0883	1.3232 1.0480	1.2600	1.2158	Ave		1.2157				9.0		15.0			
4-Chlorophenyl phenyl ether	+++++ 0.5671	0.6613 0.5384	0.6600 0.5157	0.6226	0.5972	Ave		0.5946				9.6		15.0			
Fluorene	1.4566 1.2062	1.4901 1.1333	1.4534 1.0783	1.3592	1.3058	Ave		1.3104				12.0		15.0			
4-Nitroaniline	+++++ 0.3430	0.3528 0.3219	0.3650 0.3129	0.3727	0.3570	Ave		0.3465				6.4		15.0			
4,6-Dinitro-2-methylphenol	+++++ 0.1383	+++++ 0.1355	0.1234 0.1270	0.1376	0.1386	Ave		0.1334				4.9		15.0			
N-Nitrosodiphenylamine	+++++ 0.6195	0.7419 0.5792	0.7186 0.5435	0.6924	0.6584	Ave		0.6505				11.3		15.0			
1,2-Diphenylhydrazine	1.3399 1.2133	1.3756 1.1583	1.3622 1.1152	1.2990	1.2785	Ave		1.2678				7.6		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-19387-1 Analy Batch No.: 79173

SDG No.:

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

Calibration Start Date: 07/28/2011 15:50 Calibration End Date: 07/28/2011 18:15 Calibration ID: 6605

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Bromophenyl phenyl ether	+++++ 0.2060	0.2287 0.1968	0.2285 0.1882	0.2222	0.2159	Ave		0.2123				7.4		15.0			
Hexachlorobenzene	+++++ 0.2158	0.2441 0.2087	0.2399 0.1989	0.2368	0.2275	Ave		0.2245				7.6		15.0			
Atrazine	+++++ 0.2009	0.2103 0.1872	0.2111 0.1780	0.2180	0.2085	Ave		0.2020				7.1		15.0			
Pentachlorophenol	+++++ 0.1546	+++++ 0.1491	0.1441 0.1451	0.1599	0.1549	Ave		0.1513				4.1		15.0			
Phenanthrene	1.2715 1.0034	1.2417 0.9378	1.2221 0.8721	1.1588	1.0880	Ave		1.0994				13.6		15.0			
Anthracene	1.2221 1.0294	1.2260 0.9557	1.2329 0.8859	1.1785	1.1097	Ave		1.1050				12.1		15.0			
Carbazole	1.1639 1.0075	1.1983 0.9396	1.2068 0.8721	1.1355	1.0779	Ave		1.0752				11.6		15.0			
Di-n-butyl phthalate	1.1363 1.1675	1.2512 1.1034	1.3058 1.0162	1.2820	1.2311	Ave		1.1867				8.3		15.0			
Fluoranthene	1.2689 1.1265	1.3277 1.0155	1.3319 0.9692	1.2737	1.2025	Ave		1.1895				11.7		15.0			
Benzidine	+++++ 0.6430	+++++ 0.6421	0.6275 0.6215	0.6819	0.6690	Ave		0.6475				3.6		15.0			
Pyrene	1.1926 1.0775	1.2353 1.0328	1.2197 0.9960	1.1848	1.1428	Ave		1.1352				7.9		15.0			
Famphur	0.3211 0.3594	0.3875 0.3266	0.4212 0.3039	0.4190	0.3974	Ave		0.3670				12.5		15.0			
Butyl benzyl phthalate	0.4623 0.4812	0.5184 0.4555	0.5345 0.4343	0.5252	0.5110	Ave		0.4903				7.6		15.0			
Bis(2-ethylhexyl) phthalate	0.4273 0.7124	0.5821 0.7006	0.6487 0.6823	0.7126	0.7216	Lin2	0.0410	0.7151							0.9992		0.9900
3,3'-Dichlorobenzidine	+++++ 0.4092	0.3856 0.3978	0.4002 0.3883	0.4215	0.4284	Ave		0.4044				4.0		15.0			
Benzo[a]anthracene	1.1499 1.0736	1.1793 1.0406	1.1648 1.0106	1.1401	1.1163	Ave		1.1094				5.5		15.0			
Chrysene	1.2074 1.0357	1.1988 1.0032	1.1948 0.9660	1.1295	1.1170	Ave		1.1065				8.5		15.0			
Di-n-octyl phthalate	0.5889 1.2312	0.8660 1.2204	1.0294 1.1976	1.1982	1.2455	Lin2	0.0555	1.2282							0.9977		0.9900
Benzo[b]fluoranthene	1.0378 1.0308	1.0862 1.0086	1.1796 1.0987	1.2793	1.2092	Ave		1.1163				8.7		15.0			
Benzo[k]fluoranthene	1.3771 1.2376	1.4337 1.1958	1.3560 0.9985	1.2408	1.2174	Ave		1.2571				10.8		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-19387-1 Analy Batch No.: 79173

SDG No.:

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

Calibration Start Date: 07/28/2011 15:50 Calibration End Date: 07/28/2011 18:15 Calibration ID: 6605

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Benzo[a]pyrene	0.9778 1.0540	1.1312 1.0392	1.1609 0.9910	1.1374	1.1193	Ave		1.0763				6.5		15.0			
Dibenz(a,h)anthracene	0.8739 0.9932	0.9991 0.9720	1.0356 0.9405	1.0524	1.0418	Ave		0.9885				6.0		15.0			
Indeno[1,2,3-cd]pyrene	1.0450 1.2433	1.1536 1.2409	1.1945 1.2414	1.2282	1.2565	Ave		1.2004				5.9		15.0			
Benzo[g,h,i]perylene	0.9755 1.0873	1.0711 1.0833	1.1052 1.0601	1.1181	1.1331	Ave		1.0792				4.5		15.0			
2-Fluorophenol (Surr)	+++++ 1.3850	1.5034 1.3349	1.4571 1.2769	1.4573	1.4166	Ave		1.4044				5.6		15.0			
Phenol-d5 (Surr)	+++++ 1.6706	1.8683 1.6125	1.8169 1.5536	1.8175	1.7467	Ave		1.7266				6.8		15.0			
Nitrobenzene-d5 (Surr)	+++++ 0.3643	0.3685 0.3555	0.3771 0.3480	0.3864	0.3754	Ave		0.3679				3.6		15.0			
2-Fluorobiphenyl	+++++ 1.1672	1.3990 1.1115	1.3736 1.0530	1.2756	1.2232	Ave		1.2290				10.5		15.0			
2,4,6-Tribromophenol (Surr)	0.1628 0.1896	0.1898 0.1852	0.1965 0.1817	0.1963	0.1968	Ave		0.1874				6.1		15.0			
Terphenyl-d14 (Surr)	+++++ 0.7337	0.8069 0.7040	0.7972 0.6895	0.7786	0.7640	Ave		0.7534				6.0		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-19387-1 Analy Batch No.: 79173

SDG No.:

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

Calibration Start Date: 07/28/2011 15:50 Calibration End Date: 07/28/2011 18:15 Calibration ID: 6605

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD004 280-79173/3	B6078.D
Level 2	STD010 280-79173/4	B6079.D
Level 3	STD020 280-79173/5	B6080.D
Level 4	STD050 280-79173/6	B6081.D
Level 5	ICIS 280-79173/2	B6077.D
Level 6	STD120 280-79173/7	B6082.D
Level 7	STD160 280-79173/8	B6083.D
Level 8	STD200 280-79173/9	B6084.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCB	Ave	14424 372209	34619 497764	67025 617570	160810	259794	4.00 120	10.0 160	20.0 200	50.0	80.0
N-Nitrosodimethylamine	DCB	Ave	+++++ 566518	48864 760544	96477 953066	242824	390557	+++++ 120	10.0 160	20.0 200	50.0	80.0
Pyridine	DCB	Ave	+++++ 1025010	88528 1355990	175110 1699462	438485	703833	+++++ 120	10.0 160	20.0 200	50.0	80.0
Phenol	DCB	Ave	+++++ 1091146	104961 1402537	201320 1691578	498715	778460	+++++ 120	10.0 160	20.0 200	50.0	80.0
Aniline	DCB	Ave	+++++ 1354188	125859 1785000	243315 2192514	598601	950182	+++++ 120	10.0 160	20.0 200	50.0	80.0
Bis(2-chloroethyl)ether	DCB	Ave	+++++ 757558	78467 966728	149499 1165666	361275	556808	+++++ 120	10.0 160	20.0 200	50.0	80.0
2-Chlorophenol	DCB	Ave	+++++ 881646	86394 1136446	168329 1363172	405001	633562	+++++ 120	10.0 160	20.0 200	50.0	80.0
1,3-Dichlorobenzene	DCB	Ave	37789 989888	98228 1263323	185021 1533055	445798	697308	4.00 120	10.0 160	20.0 200	50.0	80.0
1,4-Dichlorobenzene	DCB	Ave	38503 990044	97051 1265007	184521 1539567	452087	707113	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzyl alcohol	DCB	Ave	+++++ 592004	51970 781168	103632 964030	264596	420725	+++++ 120	10.0 160	20.0 200	50.0	80.0
1,2-Dichlorobenzene	DCB	Ave	34713 911761	91473 1164567	174920 1416529	424421	662178	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Methylphenol	DCB	Ave	+++++ 841999	78048 1098388	151991 1346195	384092	598181	+++++ 120	10.0 160	20.0 200	50.0	80.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	+++++ 995914	94554 1304841	178813 1613867	441816	697412	+++++ 120	10.0 160	20.0 200	50.0	80.0
3 & 4 Methylphenol	DCB	Ave	+++++ 874159	82389 1135639	160493 1392551	396609	619990	+++++ 120	10.0 160	20.0 200	50.0	80.0
4-Methylphenol	DCB	Ave	+++++ 874159	82389 1135639	160493 1392551	396609	619990	+++++ 120	10.0 160	20.0 200	50.0	80.0

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

Lab Name: TestAmerica Denver Job No.: 280-19387-1 Analy Batch No.: 79173

SDG No.:

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

Calibration Start Date: 07/28/2011 15:50 Calibration End Date: 07/28/2011 18:15 Calibration ID: 6605

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
N-Nitrosodi-n-propylamine	DCB	Ave	+++++ 604787	54045 778724	111113 949230	271500	424274	+++++ 120	10.0 160	20.0 200	50.0	80.0
Acetophenone	DCB	Ave	+++++ 1152450	109848 1506971	217136 1807502	530304	826768	+++++ 120	10.0 160	20.0 200	50.0	80.0
Hexachloroethane	DCB	Ave	13875 386982	35423 507420	69744 613543	173141	274397	4.00 120	10.0 160	20.0 200	50.0	80.0
Nitrobenzene	NPT	Ave	+++++ 881935	81649 1157252	158684 1415695	400353	624231	+++++ 120	10.0 160	20.0 200	50.0	80.0
Isophorone	NPT	Ave	+++++ 1558757	140937 2036268	275916 2521239	694060	1100995	+++++ 120	10.0 160	20.0 200	50.0	80.0
2-Nitrophenol	NPT	Ave	+++++ 441939	37746 558819	79059 683212	203631	312877	+++++ 120	10.0 160	20.0 200	50.0	80.0
2,4-Dimethylphenol	NPT	Ave	+++++ 799479	80202 1016801	155567 1232015	378005	582426	+++++ 120	10.0 160	20.0 200	50.0	80.0
Benzoic acid	NPT	Ave	+++++ 489032	+++++ 742108	69645 926186	209713	358595	+++++ 120	+++++ 160	20.0 200	50.0	80.0
Bis(2-chloroethoxy)methane	NPT	Ave	+++++ 986689	92692 1262441	182452 1513627	444115	702421	+++++ 120	10.0 160	20.0 200	50.0	80.0
2,4-Dichlorophenol	NPT	Ave	+++++ 725509	65506 939957	129508 1143580	328170	516536	+++++ 120	10.0 160	20.0 200	50.0	80.0
1,2,4-Trichlorobenzene	NPT	Ave	31170 786977	79500 1007930	154556 1220070	364443	566768	4.00 120	10.0 160	20.0 200	50.0	80.0
Naphthalene	NPT	Ave	96929 2420120	247525 3094935	469747 3703984	1135356	1739619	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Chloroaniline	NPT	Ave	+++++ 1089039	102446 1399915	200814 1711386	492199	773679	+++++ 120	10.0 160	20.0 200	50.0	80.0
Hexachlorobutadiene	NPT	Ave	+++++ 430320	42074 560698	80573 689057	194253	307803	+++++ 120	10.0 160	20.0 200	50.0	80.0
Caprolactam	NPT	Ave	+++++ 284478	23985 453381	51409 573884	142612	200656	+++++ 120	10.0 160	20.0 200	50.0	80.0
4-Chloro-3-methylphenol	NPT	Ave	+++++ 756290	67982 983100	133973 1206344	346621	534524	+++++ 120	10.0 160	20.0 200	50.0	80.0
2-Methylnaphthalene	NPT	Ave	65585 1660645	167624 2100666	322639 2527795	783672	1206849	4.00 120	10.0 160	20.0 200	50.0	80.0
1-Methylnaphthalene	NPT	Ave	62372 1593174	163742 2027705	313490 2459259	754454	1162808	4.00 120	10.0 160	20.0 200	50.0	80.0
Hexachlorocyclopentadiene	ANT	Ave	+++++ 496819	38599 661673	82477 814393	215868	343072	+++++ 120	10.0 160	20.0 200	50.0	80.0
2,4,6-Trichlorophenol	ANT	Ave	+++++ 499531	45002 637883	88039 780583	224760	350899	+++++ 120	10.0 160	20.0 200	50.0	80.0
2,4,5-Trichlorophenol	ANT	Ave	+++++ 562018	49752 722709	101435 880875	252717	402832	+++++ 120	10.0 160	20.0 200	50.0	80.0

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

Lab Name: TestAmerica Denver Job No.: 280-19387-1 Analy Batch No.: 79173
SDG No.:
Instrument ID: MSS_B GC Column: Vf-5MS ID: 0.25(mm) Heated Purge: (Y/N) N
Calibration Start Date: 07/28/2011 15:50 Calibration End Date: 07/28/2011 18:15 Calibration ID: 6605

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2-Chloronaphthalene	ANT	Ave	58850 1471498	148386 1889140	282809 2274629	692738	1070027	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Nitroaniline	ANT	Ave	+++++ 460337	38640 607671	75187 756217	200056	322752	+++++ 120	10.0 160	20.0 200	50.0	80.0
Dimethyl phthalate	ANT	Ave	62954 1642301	163420 2107339	314045 2553478	762149	1165758	4.00 120	10.0 160	20.0 200	50.0	80.0
2,6-Dinitrotoluene	ANT	Ave	+++++ 414499	38028 546767	73884 666554	188045	294361	+++++ 120	10.0 160	20.0 180	50.0	80.0
Acenaphthylene	ANT	Ave	89060 2339500	239430 2960000	460017 3543830	1115419	1697673	4.00 120	10.0 160	20.0 200	50.0	80.0
3-Nitroaniline	ANT	Ave	+++++ 507432	43923 657919	87656 819194	220893	356761	+++++ 120	10.0 160	20.0 200	50.0	80.0
Acenaphthene	ANT	Ave	60105 1477752	152459 1875240	291026 2239562	704876	1082443	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4-Dinitrophenol	ANT	Ave	+++++ 264453	+++++ 362663	29260 463047	99894	169085	+++++ 120	+++++ 160	20.0 200	50.0	80.0
4-Nitrophenol	ANT	Ave	+++++ 281752	21361 377271	46491 467573	120788	197094	+++++ 120	10.0 160	20.0 200	50.0	80.0
2,4-Dinitrotoluene	ANT	Ave	+++++ 554775	47092 725488	96426 886776	243902	391442	+++++ 120	10.0 160	20.0 200	50.0	80.0
Dibenzofuran	ANT	Ave	83885 2077588	215841 2629666	416497 3108449	998092	1513697	4.00 120	10.0 160	20.0 200	50.0	80.0
Diethyl phthalate	ANT	Ave	62239 1656951	162230 2106119	316286 2552533	768942	1189530	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Chlorophenyl phenyl ether	ANT	Ave	+++++ 813905	80560 1041979	157761 1256168	379959	584332	+++++ 120	10.0 160	20.0 200	50.0	80.0
Fluorene	ANT	Ave	69515 1731179	181512 2193133	347415 2626407	829490	1277605	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Nitroaniline	ANT	Ave	+++++ 492273	42975 622842	87257 762156	227444	349254	+++++ 120	10.0 160	20.0 200	50.0	80.0
4,6-Dinitro-2-methylphenol	PHN	Ave	+++++ 330305	+++++ 436345	50115 523740	139399	226384	+++++ 120	+++++ 160	20.0 200	50.0	80.0
N-Nitrosodiphenylamine	PHN	Ave	+++++ 1479743	155259 1864968	291786 2241232	701342	1075501	+++++ 120	10.0 160	20.0 200	50.0	80.0
1,2-Diphenylhydrazine	ANT	Ave	64649 1760480	169403 2266223	329169 2746139	801427	1264614	4.04 121	10.1 162	20.2 202	50.5	80.9
4-Bromophenyl phenyl ether	PHN	Ave	+++++ 492041	47867 633781	92769 776092	225006	352657	+++++ 120	10.0 160	20.0 200	50.0	80.0
Hexachlorobenzene	PHN	Ave	+++++ 515382	51083 672044	97409 820047	239842	371695	+++++ 120	10.0 160	20.0 200	50.0	80.0
Atrazine	PHN	Ave	+++++ 479773	44012 602791	85731 734010	220841	340530	+++++ 120	10.0 160	20.0 200	50.0	80.0

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

Lab Name: TestAmerica Denver Job No.: 280-19387-1 Analy Batch No.: 79173

SDG No.:

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

Calibration Start Date: 07/28/2011 15:50 Calibration End Date: 07/28/2011 18:15 Calibration ID: 6605

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Pentachlorophenol	PHN	Ave	+++++ 369261	+++++ 480063	58532 598306	161946	253048	+++++ 120	+++++ 160	20.0 200	50.0	80.0
Phenanthrene	PHN	Ave	102306 2396742	259854 3019734	496231 3596192	1173721	1777227	4.00 120	10.0 160	20.0 200	50.0	80.0
Anthracene	PHN	Ave	98330 2458782	256566 3077359	500621 3653129	1193680	1812813	4.00 120	10.0 160	20.0 200	50.0	80.0
Carbazole	PHN	Ave	93655 2406672	250765 3025443	490017 3596232	1150102	1760843	4.00 120	10.0 160	20.0 200	50.0	80.0
Di-n-butyl phthalate	PHN	Ave	91434 2788788	261837 3553021	530232 4190312	1298475	2011099	4.00 120	10.0 160	20.0 200	50.0	80.0
Fluoranthene	PHN	Ave	102097 2690872	277852 3269973	540818 3996501	1290042	1964283	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzidine	CRY	Ave	+++++ 1646904	+++++ 2145528	289196 2567742	778630	1191391	+++++ 120	+++++ 160	20.0 200	50.0	80.0
Pyrene	CRY	Ave	109658 2760031	292768 3450995	562127 4114793	1352789	2035359	4.00 120	10.0 160	20.0 200	50.0	80.0
Famphur	CRY	Ave	29525 920670	91845 1091160	194116 1255636	478424	707816	4.00 120	10.0 160	20.0 200	50.0	80.0
Butyl benzyl phthalate	CRY	Ave	42504 1232591	122849 1522004	246316 1794285	599682	910012	4.00 120	10.0 160	20.0 200	50.0	80.0
Bis(2-ethylhexyl) phthalate	CRY	Lin2	39291 1824796	137962 2340855	298962 2818710	813655	1285162	4.00 120	10.0 160	20.0 200	50.0	80.0
3,3'-Dichlorobenzidine	CRY	Ave	+++++ 1048191	91387 1329195	184433 1604125	481254	763024	+++++ 120	10.0 160	20.0 200	50.0	80.0
Benzo[a]anthracene	CRY	Ave	105734 2749964	279486 3477074	536798 4174950	1301757	1988041	4.00 120	10.0 160	20.0 200	50.0	80.0
Chrysene	CRY	Ave	111024 2652851	284105 3351963	550621 3990597	1289681	1989400	4.00 120	10.0 160	20.0 200	50.0	80.0
Di-n-octyl phthalate	CRY	Lin2	54148 3153708	205231 4077813	474413 4947528	1368168	2218166	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[b]fluoranthene	PRY	Ave	87639 2697825	240176 3493605	511159 4834283	1399137	2128847	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[k]fluoranthene	PRY	Ave	116291 3238925	317005 4141969	587613 4393061	1357065	2143322	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[a]pyrene	PRY	Ave	82569 2758599	250114 3599640	503066 4360266	1244028	1970541	4.00 120	10.0 160	20.0 200	50.0	80.0
Dibenz(a,h)anthracene	PRY	Ave	73793 2599305	220919 3366817	448758 4138210	1151000	1834094	4.00 120	10.0 160	20.0 200	50.0	80.0
Indeno[1,2,3-cd]pyrene	CRY	Ave	96090 3184606	273395 4146439	550497 5128501	1402446	2237875	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[g,h,i]perylene	PRY	Ave	82374 2845740	236829 3752239	478926 4664450	1222911	1994801	4.00 120	10.0 160	20.0 200	50.0	80.0

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

Lab Name: TestAmerica Denver Job No.: 280-19387-1 Analy Batch No.: 79173

SDG No.:

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

Calibration Start Date: 07/28/2011 15:50 Calibration End Date: 07/28/2011 18:15 Calibration ID: 6605

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2-Fluorophenol (Surr)	DCB	Ave	+++++ 1292422	120132 1673688	231327 2037736	577138	903478	+++++ 180	15.0 240	30.0 300	75.0	120
Phenol-d5 (Surr)	DCB	Ave	+++++ 1558980	149295 2021727	288449 2479283	719792	1114008	+++++ 180	15.0 240	30.0 300	75.0	120
Nitrobenzene-d5 (Surr)	NPT	Ave	+++++ 913472	79135 1207081	159071 1498936	405737	645095	+++++ 120	10.0 160	20.0 200	50.0	80.0
2-Fluorobiphenyl	ANT	Ave	+++++ 1675230	170413 2150937	328323 2564700	778491	1196777	+++++ 120	10.0 160	20.0 200	50.0	80.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	11652 408275	34683 537739	70451 664034	179711	288821	6.00 180	15.0 240	30.0 300	75.0	120
Terphenyl-d14 (Surr)	CRY	Ave	+++++ 1879293	191228 2352268	367410 2848641	889079	1360751	+++++ 120	10.0 160	20.0 200	50.0	80.0

Curve Type Legend:

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

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\B.i\072811b.b\B6077.D
Lab Smp Id: ICIS-840620 Client Smp ID: MS-HSL080_00011
Inj Date : 28-JUL-2011 15:50
Operator : KIEKELD Inst ID: B.i
Smp Info : ICIS-840620,,MS-HSL080_00011
Misc Info :
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\B.i\072811b.b\8270C.m
Meth Date : 01-Aug-2011 07:38 B.i Quant Type: ISTD
Cal Date : 28-JUL-2011 18:15 Cal File: B6084.D
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC307

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.976	4.976	(1.000)	212596	40.0000	
* 58 Naphthalene-d8	136	6.222	6.222	(1.000)	859106	40.0000	
* 96 Acenaphthene-d10	164	7.943	7.943	(1.000)	489205	40.0000	
* 135 Phenanthrene-d10	188	9.212	9.212	(1.000)	816768	40.0000	
* 166 Chrysene-d12	240	11.351	11.351	(1.000)	890487	40.0000	
* 179 Perylene-d12	264	12.696	12.696	(1.000)	880268	40.0000	
$ 22 2-Chlorophenol-d4	132	4.759	4.759	(0.956)	863446	120.000	121.385
$ 29 1,2-Dichlorobenzene-d4	152	5.129	5.129	(1.031)	420174	80.0000	80.5939
$ 8 2-Fluorophenol	112	3.748	3.748	(0.753)	903478	120.000	121.038
$ 15 Phenol-d5	99	4.582	4.582	(0.921)	1114008	120.000	121.397
$ 43 Nitrobenzene-d5	82	5.511	5.511	(0.886)	645095	80.0000	81.6440
$ 81 2-Fluorobiphenyl	172	7.279	7.279	(0.916)	1196777	80.0000	79.6209
$ 118 2,4,6-Tribromophenol	330	8.637	8.637	(1.087)	288821	120.000	126.047
$ 154 Terphenyl-d14	244	10.440	10.440	(0.920)	1360751	80.0000	81.1274
4 1,4-Dioxane	88	2.326	2.326	(0.468)	259794	80.0000	78.8002
5 N-Nitrosodimethylamine	74	2.585	2.585	(0.519)	390557	80.0000	80.5823
6 Pyridine	79	2.626	2.626	(0.528)	703833	80.0000	80.6102
16 Phenol	94	4.594	4.594	(0.923)	778460	80.0000	81.2810
18 Aniline	93	4.665	4.665	(0.937)	950182	80.0000	80.5489
19 Methyl Styrene	118	4.694	4.694	(0.943)	624002	80.0000	80.6991
20 Bis(2-chloroethyl) ether	93	4.700	4.700	(0.945)	556808	80.0000	81.1833
21 Decane	43	4.759	4.759	(0.956)	460830	80.0000	79.1570

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
23 2-Chlorophenol	128	4.776	4.776	(0.960)	633562	80.0000	81.0588
25 1,3-Dichlorobenzene	146	4.923	4.923	(0.989)	697308	80.0000	79.1632
27 1,4-Dichlorobenzene	146	4.994	4.994	(1.004)	707113	80.0000	79.9005
28 Benzyl alcohol	108	5.088	5.088	(1.022)	420725	80.0000	82.2302
30 1,2-Dichlorobenzene	146	5.141	5.141	(1.033)	662178	80.0000	80.5528
32 2-Methylphenol	108	5.176	5.176	(1.040)	598181	80.0000	81.2576
34 2,2'-oxybis(1-chloropropane)	45	5.199	5.199	(1.045)	697412	80.0000	80.1732
35 1H-Indene	116	5.223	5.223	(1.050)	948708	80.0000	80.6030
138 3-Methylphenol	108	5.323	5.323	(1.070)	619990	80.0000	80.8804
36 4-Methylphenol	108	5.323	5.323	(1.070)	619990	80.0000	80.8804
139 3 & 4-Methylphenol	108	5.323	5.323	(1.070)	619990	80.0000	80.8804
37 N-nitrosodi-n-propylamine	70	5.335	5.335	(1.072)	424274	80.0000	81.1436
38 Acetophenone	105	5.352	5.352	(1.076)	826768	80.0000	81.1351
41 Hexachloroethane	117	5.464	5.464	(1.098)	274397	80.0000	81.1484
44 Nitrobenzene	77	5.528	5.528	(0.889)	624231	80.0000	80.6653
47 Isophorone	82	5.740	5.740	(0.923)	1100995	80.0000	81.2075
50 2,4-Dimethylphenol	107	5.840	5.840	(0.939)	582426	80.0000	80.9306
49 2-Nitrophenol	139	5.840	5.840	(0.939)	312877	80.0000	82.3270
53 Benzoic acid	122	5.910	5.910	(0.950)	358595	80.0000	83.3356
52 Bis(2-chloroethoxy)methane	93	5.940	5.940	(0.955)	702421	80.0000	81.3960
54 2,4-Dichlorophenol	162	6.063	6.063	(0.975)	516536	80.0000	81.8488
56 n-Dodecane	43	6.134	6.134	(0.772)	485963	80.0000	80.9262
57 1,2,4-Trichlorobenzene	180	6.151	6.151	(0.989)	566768	80.0000	78.7487
59 Naphthalene	128	6.239	6.239	(1.003)	1739619	80.0000	78.4716
60 4-Chloroaniline	127	6.286	6.286	(1.010)	773679	80.0000	80.9232
62 Hexachlorobutadiene	225	6.333	6.333	(1.018)	307803	80.0000	80.3988
67 Caprolactam	55	6.633	6.633	(1.066)	200656	80.0000	75.4864
68 4-Chloro-3-methylphenol	107	6.739	6.739	(1.083)	534524	80.0000	81.1594
71 2-Methylnaphthalene	142	6.921	6.921	(1.112)	1206849	80.0000	79.5984
72 1-Methylnaphthalene	142	7.027	7.027	(1.129)	1162808	80.0000	79.4512
74 Hexachlorocyclopentadiene	237	7.068	7.068	(0.890)	343072	80.0000	82.2027
78 2,4,6-Trichlorophenol	196	7.203	7.203	(0.907)	350899	80.0000	81.5478
79 2,3-Dichlorobenzeneamine	161	7.215	7.215	(0.908)	610414	80.0000	82.1588
80 2,4,5-Trichlorophenol	196	7.238	7.238	(0.911)	402832	80.0000	82.7782
83 Tetradecane	43	7.303	7.303	(0.919)	478578	80.0000	81.2002
86 2-Chloronaphthalene	162	7.420	7.420	(0.934)	1070027	80.0000	79.5502
88 2-Nitroaniline	65	7.520	7.520	(0.947)	322752	80.0000	82.6649
91 Dimethyl phthalate	163	7.661	7.661	(0.964)	1165758	80.0000	78.6417
93 2,6-Dinitrotoluene	165	7.738	7.738	(0.974)	294361	80.0000	80.0117
94 Acenaphthylene	152	7.820	7.820	(0.984)	1697673	80.0000	79.6978
95 3-Nitroaniline	138	7.908	7.908	(0.996)	356761	80.0000	82.2122
97 Acenaphthene	153	7.973	7.973	(1.004)	1082443	80.0000	79.4844
98 2,4-Dinitrophenol	184	7.996	7.996	(1.007)	169085	80.0000	81.2704
99 4-Nitrophenol	109	8.026	8.026	(1.010)	197094	80.0000	83.4096
101 2,4-Dinitrotoluene	165	8.108	8.108	(1.021)	391442	80.0000	82.5133
102 Dibenzofuran	168	8.125	8.125	(1.023)	1513697	80.0000	78.9756
105 Hexadecane	57	8.255	8.255	(1.039)	626903	80.0000	80.4585
107 Diethyl phthalate	149	8.284	8.284	(1.043)	1189530	80.0000	80.0040
109 4-Chlorophenyl phenyl ether	204	8.407	8.407	(1.058)	584332	80.0000	80.3485
110 Fluorene	166	8.425	8.425	(1.061)	1277605	80.0000	79.7208
112 4-Nitroaniline	138	8.454	8.454	(1.064)	349254	80.0000	82.4235
113 4,6-Dinitro-2-methylphenol	198	8.460	8.460	(0.918)	226384	80.0000	83.1057
115 N-nitrosodiphenylamine	169	8.513	8.513	(0.924)	1075501	80.0000	80.9701
116 Azobenzene	77	8.543	8.543	(1.075)	1264614	80.0000	80.6773

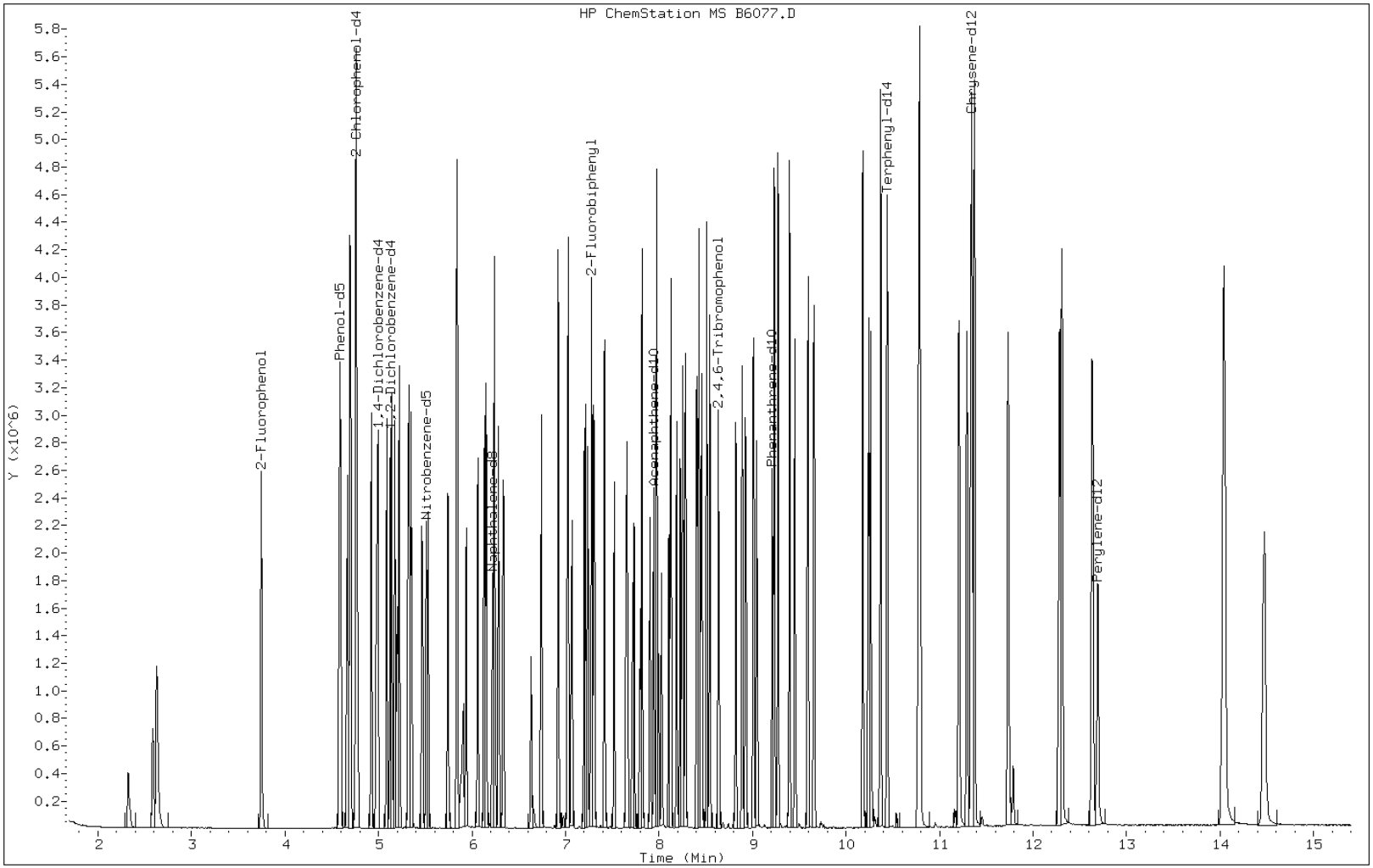
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
234 1,2-DPH(as Azobenzene)	77	8.543	8.543	(1.075)	1264614	80.8780	81.5627
242 2,4,6 - Tribromophenol	330	8.637	8.637	(1.087)	288821	120.000	126.047
124 4-Bromophenyl phenyl ether	248	8.825	8.825	(0.958)	352657	80.0000	81.3426
125 Hexachlorobenzene	284	8.889	8.889	(0.965)	371695	80.0000	81.0747
127 Atrazine	200	8.930	8.930	(0.969)	340530	80.0000	82.5591
128 n-Octadecane	85	9.013	9.013	(0.978)	304357	80.0000	80.8088
129 Pentachlorophenol	266	9.048	9.048	(0.982)	253048	80.0000	81.9152
136 Phenanthrene	178	9.236	9.236	(1.003)	1777227	80.0000	79.1666
137 Anthracene	178	9.271	9.271	(1.006)	1812813	80.0000	80.3421
140 Carbazole	167	9.394	9.394	(1.020)	1760843	80.0000	80.2027
141 Alachlor	188	9.453	9.453	(1.026)	248741	80.0000	83.6049
143 Di-n-butyl phthalate	149	9.594	9.594	(1.041)	2011099	80.0000	82.9955
144 n-Eicosane	43	9.659	9.659	(1.216)	453728	80.0000	80.8909
149 Fluoranthene	202	10.182	10.182	(1.105)	1964283	80.0000	80.8740
150 n-docosane	43	10.241	10.241	(1.289)	446976	80.0000	82.2692
151 Benzidine	184	10.264	10.264	(0.904)	1191391	80.0000	82.6507
152 Pyrene	202	10.370	10.370	(0.914)	2035359	80.0000	80.5379
158 Famphur	218	10.769	10.769	(0.949)	707816	80.0000	86.6275
159 Butyl benzyl phthalate	149	10.793	10.793	(0.951)	910012	80.0000	83.3740
162 Bis(2-ethylhexyl) phthalate	149	11.210	11.210	(0.988)	1285162	80.0000	82.3660
164 3 3'-Dichlorobenzidine	252	11.292	11.292	(0.995)	763024	80.0000	84.7472
165 Benzo(a)anthracene	228	11.339	11.339	(0.999)	1988041	80.0000	80.4959
167 Chrysene	228	11.375	11.375	(1.002)	1989400	80.0000	80.7582
168 Di-n-octyl phthalate	149	11.733	11.733	(1.034)	2218166	80.0000	83.3481
171 Benzo(b)fluoranthene	252	12.285	12.285	(0.968)	2128847	80.0000	86.6599
172 Benzo(k)fluoranthene	252	12.309	12.309	(0.969)	2143322	80.0000	77.4753
178 Benzo(a)pyrene	252	12.638	12.638	(0.995)	1970541	80.0000	83.1912
185 Dibenz(a,h)anthracene	278	14.042	14.042	(1.106)	1834094	80.0000	84.3079
186 Indeno(1,2,3-cd)pyrene	276	14.048	14.048	(1.238)	2237875	80.0000	83.7388
188 Benzo(g,h,i)perylene	276	14.477	14.477	(1.140)	1994801	80.0000	83.9924

Data File: B6077.D

Date: 28-JUL-2011 15:50

Client ID: MS-HSL080_00011 Instrument: B.i

Sample Info: ICIS-840620,,MS-HSL080_00011 Operator: KIEKELD



TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\B.i\072811b.b\B6078.D
Lab Smp Id: STD004-840614 Client Smp ID: MS-HSL004_00011
Inj Date : 28-JUL-2011 16:11
Operator : KIEKELD Inst ID: B.i
Smp Info : STD004-840614,,MS-HSL004_00011
Misc Info :
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\B.i\072811b.b\8270C.m
Meth Date : 01-Aug-2011 07:38 B.i Quant Type: ISTD
Cal Date : 28-JUL-2011 15:50 Cal File: B6077.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC307

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.975	4.975	(1.000)	210568	40.0000	
* 58 Naphthalene-d8	136	6.220	6.220	(1.000)	834873	40.0000	
* 96 Acenaphthene-d10	164	7.942	7.942	(1.000)	477237	40.0000	
* 135 Phenanthrene-d10	188	9.211	9.211	(1.000)	804631	40.0000	
* 166 Chrysene-d12	240	11.344	11.344	(1.000)	919493	40.0000	
* 179 Perylene-d12	264	12.683	12.683	(1.000)	844445	40.0000	
$ 22 2-Chlorophenol-d4	132	4.757	4.757	(0.956)	48254	6.00000	6.84899(a)
$ 29 1,2-Dichlorobenzene-d4	152	5.127	5.127	(1.031)	22874	4.00000	4.42974(a)
$ 8 2-Fluorophenol	112	3.747	3.747	(0.753)	45133	6.00000	6.10465(a)
$ 15 Phenol-d5	99	4.575	4.575	(0.920)	55779	6.00000	6.13697(a)
$ 43 Nitrobenzene-d5	82	5.509	5.509	(0.886)	30311	4.00000	3.94755(a)
$ 81 2-Fluorobiphenyl	172	7.278	7.278	(0.916)	66453	4.00000	4.53195(a)
$ 118 2,4,6-Tribromophenol	330	8.635	8.635	(1.087)	11652	6.00000	5.21268(a)
$ 154 Terphenyl-d14	244	10.439	10.439	(0.920)	72880	4.00000	4.20801(a)
4 1,4-Dioxane	88	2.325	2.325	(0.467)	14424	4.00000	4.41720
5 N-Nitrosodimethylamine	74	2.583	2.583	(0.519)	19483	4.00000	4.05858(a)
6 Pyridine	79	2.630	2.630	(0.529)	33627	4.00000	3.88840(a)
16 Phenol	94	4.593	4.593	(0.923)	41671	4.00000	4.39288(a)
18 Aniline	93	4.663	4.663	(0.937)	47612	4.00000	4.07504(a)
20 Bis(2-chloroethyl) ether	93	4.698	4.698	(0.944)	28988	4.00000	4.26719(a)
21 Decane	43	4.757	4.757	(0.956)	26975	4.00000	4.67813(a)
23 2-Chlorophenol	128	4.769	4.769	(0.959)	33594	4.00000	4.33946(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
25 1,3-Dichlorobenzene	146	4.922	4.922	(0.989)	37789	4.00000	4.33138
27 1,4-Dichlorobenzene	146	4.992	4.992	(1.004)	38503	4.00000	4.39256
28 Benzyl alcohol	108	5.086	5.086	(1.022)	18870	4.00000	3.72364(a)
30 1,2-Dichlorobenzene	146	5.139	5.139	(1.033)	34713	4.00000	4.26344
32 2-Methylphenol	108	5.169	5.169	(1.039)	30242	4.00000	4.14767(a)
34 2,2'-oxybis(1-chloropropane)	45	5.198	5.198	(1.045)	35808	4.00000	4.15607(a)
35 1H-Indene	116	5.221	5.221	(1.050)	48479	4.00000	4.15848(a)
138 3-Methylphenol	108	5.315	5.315	(1.068)	30548	4.00000	4.02350(a)
36 4-Methylphenol	108	5.315	5.315	(1.068)	30548	4.00000	4.02350(a)
139 3 & 4-Methylphenol	108	5.315	5.315	(1.068)	30548	4.00000	4.02350(a)
37 N-nitrosodi-n-propylamine	70	5.327	5.327	(1.071)	19816	4.00000	3.82637(a)
38 Acetophenone	105	5.351	5.351	(1.076)	42362	4.00000	4.19724(a)
41 Hexachloroethane	117	5.462	5.462	(1.098)	13875	4.00000	4.14282(a)
44 Nitrobenzene	77	5.527	5.527	(0.889)	31325	4.00000	4.16542(a)
47 Isophorone	82	5.738	5.738	(0.923)	51549	4.00000	3.91253(a)
50 2,4-Dimethylphenol	107	5.838	5.838	(0.939)	30690	4.00000	4.38829(a)
49 2-Nitrophenol	139	5.838	5.838	(0.939)	13624	4.00000	3.68892(a)
52 Bis(2-chloroethoxy)methane	93	5.938	5.938	(0.955)	36190	4.00000	4.31539(a)
54 2,4-Dichlorophenol	162	6.062	6.062	(0.974)	24205	4.00000	3.94678(a)
56 n-Dodecane	43	6.132	6.132	(0.772)	24278	4.00000	4.14434(a)
57 1,2,4-Trichlorobenzene	180	6.150	6.150	(0.989)	31170	4.00000	4.45657
59 Naphthalene	128	6.238	6.238	(1.003)	96929	4.00000	4.49923
60 4-Chloroaniline	127	6.285	6.285	(1.010)	39669	4.00000	4.26962(a)
62 Hexachlorobutadiene	225	6.338	6.338	(1.019)	16625	4.00000	4.46853(a)
68 4-Chloro-3-methylphenol	107	6.737	6.737	(1.083)	23883	4.00000	3.73153(a)
71 2-Methylnaphthalene	142	6.919	6.919	(1.112)	65585	4.00000	4.45125
72 1-Methylnaphthalene	142	7.025	7.025	(1.129)	62372	4.00000	4.38539
74 Hexachlorocyclopentadiene	237	7.066	7.066	(0.890)	13636	4.00000	3.34923(a)
78 2,4,6-Trichlorophenol	196	7.201	7.201	(0.907)	15807	4.00000	3.76562(a)
79 2,3-Dichlorobenzeneamine	161	7.213	7.213	(0.908)	32822	4.00000	4.52847(a)
80 2,4,5-Trichlorophenol	196	7.231	7.231	(0.910)	17977	4.00000	3.78674(a)
83 Tetradecane	43	7.301	7.301	(0.919)	23643	4.00000	4.11210(a)
86 2-Chloronaphthalene	162	7.419	7.419	(0.934)	58850	4.00000	4.48487
88 2-Nitroaniline	65	7.519	7.519	(0.947)	12007	4.00000	3.15242(a)
91 Dimethyl phthalate	163	7.654	7.654	(0.964)	62954	4.00000	4.35336
93 2,6-Dinitrotoluene	165	7.730	7.730	(0.973)	12905	4.00000	3.59574(a)
94 Acenaphthylene	152	7.818	7.818	(0.984)	89060	4.00000	4.28580
95 3-Nitroaniline	138	7.901	7.901	(0.995)	15132	4.00000	3.57447(a)
97 Acenaphthene	153	7.971	7.971	(1.004)	60105	4.00000	4.52422
99 4-Nitrophenol	109	8.018	8.018	(1.010)	6667	4.00000	2.89221(a)
101 2,4-Dinitrotoluene	165	8.100	8.100	(1.020)	15014	4.00000	3.24422(a)
102 Dibenzofuran	168	8.124	8.124	(1.023)	83885	4.00000	4.48637
105 Hexadecane	57	8.247	8.247	(1.038)	31206	4.00000	4.10550(a)
107 Diethyl phthalate	149	8.277	8.277	(1.042)	62239	4.00000	4.29098
109 4-Chlorophenyl phenyl ether	204	8.406	8.406	(1.058)	31623	4.00000	4.45736(a)
110 Fluorene	166	8.424	8.424	(1.061)	69515	4.00000	4.44642
112 4-Nitroaniline	138	8.441	8.441	(1.063)	14456	4.00000	3.49715(a)
115 N-nitrosodiphenylamine	169	8.506	8.506	(0.923)	56987	4.00000	4.35503(a)
116 Azobenzene	77	8.541	8.541	(1.075)	64649	4.00000	4.22778
234 1,2-DPH(as Azobenzene)	77	8.541	8.541	(1.075)	64649	4.04390	4.27418
242 2,4,6 - Tribromophenol	330	8.635	8.635	(1.087)	11652	6.00000	5.21268(a)
124 4-Bromophenyl phenyl ether	248	8.823	8.823	(0.958)	18064	4.00000	4.22943(a)
125 Hexachlorobenzene	284	8.888	8.888	(0.965)	19620	4.00000	4.34410(a)
127 Atrazine	200	8.923	8.923	(0.969)	15013	4.00000	3.69470(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
128 n-Octadecane	85	9.011	9.011	(0.978)	15033	4.00000	4.05157(a)
136 Phenanthrene	178	9.228	9.228	(1.002)	102306	4.00000	4.62596
137 Anthracene	178	9.270	9.270	(1.006)	98330	4.00000	4.42362
140 Carbazole	167	9.393	9.393	(1.020)	93655	4.00000	4.33013
141 Alachlor	188	9.452	9.452	(1.026)	10119	4.00000	3.45242(a)
143 Di-n-butyl phthalate	149	9.593	9.593	(1.041)	91434	4.00000	3.83028(a)
144 n-Eicosane	43	9.657	9.657	(1.216)	21287	4.00000	3.89023(a)
149 Fluoranthene	202	10.180	10.180	(1.105)	102097	4.00000	4.26697
150 n-docosane	43	10.239	10.239	(1.289)	18685	4.00000	3.52536(a)
152 Pyrene	202	10.368	10.368	(0.914)	109658	4.00000	4.20222
158 Famphur	218	10.768	10.768	(0.949)	29525	4.00000	3.49949(a)
159 Butyl benzyl phthalate	149	10.791	10.791	(0.951)	42504	4.00000	3.77131(a)
162 Bis(2-ethylhexyl) phthalate	149	11.209	11.209	(0.988)	39291	4.00000	4.03110(a)
164 3 3'-Dichlorobenzidine	252	11.285	11.285	(0.995)	27414	4.00000	2.94876(a)
165 Benzo(a)anthracene	228	11.332	11.332	(0.999)	105734	4.00000	4.14612
167 Chrysene	228	11.367	11.367	(1.002)	111024	4.00000	4.36476
168 Di-n-octyl phthalate	149	11.726	11.726	(1.034)	54148	4.00000	4.13975(Q)
171 Benzo(b)fluoranthene	252	12.272	12.272	(0.968)	87639	4.00000	3.71890(aH)
172 Benzo(k)fluoranthene	252	12.295	12.295	(0.969)	116291	4.00000	4.38193
178 Benzo(a)pyrene	252	12.624	12.624	(0.995)	82569	4.00000	3.63373(a)
185 Dibenz(a,h)anthracene	278	14.023	14.023	(1.106)	73793	4.00000	3.53594(a)
186 Indeno(1,2,3-cd)pyrene	276	14.029	14.029	(1.237)	96090	4.00000	3.48216(a)
188 Benzo(g,h,i)perylene	276	14.452	14.452	(1.139)	82374	4.00000	3.61555(a)

QC Flag Legend

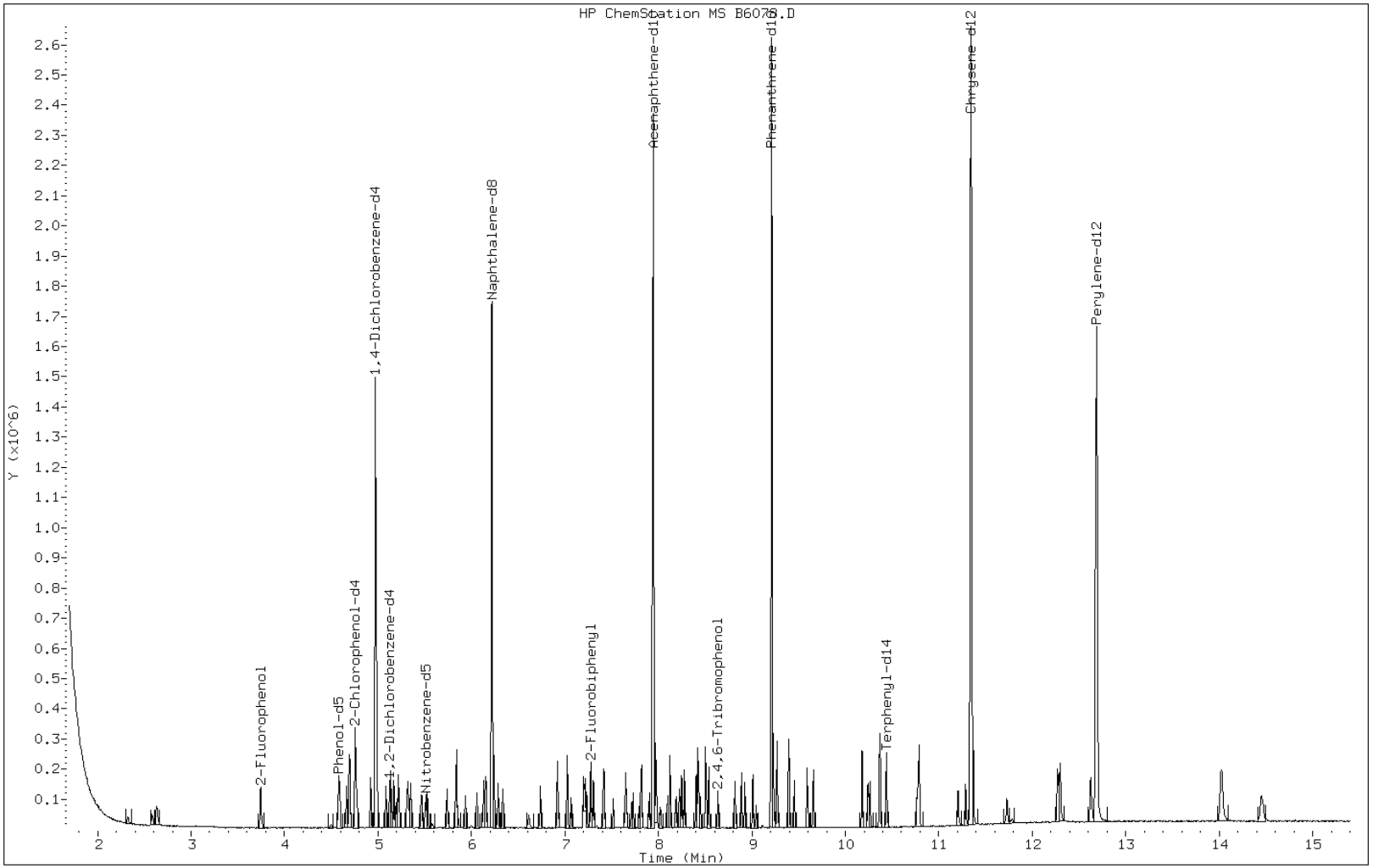
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: B6078.D

Date: 28-JUL-2011 16:11

Client ID: MS-HSL004_00011 Instrument: B.i

Sample Info: STD004-840614,,MS-HSL004_00011 Operator: KIEKELD



TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\B.i\072811b.b\B6079.D
Lab Smp Id: STD010-840615 Client Smp ID: MS-HSL010_00011
Inj Date : 28-JUL-2011 16:31
Operator : KIEKELD Inst ID: B.i
Smp Info : STD010-840615,,MS-HSL010_00011
Misc Info :
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\B.i\072811b.b\8270C.m
Meth Date : 01-Aug-2011 07:38 B.i Quant Type: ISTD
Cal Date : 28-JUL-2011 16:11 Cal File: B6078.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC307

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.977	4.977	(1.000)	213091	40.0000	
* 58 Naphthalene-d8	136	6.217	6.217	(1.000)	858939	40.0000	
* 96 Acenaphthene-d10	164	7.944	7.944	(1.000)	487246	40.0000	
* 135 Phenanthrene-d10	188	9.213	9.213	(1.000)	837094	40.0000	
* 166 Chrysene-d12	240	11.328	11.328	(1.000)	947984	40.0000	
* 179 Perylene-d12	264	12.668	12.668	(1.000)	884458	40.0000	
$ 22 2-Chlorophenol-d4	132	4.754	4.754	(0.955)	125973	15.0000	17.6684
$ 29 1,2-Dichlorobenzene-d4	152	5.124	5.124	(1.030)	57928	10.0000	11.0854
$ 8 2-Fluorophenol	112	3.743	3.743	(0.752)	120132	15.0000	16.0566
$ 15 Phenol-d5	99	4.578	4.578	(0.920)	149295	15.0000	16.2314
$ 43 Nitrobenzene-d5	82	5.512	5.512	(0.887)	79135	10.0000	10.0174
$ 81 2-Fluorobiphenyl	172	7.274	7.274	(0.916)	170413	10.0000	11.3831
$ 118 2,4,6-Tribromophenol	330	8.637	8.637	(1.087)	34683	15.0000	15.1972
$ 154 Terphenyl-d14	244	10.429	10.429	(0.921)	191228	10.0000	10.7094
4 1,4-Dioxane	88	2.321	2.321	(0.466)	34619	10.0000	10.4762
5 N-Nitrosodimethylamine	74	2.586	2.586	(0.520)	48864	10.0000	10.0585
6 Pyridine	79	2.627	2.627	(0.528)	88528	10.0000	10.1156
16 Phenol	94	4.589	4.589	(0.922)	104961	10.0000	10.9338
18 Aniline	93	4.660	4.660	(0.936)	125859	10.0000	10.6445
19 Methyl Styrene	118	4.695	4.695	(0.943)	86542	10.0000	11.1660
20 Bis(2-chloroethyl) ether	93	4.701	4.701	(0.945)	78467	10.0000	11.4140
21 Decane	43	4.754	4.754	(0.955)	68696	10.0000	11.7725

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
23 2-Chlorophenol	128	4.771	4.771	(0.959)	86394	10.0000	11.0277
25 1,3-Dichlorobenzene	146	4.924	4.924	(0.989)	98228	10.0000	11.1256
27 1,4-Dichlorobenzene	146	4.989	4.989	(1.002)	97051	10.0000	10.9408
28 Benzyl alcohol	108	5.083	5.083	(1.021)	51970	10.0000	10.1339
30 1,2-Dichlorobenzene	146	5.142	5.142	(1.033)	91473	10.0000	11.1017
32 2-Methylphenol	108	5.171	5.171	(1.039)	78048	10.0000	10.5775
34 2,2'-oxybis(1-chloropropane)	45	5.200	5.200	(1.045)	94554	10.0000	10.8445
35 1H-Indene	116	5.224	5.224	(1.050)	131691	10.0000	11.1626
138 3-Methylphenol	108	5.318	5.318	(1.068)	82389	10.0000	10.7230
36 4-Methylphenol	108	5.318	5.318	(1.068)	82389	10.0000	10.7230
139 3 & 4-Methylphenol	108	5.318	5.318	(1.068)	82389	10.0000	10.7230
37 N-nitrosodi-n-propylamine	70	5.330	5.330	(1.071)	54045	10.0000	10.3122
38 Acetophenone	105	5.347	5.347	(1.074)	109848	10.0000	10.7549
41 Hexachloroethane	117	5.465	5.465	(1.098)	35423	10.0000	10.4514
44 Nitrobenzene	77	5.529	5.529	(0.889)	81649	10.0000	10.5530
47 Isophorone	82	5.741	5.741	(0.923)	140937	10.0000	10.3973
50 2,4-Dimethylphenol	107	5.841	5.841	(0.940)	80202	10.0000	11.1466
49 2-Nitrophenol	139	5.835	5.835	(0.939)	37746	10.0000	9.93400(a)
52 Bis(2-chloroethoxy)methane	93	5.935	5.935	(0.955)	92692	10.0000	10.7432
54 2,4-Dichlorophenol	162	6.058	6.058	(0.974)	65506	10.0000	10.3819
56 n-Dodecane	43	6.129	6.129	(0.771)	63261	10.0000	10.5770
57 1,2,4-Trichlorobenzene	180	6.152	6.152	(0.990)	79500	10.0000	11.0482
59 Naphthalene	128	6.240	6.240	(1.004)	247525	10.0000	11.1676
60 4-Chloroaniline	127	6.281	6.281	(1.010)	102446	10.0000	10.7174
62 Hexachlorobutadiene	225	6.334	6.334	(1.019)	42074	10.0000	10.9920
67 Caprolactam	55	6.610	6.610	(1.063)	23985	10.0000	9.02487(a)
68 4-Chloro-3-methylphenol	107	6.734	6.734	(1.083)	67982	10.0000	10.3240
71 2-Methylnaphthalene	142	6.922	6.922	(1.113)	167624	10.0000	11.0579
72 1-Methylnaphthalene	142	7.028	7.028	(1.130)	163742	10.0000	11.1902
74 Hexachlorocyclopentadiene	237	7.069	7.069	(0.890)	38599	10.0000	9.28580(a)
78 2,4,6-Trichlorophenol	196	7.198	7.198	(0.906)	45002	10.0000	10.5004
79 2,3-Dichlorobenzeneamine	161	7.210	7.210	(0.908)	80856	10.0000	10.9266
80 2,4,5-Trichlorophenol	196	7.233	7.233	(0.911)	49752	10.0000	10.2647
83 Tetradecane	43	7.304	7.304	(0.919)	63587	10.0000	10.8322
86 2-Chloronaphthalene	162	7.415	7.415	(0.933)	148386	10.0000	11.0760
88 2-Nitroaniline	65	7.515	7.515	(0.946)	38640	10.0000	9.93647(a)
91 Dimethyl phthalate	163	7.656	7.656	(0.964)	163420	10.0000	11.0686
93 2,6-Dinitrotoluene	165	7.733	7.733	(0.973)	38028	10.0000	10.3781
94 Acenaphthylene	152	7.815	7.815	(0.984)	239430	10.0000	11.2853
95 3-Nitroaniline	138	7.903	7.903	(0.995)	43923	10.0000	10.1623
97 Acenaphthene	153	7.974	7.974	(1.004)	152459	10.0000	11.2402
99 4-Nitrophenol	109	8.021	8.021	(1.010)	21361	10.0000	9.07626(a)
101 2,4-Dinitrotoluene	165	8.103	8.103	(1.020)	47092	10.0000	9.96658(a)
102 Dibenzofuran	168	8.126	8.126	(1.023)	215841	10.0000	11.3066
105 Hexadecane	57	8.250	8.250	(1.038)	85432	10.0000	11.0087
107 Diethyl phthalate	149	8.279	8.279	(1.042)	162230	10.0000	10.9549
109 4-Chlorophenyl phenyl ether	204	8.402	8.402	(1.058)	80560	10.0000	11.1219
110 Fluorene	166	8.426	8.426	(1.061)	181512	10.0000	11.3716
112 4-Nitroaniline	138	8.444	8.444	(1.063)	42975	10.0000	10.1828
113 4,6-Dinitro-2-methylphenol	198	8.455	8.455	(0.918)	21387	10.0000	7.66054(a)
115 N-nitrosodiphenylamine	169	8.508	8.508	(0.923)	155259	10.0000	11.4050
116 Azobenzene	77	8.538	8.538	(1.075)	169403	10.0000	10.8507
234 1,2-DPH(as Azobenzene)	77	8.538	8.538	(1.075)	169403	10.1098	10.9698
242 2,4,6 - Tribromophenol	330	8.637	8.637	(1.087)	34683	15.0000	15.1972

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
124 4-Bromophenyl phenyl ether	248	8.820	8.820	(0.957)	47867	10.0000	10.7727
125 Hexachlorobenzene	284	8.890	8.890	(0.965)	51083	10.0000	10.8718
127 Atrazine	200	8.925	8.925	(0.969)	44012	10.0000	10.4113
128 n-Octadecane	85	9.008	9.008	(0.978)	40426	10.0000	10.4727
129 Pentachlorophenol	266	9.043	9.043	(0.982)	25852	10.0000	8.16545(a)
136 Phenanthrene	178	9.231	9.231	(1.002)	259854	10.0000	11.2941
137 Anthracene	178	9.272	9.272	(1.006)	256566	10.0000	11.0946
140 Carbazole	167	9.395	9.395	(1.020)	250765	10.0000	11.1445
141 Alachlor	188	9.454	9.454	(1.026)	30993	10.0000	10.1642
143 Di-n-butyl phthalate	149	9.589	9.589	(1.041)	261837	10.0000	10.5433
144 n-Eicosane	43	9.654	9.654	(1.215)	59027	10.0000	10.5657
149 Fluoranthene	202	10.171	10.171	(1.104)	277852	10.0000	11.1620
150 n-docosane	43	10.236	10.236	(1.288)	56461	10.0000	10.4338
152 Pyrene	202	10.359	10.359	(0.914)	292768	10.0000	10.8820
158 Famphur	218	10.759	10.759	(0.950)	91845	10.0000	10.5589
159 Butyl benzyl phthalate	149	10.776	10.776	(0.951)	122849	10.0000	10.5726
162 Bis(2-ethylhexyl) phthalate	149	11.187	11.187	(0.988)	137962	10.0000	9.78119
164 3 3'-Dichlorobenzidine	252	11.270	11.270	(0.995)	91387	10.0000	9.53451(a)
165 Benzo(a)anthracene	228	11.317	11.317	(0.999)	279486	10.0000	10.6300(H)
167 Chrysene	228	11.352	11.352	(1.002)	284105	10.0000	10.8335
168 Di-n-octyl phthalate	149	11.704	11.704	(1.033)	205231	10.0000	9.27261
171 Benzo(b)fluoranthene	252	12.251	12.251	(0.967)	240176	10.0000	9.73064(H)
172 Benzo(k)fluoranthene	252	12.280	12.280	(0.969)	317005	10.0000	11.4046
178 Benzo(a)pyrene	252	12.603	12.603	(0.995)	250114	10.0000	10.5092
185 Dibenz(a,h)anthracene	278	14.002	14.002	(1.105)	220919	10.0000	10.1069
186 Indeno(1,2,3-cd)pyrene	276	14.002	14.002	(1.236)	273395	10.0000	9.60966
188 Benzo(g,h,i)perylene	276	14.431	14.431	(1.139)	236829	10.0000	9.92460

QC Flag Legend

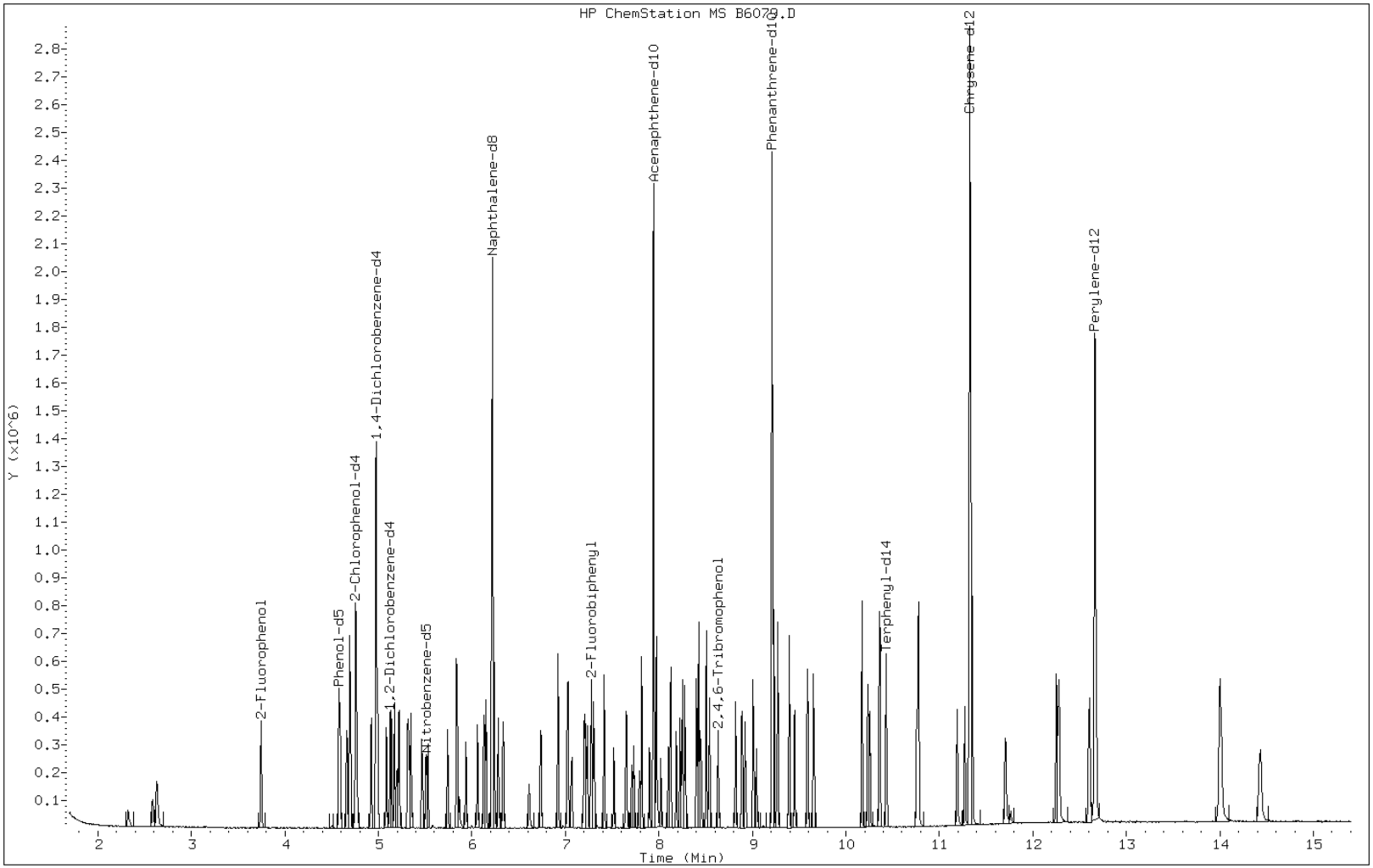
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: B6079.D

Date: 28-JUL-2011 16:31

Client ID: MS-HSL010_00011 Instrument: B.i

Sample Info: STD010-840615,,MS-HSL010_00011 Operator: KIEKELD



TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\B.i\072811b.b\B6080.D
Lab Smp Id: STD020-840616 Client Smp ID: MS-HSL020_00011
Inj Date : 28-JUL-2011 16:52
Operator : KIEKELD Inst ID: B.i
Smp Info : STD020-840616,,MS-HSL020_00011
Misc Info :
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\B.i\072811b.b\8270C.m
Meth Date : 01-Aug-2011 07:38 B.i Quant Type: ISTD
Cal Date : 28-JUL-2011 16:31 Cal File: B6079.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC307

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.977	4.977	(1.000)	211679	40.0000	
* 58 Naphthalene-d8	136	6.217	6.217	(1.000)	843570	40.0000	
* 96 Acenaphthene-d10	164	7.944	7.944	(1.000)	478058	40.0000	
* 135 Phenanthrene-d10	188	9.214	9.214	(1.000)	812102	40.0000	
* 166 Chrysene-d12	240	11.317	11.317	(1.000)	921718	40.0000	
* 179 Perylene-d12	264	12.651	12.651	(1.000)	866696	40.0000	
$ 22 2-Chlorophenol-d4	132	4.754	4.754	(0.955)	239403	30.0000	33.8016
$ 29 1,2-Dichlorobenzene-d4	152	5.124	5.124	(1.030)	113386	20.0000	21.8429
$ 8 2-Fluorophenol	112	3.744	3.744	(0.752)	231327	30.0000	31.1248
$ 15 Phenol-d5	99	4.578	4.578	(0.920)	288449	30.0000	31.5694
$ 43 Nitrobenzene-d5	82	5.512	5.512	(0.887)	159071	20.0000	20.5030
$ 81 2-Fluorobiphenyl	172	7.275	7.275	(0.916)	328323	20.0000	22.3525
$ 118 2,4,6-Tribromophenol	330	8.638	8.638	(1.087)	70451	30.0000	31.4631
$ 154 Terphenyl-d14	244	10.430	10.430	(0.922)	367410	20.0000	21.1626
4 1,4-Dioxane	88	2.322	2.322	(0.466)	67025	20.0000	20.4180
5 N-Nitrosodimethylamine	74	2.586	2.586	(0.520)	96477	20.0000	19.9920
6 Pyridine	79	2.627	2.627	(0.528)	175110	20.0000	20.1423
16 Phenol	94	4.590	4.590	(0.922)	201320	20.0000	21.1114
18 Aniline	93	4.660	4.660	(0.936)	243315	20.0000	20.7157
19 Methyl Styrene	118	4.695	4.695	(0.943)	167568	20.0000	21.7646
20 Bis(2-chloroethyl) ether	93	4.701	4.701	(0.945)	149499	20.0000	21.8916
21 Decane	43	4.754	4.754	(0.955)	128735	20.0000	22.2087

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
23 2-Chlorophenol	128	4.772	4.772	(0.959)	168329	20.0000	21.6295
25 1,3-Dichlorobenzene	146	4.924	4.924	(0.989)	185021	20.0000	21.0958
27 1,4-Dichlorobenzene	146	4.989	4.989	(1.002)	184521	20.0000	20.9403
28 Benzyl alcohol	108	5.083	5.083	(1.021)	103632	20.0000	20.3425
30 1,2-Dichlorobenzene	146	5.142	5.142	(1.033)	174920	20.0000	21.3709
32 2-Methylphenol	108	5.171	5.171	(1.039)	151991	20.0000	20.7361
34 2,2'-oxybis(1-chloropropane)	45	5.201	5.201	(1.045)	178813	20.0000	20.6451
35 1H-Indene	116	5.224	5.224	(1.050)	250297	20.0000	21.3576
138 3-Methylphenol	108	5.318	5.318	(1.068)	160493	20.0000	21.0277
36 4-Methylphenol	108	5.318	5.318	(1.068)	160493	20.0000	21.0277
139 3 & 4-Methylphenol	108	5.318	5.318	(1.068)	160493	20.0000	21.0277
37 N-nitrosodi-n-propylamine	70	5.330	5.330	(1.071)	111113	20.0000	21.3427
38 Acetophenone	105	5.348	5.348	(1.074)	217136	20.0000	21.4010
41 Hexachloroethane	117	5.465	5.465	(1.098)	69744	20.0000	20.7150
44 Nitrobenzene	77	5.530	5.530	(0.889)	158684	20.0000	20.8834
47 Isophorone	82	5.741	5.741	(0.923)	275916	20.0000	20.7259
50 2,4-Dimethylphenol	107	5.841	5.841	(0.940)	155567	20.0000	22.0148
49 2-Nitrophenol	139	5.835	5.835	(0.939)	79059	20.0000	21.1858
53 Benzoic acid	122	5.876	5.876	(0.945)	69645	20.0000	16.4832
52 Bis(2-chloroethoxy)methane	93	5.935	5.935	(0.955)	182452	20.0000	21.5318
54 2,4-Dichlorophenol	162	6.058	6.058	(0.974)	129508	20.0000	20.8994
56 n-Dodecane	43	6.129	6.129	(0.771)	126554	20.0000	21.5661
57 1,2,4-Trichlorobenzene	180	6.152	6.152	(0.990)	154556	20.0000	21.8700
59 Naphthalene	128	6.241	6.241	(1.004)	469747	20.0000	21.5798
60 4-Chloroaniline	127	6.282	6.282	(1.010)	200814	20.0000	21.3910
62 Hexachlorobutadiene	225	6.335	6.335	(1.019)	80573	20.0000	21.4334
67 Caprolactam	55	6.611	6.611	(1.063)	51409	20.0000	19.6962
68 4-Chloro-3-methylphenol	107	6.740	6.740	(1.084)	133973	20.0000	20.7164
71 2-Methylnaphthalene	142	6.922	6.922	(1.113)	322639	20.0000	21.6717
72 1-Methylnaphthalene	142	7.028	7.028	(1.130)	313490	20.0000	21.8143
74 Hexachlorocyclopentadiene	237	7.069	7.069	(0.890)	82477	20.0000	20.2229
78 2,4,6-Trichlorophenol	196	7.198	7.198	(0.906)	88039	20.0000	20.9370
79 2,3-Dichlorobenzeneamine	161	7.210	7.210	(0.908)	158516	20.0000	21.8330
80 2,4,5-Trichlorophenol	196	7.234	7.234	(0.911)	101435	20.0000	21.3300
83 Tetradecane	43	7.304	7.304	(0.919)	122767	20.0000	21.3155
86 2-Chloronaphthalene	162	7.416	7.416	(0.933)	282809	20.0000	21.5154
88 2-Nitroaniline	65	7.516	7.516	(0.946)	75187	20.0000	19.7063
91 Dimethyl phthalate	163	7.657	7.657	(0.964)	314045	20.0000	21.6794
93 2,6-Dinitrotoluene	165	7.733	7.733	(0.973)	73884	20.0000	20.5510
94 Acenaphthylene	152	7.815	7.815	(0.984)	460017	20.0000	22.0992
95 3-Nitroaniline	138	7.903	7.903	(0.995)	87656	20.0000	20.6705
97 Acenaphthene	153	7.974	7.974	(1.004)	291026	20.0000	21.8685
98 2,4-Dinitrophenol	184	7.991	7.991	(1.006)	29260	20.0000	14.3917
99 4-Nitrophenol	109	8.021	8.021	(1.010)	46491	20.0000	20.1336
101 2,4-Dinitrotoluene	165	8.103	8.103	(1.020)	96426	20.0000	20.7999
102 Dibenzofuran	168	8.127	8.127	(1.023)	416497	20.0000	22.2370
105 Hexadecane	57	8.250	8.250	(1.038)	167134	20.0000	21.9506
107 Diethyl phthalate	149	8.279	8.279	(1.042)	316286	20.0000	21.7684
109 4-Chlorophenyl phenyl ether	204	8.403	8.403	(1.058)	157761	20.0000	22.1987
110 Fluorene	166	8.426	8.426	(1.061)	347415	20.0000	22.1837
112 4-Nitroaniline	138	8.444	8.444	(1.063)	87257	20.0000	21.0727
113 4,6-Dinitro-2-methylphenol	198	8.456	8.456	(0.918)	50115	20.0000	18.5030
115 N-nitrosodiphenylamine	169	8.509	8.509	(0.923)	291786	20.0000	22.0936
116 Azobenzene	77	8.538	8.538	(1.075)	329169	20.0000	21.4893

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
234 1,2-DPH(as Azobenzene)	77	8.538	8.538	(1.075)	329169	20.2195	21.7252
242 2,4,6 - Tribromophenol	330	8.638	8.638	(1.087)	70451	30.0000	31.4631
124 4-Bromophenyl phenyl ether	248	8.820	8.820	(0.957)	92769	20.0000	21.5207
125 Hexachlorobenzene	284	8.890	8.890	(0.965)	97409	20.0000	21.3691
127 Atrazine	200	8.926	8.926	(0.969)	85731	20.0000	20.9043
128 n-Octadecane	85	9.008	9.008	(0.978)	81885	20.0000	21.8659
129 Pentachlorophenol	266	9.049	9.049	(0.982)	58532	20.0000	19.0565
136 Phenanthrene	178	9.231	9.231	(1.002)	496231	20.0000	22.2316
137 Anthracene	178	9.272	9.272	(1.006)	500621	20.0000	22.3145
140 Carbazole	167	9.396	9.396	(1.020)	490017	20.0000	22.4475
141 Alachlor	188	9.454	9.454	(1.026)	60356	20.0000	20.4029
143 Di-n-butyl phthalate	149	9.590	9.590	(1.041)	530232	20.0000	22.0077
144 n-Eicosane	43	9.654	9.654	(1.215)	118849	20.0000	21.6825
149 Fluoranthene	202	10.171	10.171	(1.104)	540818	20.0000	22.3946
150 n-docosane	43	10.230	10.230	(1.288)	113665	20.0000	21.4087
151 Benzidine	184	10.254	10.254	(0.906)	289196	20.0000	19.3827
152 Pyrene	202	10.359	10.359	(0.915)	562127	20.0000	21.4893
158 Famphur	218	10.753	10.753	(0.950)	194116	20.0000	22.9523
159 Butyl benzyl phthalate	149	10.771	10.771	(0.952)	246316	20.0000	21.8025
162 Bis(2-ethylhexyl) phthalate	149	11.182	11.182	(0.988)	298962	20.0000	19.7834
164 3 3'-Dichlorobenzidine	252	11.264	11.264	(0.995)	184433	20.0000	19.7904
165 Benzo(a)anthracene	228	11.305	11.305	(0.999)	536798	20.0000	20.9985(H)
167 Chrysene	228	11.340	11.340	(1.002)	550621	20.0000	21.5947
168 Di-n-octyl phthalate	149	11.693	11.693	(1.033)	474413	20.0000	18.9849
171 Benzo(b)fluoranthene	252	12.239	12.239	(0.967)	511159	20.0000	21.1338(H)
172 Benzo(k)fluoranthene	252	12.263	12.263	(0.969)	587613	20.0000	21.5732
178 Benzo(a)pyrene	252	12.586	12.586	(0.995)	503066	20.0000	21.5708
185 Dibenz(a,h)anthracene	278	13.984	13.984	(1.105)	448758	20.0000	20.9511
186 Indeno(1,2,3-cd)pyrene	276	13.990	13.990	(1.236)	550497	20.0000	19.9010
188 Benzo(g,h,i)perylene	276	14.413	14.413	(1.139)	478926	20.0000	20.4813

QC Flag Legend

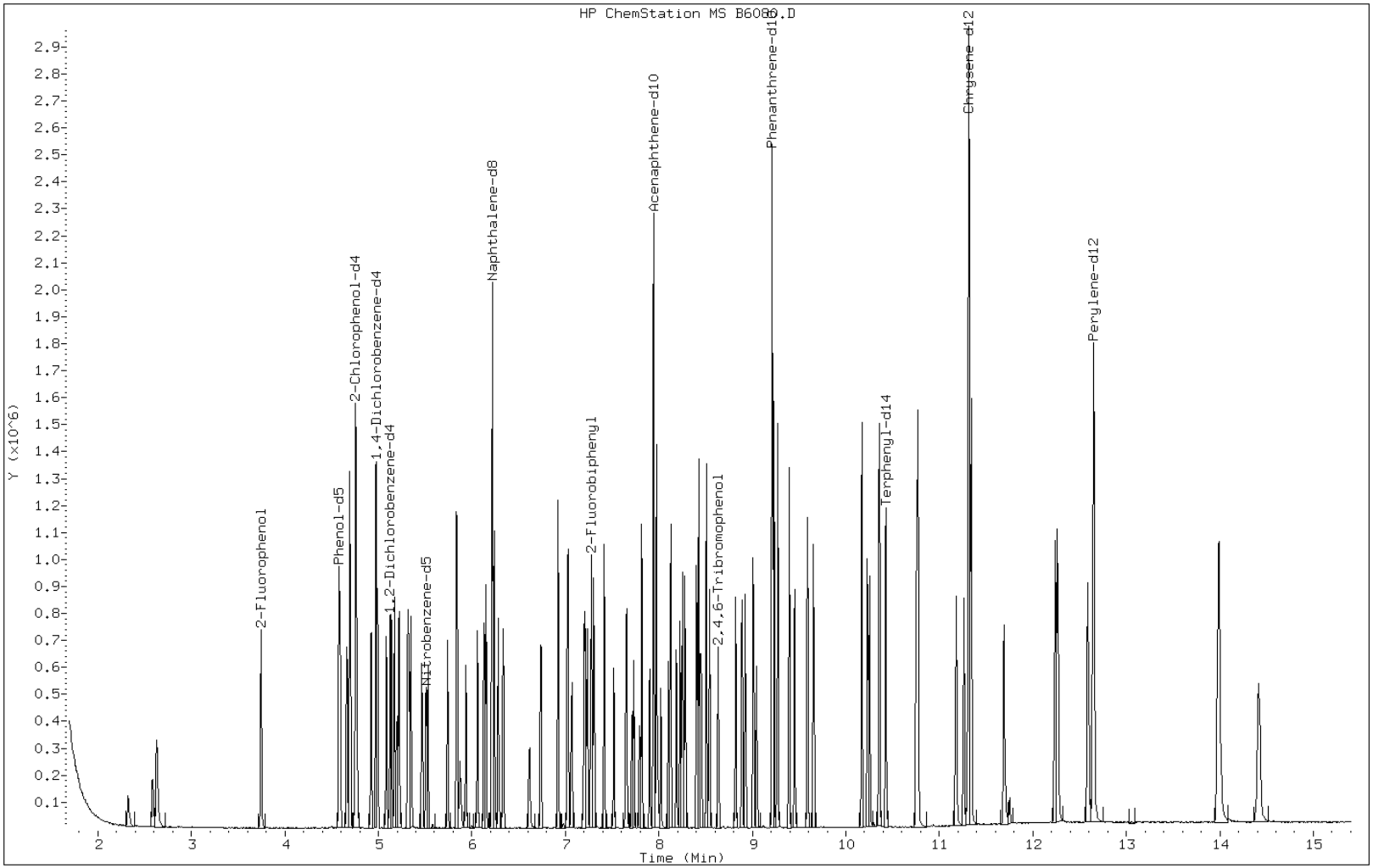
H - Operator selected an alternate compound hit.

Data File: B6080.D

Date: 28-JUL-2011 16:52

Client ID: MS-HSL020_00011 Instrument: B.i

Sample Info: STD020-840616,,MS-HSL020_00011 Operator: KIEKELD



TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\B.i\072811b.b\B6081.D
Lab Smp Id: STD050-840617 Client Smp ID: MS-HSL050_00011
Inj Date : 28-JUL-2011 17:13
Operator : KIEKELD Inst ID: B.i
Smp Info : STD050-840617,,MS-HSL050_00011
Misc Info :
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\B.i\072811b.b\8270C.m
Meth Date : 01-Aug-2011 07:38 B.i Quant Type: ISTD
Cal Date : 28-JUL-2011 16:52 Cal File: B6080.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC307

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.977	4.977	(1.000)	211220	40.0000	
* 58 Naphthalene-d8	136	6.216	6.216	(1.000)	840062	40.0000	
* 96 Acenaphthene-d10	164	7.944	7.944	(1.000)	488226	40.0000	
* 135 Phenanthrene-d10	188	9.213	9.213	(1.000)	810275	40.0000	
* 166 Chrysene-d12	240	11.316	11.316	(1.000)	913460	40.0000	
* 179 Perylene-d12	264	12.644	12.644	(1.000)	874967	40.0000	
$ 22 2-Chlorophenol-d4	132	4.759	4.759	(0.956)	571294	75.0000	80.8370
$ 29 1,2-Dichlorobenzene-d4	152	5.123	5.123	(1.030)	270495	50.0000	52.2219
$ 8 2-Fluorophenol	112	3.743	3.743	(0.752)	577138	75.0000	77.8222
$ 15 Phenol-d5	99	4.583	4.583	(0.921)	719792	75.0000	78.9492
$ 43 Nitrobenzene-d5	82	5.511	5.511	(0.887)	405737	50.0000	52.5147
$ 81 2-Fluorobiphenyl	172	7.280	7.280	(0.916)	778491	50.0000	51.8964
$ 118 2,4,6-Tribromophenol	330	8.637	8.637	(1.087)	179711	75.0000	78.5866
$ 154 Terphenyl-d14	244	10.429	10.429	(0.922)	889079	50.0000	51.6734
4 1,4-Dioxane	88	2.321	2.321	(0.466)	160810	50.0000	49.0943
5 N-Nitrosodimethylamine	74	2.585	2.585	(0.520)	242824	50.0000	50.4274
6 Pyridine	79	2.626	2.626	(0.528)	438485	50.0000	50.5470
16 Phenol	94	4.595	4.595	(0.923)	498715	50.0000	52.4114
18 Aniline	93	4.665	4.665	(0.937)	598601	50.0000	51.0752
19 Methyl Styrene	118	4.695	4.695	(0.943)	401914	50.0000	52.3162
20 Bis(2-chloroethyl) ether	93	4.700	4.700	(0.945)	361275	50.0000	53.0175
21 Decane	43	4.759	4.759	(0.956)	308809	50.0000	53.3898

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
23 2-Chlorophenol	128	4.771	4.771	(0.959)	405001	50.0000	52.1539
25 1,3-Dichlorobenzene	146	4.924	4.924	(0.989)	445798	50.0000	50.9397
27 1,4-Dichlorobenzene	146	4.994	4.994	(1.004)	452087	50.0000	51.4165
28 Benzyl alcohol	108	5.088	5.088	(1.022)	264596	50.0000	52.0519
30 1,2-Dichlorobenzene	146	5.141	5.141	(1.033)	424421	50.0000	51.9664
32 2-Methylphenol	108	5.170	5.170	(1.039)	384092	50.0000	52.5154
34 2,2'-oxybis(1-chloropropane)	45	5.200	5.200	(1.045)	441816	50.0000	51.1212
35 1H-Indene	116	5.223	5.223	(1.050)	612838	50.0000	52.4064
138 3-Methylphenol	108	5.317	5.317	(1.068)	396609	50.0000	52.0764
36 4-Methylphenol	108	5.317	5.317	(1.068)	396609	50.0000	52.0764
139 3 & 4-Methylphenol	108	5.317	5.317	(1.068)	396609	50.0000	52.0764
37 N-nitrosodi-n-propylamine	70	5.329	5.329	(1.071)	271500	50.0000	52.2634
38 Acetophenone	105	5.353	5.353	(1.076)	530304	50.0000	52.3805
41 Hexachloroethane	117	5.464	5.464	(1.098)	173141	50.0000	51.5372
44 Nitrobenzene	77	5.529	5.529	(0.889)	400353	50.0000	52.9078
47 Isophorone	82	5.740	5.740	(0.923)	694060	50.0000	52.3532
50 2,4-Dimethylphenol	107	5.840	5.840	(0.940)	378005	50.0000	53.7162
49 2-Nitrophenol	139	5.840	5.840	(0.940)	203631	50.0000	54.7959
53 Benzoic acid	122	5.893	5.893	(0.948)	209713	50.0000	49.8410
52 Bis(2-chloroethoxy)methane	93	5.934	5.934	(0.955)	444115	50.0000	52.6304
54 2,4-Dichlorophenol	162	6.058	6.058	(0.974)	328170	50.0000	53.1797
56 n-Dodecane	43	6.128	6.128	(0.771)	312810	50.0000	52.1959
57 1,2,4-Trichlorobenzene	180	6.152	6.152	(0.990)	364443	50.0000	51.7849
59 Naphthalene	128	6.240	6.240	(1.004)	1135356	50.0000	52.3752
60 4-Chloroaniline	127	6.287	6.287	(1.011)	492199	50.0000	52.6488
62 Hexachlorobutadiene	225	6.334	6.334	(1.019)	194253	50.0000	51.8895
67 Caprolactam	55	6.622	6.622	(1.065)	142612	50.0000	54.8666
68 4-Chloro-3-methylphenol	107	6.739	6.739	(1.084)	346621	50.0000	53.8223
71 2-Methylnaphthalene	142	6.921	6.921	(1.113)	783672	50.0000	52.8593
72 1-Methylnaphthalene	142	7.027	7.027	(1.130)	754454	50.0000	52.7182
74 Hexachlorocyclopentadiene	237	7.068	7.068	(0.890)	215868	50.0000	51.8274
78 2,4,6-Trichlorophenol	196	7.197	7.197	(0.906)	224760	50.0000	52.3382
79 2,3-Dichlorobenzeneamine	161	7.215	7.215	(0.908)	384777	50.0000	51.8930
80 2,4,5-Trichlorophenol	196	7.233	7.233	(0.911)	252717	50.0000	52.0351
83 Tetradecane	43	7.303	7.303	(0.919)	305903	50.0000	52.0066
86 2-Chloronaphthalene	162	7.415	7.415	(0.933)	692738	50.0000	51.6043
88 2-Nitroaniline	65	7.521	7.521	(0.947)	200056	50.0000	51.3421
91 Dimethyl phthalate	163	7.656	7.656	(0.964)	762149	50.0000	51.5174
93 2,6-Dinitrotoluene	165	7.732	7.732	(0.973)	188045	50.0000	51.2159
94 Acenaphthylene	152	7.820	7.820	(0.984)	1115419	50.0000	52.4687
95 3-Nitroaniline	138	7.903	7.903	(0.995)	220893	50.0000	51.0048
97 Acenaphthene	153	7.973	7.973	(1.004)	704876	50.0000	51.8632
98 2,4-Dinitrophenol	184	7.991	7.991	(1.006)	99894	50.0000	48.1102
99 4-Nitrophenol	109	8.026	8.026	(1.010)	120788	50.0000	51.2196
101 2,4-Dinitrotoluene	165	8.102	8.102	(1.020)	243902	50.0000	51.5160
102 Dibenzofuran	168	8.126	8.126	(1.023)	998092	50.0000	52.1789
105 Hexadecane	57	8.249	8.249	(1.038)	406139	50.0000	52.2295
107 Diethyl phthalate	149	8.279	8.279	(1.042)	768942	50.0000	51.8203
109 4-Chlorophenyl phenyl ether	204	8.408	8.408	(1.058)	379959	50.0000	52.3510
110 Fluorene	166	8.425	8.425	(1.061)	829490	50.0000	51.8628
112 4-Nitroaniline	138	8.449	8.449	(1.064)	227444	50.0000	53.7841
113 4,6-Dinitro-2-methylphenol	198	8.461	8.461	(0.918)	139399	50.0000	51.5835
115 N-nitrosodiphenylamine	169	8.508	8.508	(0.923)	701342	50.0000	53.2243
116 Azobenzene	77	8.543	8.543	(1.075)	801427	50.0000	51.2304

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
234 1,2-DPH(as Azobenzene)	77	8.543	8.543	(1.075)	801427	50.5487	51.7926
242 2,4,6 - Tribromophenol	330	8.637	8.637	(1.087)	179711	75.0000	78.5866
124 4-Bromophenyl phenyl ether	248	8.819	8.819	(0.957)	225006	50.0000	52.3150
125 Hexachlorobenzene	284	8.890	8.890	(0.965)	239842	50.0000	52.7340
127 Atrazine	200	8.925	8.925	(0.969)	220841	50.0000	53.9704
128 n-Octadecane	85	9.007	9.007	(0.978)	200555	50.0000	53.6754
129 Pentachlorophenol	266	9.048	9.048	(0.982)	161946	50.0000	52.8443
136 Phenanthrene	178	9.230	9.230	(1.002)	1173721	50.0000	52.7024
137 Anthracene	178	9.272	9.272	(1.006)	1193680	50.0000	53.3266
140 Carbazole	167	9.395	9.395	(1.020)	1150102	50.0000	52.8045
141 Alachlor	188	9.454	9.454	(1.026)	159217	50.0000	53.9436
143 Di-n-butyl phthalate	149	9.589	9.589	(1.041)	1298475	50.0000	54.0158
144 n-Eicosane	43	9.653	9.653	(1.215)	299814	50.0000	53.5582
149 Fluoranthene	202	10.170	10.170	(1.104)	1290042	50.0000	53.5396
150 n-docosane	43	10.229	10.229	(1.288)	285997	50.0000	52.7454
151 Benzidine	184	10.253	10.253	(0.906)	778630	50.0000	52.6576
152 Pyrene	202	10.358	10.358	(0.915)	1352789	50.0000	52.1828
158 Famphur	218	10.746	10.746	(0.950)	478424	50.0000	57.0803
159 Butyl benzyl phthalate	149	10.770	10.770	(0.952)	599682	50.0000	53.5603
162 Bis(2-ethylhexyl) phthalate	149	11.175	11.175	(0.988)	813655	50.0000	51.4638
164 3 3'-Dichlorobenzidine	252	11.257	11.257	(0.995)	481254	50.0000	52.1074
165 Benzo(a)anthracene	228	11.304	11.304	(0.999)	1301757	50.0000	51.3826(H)
167 Chrysene	228	11.340	11.340	(1.002)	1289681	50.0000	51.0370
168 Di-n-octyl phthalate	149	11.686	11.686	(1.033)	1368168	50.0000	51.0022
171 Benzo(b)fluoranthene	252	12.233	12.233	(0.967)	1399137	50.0000	57.3004(H)
172 Benzo(k)fluoranthene	252	12.262	12.262	(0.970)	1357065	50.0000	49.3514
178 Benzo(a)pyrene	252	12.585	12.585	(0.995)	1244028	50.0000	52.8379
185 Dibenz(a,h)anthracene	278	13.984	13.984	(1.106)	1151000	50.0000	53.2286
186 Indeno(1,2,3-cd)pyrene	276	13.984	13.984	(1.236)	1402446	50.0000	51.1582
188 Benzo(g,h,i)perylene	276	14.418	14.418	(1.140)	1222911	50.0000	51.8034

QC Flag Legend

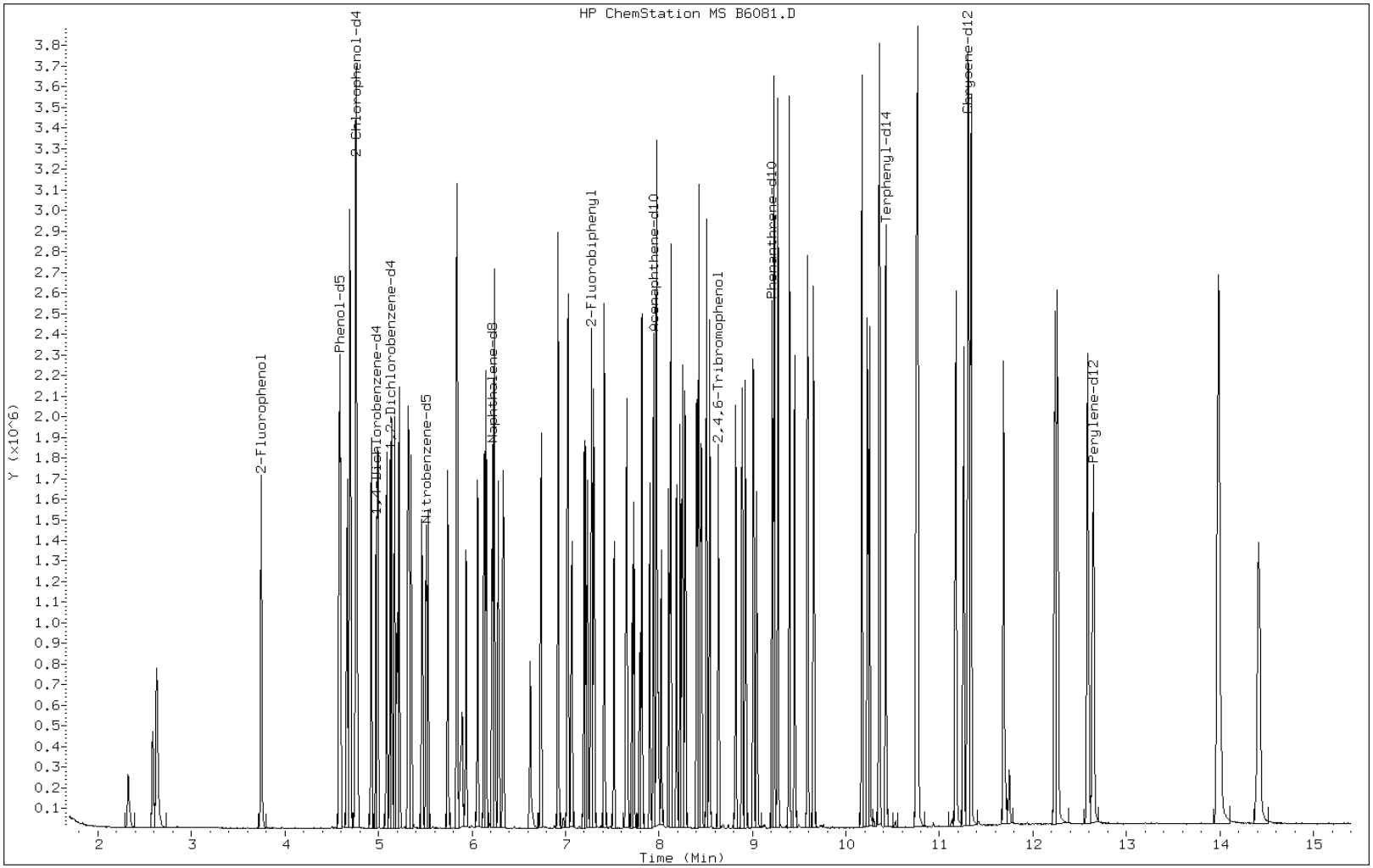
H - Operator selected an alternate compound hit.

Data File: B6081.D

Date: 28-JUL-2011 17:13

Client ID: MS-HSL050_00011 Instrument: B.i

Sample Info: STD050-840617,,MS-HSL050_00011 Operator: KIEKELD



TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\B.i\072811b.b\B6082.D
Lab Smp Id: STD120-840621 Client Smp ID: MS-HSL120_00011
Inj Date : 28-JUL-2011 17:33
Operator : KIEKELD Inst ID: B.i
Smp Info : STD120-840621,,MS-HSL120_00011
Misc Info :
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\B.i\072811b.b\8270C.m
Meth Date : 01-Aug-2011 07:38 B.i Quant Type: ISTD
Cal Date : 28-JUL-2011 17:13 Cal File: B6081.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC307

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.974	4.974	(1.000)	207375	40.0000	
* 58 Naphthalene-d8	136	6.220	6.220	(1.000)	835903	40.0000	
* 96 Acenaphthene-d10	164	7.941	7.941	(1.000)	478399	40.0000	
* 135 Phenanthrene-d10	188	9.210	9.210	(1.000)	796215	40.0000	
* 166 Chrysene-d12	240	11.331	11.331	(1.000)	853819	40.0000	
* 179 Perylene-d12	264	12.665	12.665	(1.000)	872398	40.0000	
$ 22 2-Chlorophenol-d4	132	4.757	4.757	(0.956)	1169429	180.000	168.540
$ 29 1,2-Dichlorobenzene-d4	152	5.127	5.127	(1.031)	583406	120.000	114.721
$ 8 2-Fluorophenol	112	3.746	3.746	(0.753)	1292422	180.000	177.503
$ 15 Phenol-d5	99	4.586	4.586	(0.922)	1558980	180.000	174.164
$ 43 Nitrobenzene-d5	82	5.515	5.515	(0.887)	913472	120.000	118.819
$ 81 2-Fluorobiphenyl	172	7.277	7.277	(0.916)	1675230	120.000	113.970
$ 118 2,4,6-Tribromophenol	330	8.640	8.640	(1.088)	408275	180.000	182.204
$ 154 Terphenyl-d14	244	10.432	10.432	(0.921)	1879293	120.000	116.854
4 1,4-Dioxane	88	2.324	2.324	(0.467)	372209	120.000	115.740
5 N-Nitrosodimethylamine	74	2.589	2.589	(0.520)	566518	120.000	119.830
6 Pyridine	79	2.630	2.630	(0.529)	1025010	120.000	120.350
16 Phenol	94	4.598	4.598	(0.924)	1091146	120.000	116.798
18 Aniline	93	4.668	4.668	(0.939)	1354188	120.000	117.688
19 Methyl Styrene	118	4.698	4.698	(0.944)	871898	120.000	115.597
20 Bis(2-chloroethyl) ether	93	4.704	4.704	(0.946)	757558	120.000	113.234
21 Decane	43	4.757	4.757	(0.956)	640061	120.000	112.712

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
23 2-Chlorophenol	128	4.774	4.774	(0.960)	881646	120.000	115.639
25 1,3-Dichlorobenzene	146	4.921	4.921	(0.989)	989888	120.000	115.208
27 1,4-Dichlorobenzene	146	4.992	4.992	(1.004)	990044	120.000	114.687
28 Benzyl alcohol	108	5.092	5.092	(1.024)	592004	120.000	118.620
30 1,2-Dichlorobenzene	146	5.139	5.139	(1.033)	911761	120.000	113.706
32 2-Methylphenol	108	5.174	5.174	(1.040)	841999	120.000	117.258
34 2,2'-oxybis(1-chloropropane)	45	5.203	5.203	(1.046)	995914	120.000	117.371
35 1H-Indene	116	5.221	5.221	(1.050)	1317388	120.000	114.744
138 3-Methylphenol	108	5.321	5.321	(1.070)	874159	120.000	116.909
36 4-Methylphenol	108	5.321	5.321	(1.070)	874159	120.000	116.909
139 3 & 4-Methylphenol	108	5.321	5.321	(1.070)	874159	120.000	116.909
37 N-nitrosodi-n-propylamine	70	5.332	5.332	(1.072)	604787	120.000	118.579
38 Acetophenone	105	5.350	5.350	(1.076)	1152450	120.000	115.943
41 Hexachloroethane	117	5.468	5.468	(1.099)	386982	120.000	117.325
44 Nitrobenzene	77	5.532	5.532	(0.889)	881935	120.000	117.130
47 Isophorone	82	5.744	5.744	(0.923)	1558757	120.000	118.163
50 2,4-Dimethylphenol	107	5.844	5.844	(0.940)	799479	120.000	114.175
49 2-Nitrophenol	139	5.838	5.838	(0.939)	441939	120.000	119.515
53 Benzoic acid	122	5.920	5.920	(0.952)	489032	120.000	116.803
52 Bis(2-chloroethoxy)methane	93	5.938	5.938	(0.955)	986689	120.000	117.510
54 2,4-Dichlorophenol	162	6.061	6.061	(0.974)	725509	120.000	118.153
56 n-Dodecane	43	6.131	6.131	(0.772)	682214	120.000	116.174
57 1,2,4-Trichlorobenzene	180	6.155	6.155	(0.990)	786977	120.000	112.380
59 Naphthalene	128	6.243	6.243	(1.004)	2420120	120.000	112.198
60 4-Chloroaniline	127	6.284	6.284	(1.010)	1089039	120.000	117.070
62 Hexachlorobutadiene	225	6.337	6.337	(1.019)	430320	120.000	115.520
67 Caprolactam	55	6.643	6.643	(1.068)	284478	120.000	109.991
68 4-Chloro-3-methylphenol	107	6.743	6.743	(1.084)	756290	120.000	118.019
71 2-Methylnaphthalene	142	6.925	6.925	(1.113)	1660645	120.000	112.569
72 1-Methylnaphthalene	142	7.025	7.025	(1.129)	1593174	120.000	111.878
74 Hexachlorocyclopentadiene	237	7.066	7.066	(0.890)	496819	120.000	121.730
78 2,4,6-Trichlorophenol	196	7.201	7.201	(0.907)	499531	120.000	118.712
79 2,3-Dichlorobenzeneamine	161	7.213	7.213	(0.908)	846985	120.000	116.575
80 2,4,5-Trichlorophenol	196	7.236	7.236	(0.911)	562018	120.000	118.098
83 Tetradecane	43	7.307	7.307	(0.920)	670652	120.000	116.360
86 2-Chloronaphthalene	162	7.418	7.418	(0.934)	1471498	120.000	111.868
88 2-Nitroaniline	65	7.518	7.518	(0.947)	460337	120.000	120.567
91 Dimethyl phthalate	163	7.659	7.659	(0.964)	1642301	120.000	113.292
93 2,6-Dinitrotoluene	165	7.735	7.735	(0.974)	414499	120.000	115.212
94 Acenaphthylene	152	7.818	7.818	(0.984)	2339500	120.000	112.309
95 3-Nitroaniline	138	7.906	7.906	(0.996)	507432	120.000	119.574
97 Acenaphthene	153	7.976	7.976	(1.004)	1477752	120.000	110.963
98 2,4-Dinitrophenol	184	7.994	7.994	(1.007)	264453	120.000	129.980
99 4-Nitrophenol	109	8.029	8.029	(1.011)	281752	120.000	121.930
101 2,4-Dinitrotoluene	165	8.106	8.106	(1.021)	554775	120.000	119.584
102 Dibenzofuran	168	8.129	8.129	(1.024)	2077588	120.000	110.844
105 Hexadecane	57	8.253	8.253	(1.039)	876926	120.000	115.089
107 Diethyl phthalate	149	8.282	8.282	(1.043)	1656951	120.000	113.958
109 4-Chlorophenyl phenyl ether	204	8.405	8.405	(1.058)	813905	120.000	114.444
110 Fluorene	166	8.429	8.429	(1.061)	1731179	120.000	110.463
112 4-Nitroaniline	138	8.458	8.458	(1.065)	492273	120.000	118.800
113 4,6-Dinitro-2-methylphenol	198	8.464	8.464	(0.919)	330305	120.000	124.385
115 N-nitrosodiphenylamine	169	8.511	8.511	(0.924)	1479743	120.000	114.280
116 Azobenzene	77	8.546	8.546	(1.076)	1760480	120.000	114.848

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
234 1,2-DPH(as Azobenzene)	77	8.546	8.546	(1.076)	1760480	121.317	116.109
242 2,4,6 - Tribromophenol	330	8.640	8.640	(1.088)	408275	180.000	182.204
124 4-Bromophenyl phenyl ether	248	8.822	8.822	(0.958)	492041	120.000	116.422
125 Hexachlorobenzene	284	8.893	8.893	(0.966)	515382	120.000	115.318
127 Atrazine	200	8.928	8.928	(0.969)	479773	120.000	119.320
128 n-Octadecane	85	9.010	9.010	(0.978)	430216	120.000	117.174
129 Pentachlorophenol	266	9.046	9.046	(0.982)	369261	120.000	122.620
136 Phenanthrene	178	9.234	9.234	(1.003)	2396742	120.000	109.519
137 Anthracene	178	9.275	9.275	(1.007)	2458782	120.000	111.784
140 Carbazole	167	9.398	9.398	(1.020)	2406672	120.000	112.448
141 Alachlor	188	9.451	9.451	(1.026)	346064	120.000	119.319
143 Di-n-butyl phthalate	149	9.592	9.592	(1.041)	2788788	120.000	118.060
144 n-Eicosane	43	9.657	9.657	(1.216)	637963	120.000	116.305
149 Fluoranthene	202	10.174	10.174	(1.105)	2690872	120.000	113.649
150 n-docosane	43	10.233	10.233	(1.289)	625988	120.000	117.820
151 Benzidine	184	10.256	10.256	(0.905)	1646904	120.000	119.158
152 Pyrene	202	10.362	10.362	(0.914)	2760031	120.000	113.903
158 Famphur	218	10.755	10.755	(0.949)	920670	120.000	117.517
159 Butyl benzyl phthalate	149	10.779	10.779	(0.951)	1232591	120.000	117.778
162 Bis(2-ethylhexyl) phthalate	149	11.184	11.184	(0.987)	1824796	120.000	121.185
164 3 3'-Dichlorobenzidine	252	11.273	11.273	(0.995)	1048191	120.000	121.420
165 Benzo(a)anthracene	228	11.320	11.320	(0.999)	2749964	120.000	116.128(H)
167 Chrysene	228	11.355	11.355	(1.002)	2652851	120.000	112.315
168 Di-n-octyl phthalate	149	11.701	11.701	(1.033)	3153708	120.000	122.518
171 Benzo(b)fluoranthene	252	12.254	12.254	(0.968)	2697825	120.000	110.812(H)
172 Benzo(k)fluoranthene	252	12.283	12.283	(0.970)	3238925	120.000	118.134
178 Benzo(a)pyrene	252	12.606	12.606	(0.995)	2758599	120.000	117.512
185 Dibenz(a,h)anthracene	278	14.010	14.010	(1.106)	2599305	120.000	120.560
186 Indeno(1,2,3-cd)pyrene	276	14.016	14.016	(1.237)	3184606	120.000	124.282
188 Benzo(g,h,i)perylene	276	14.439	14.439	(1.140)	2845740	120.000	120.903

QC Flag Legend

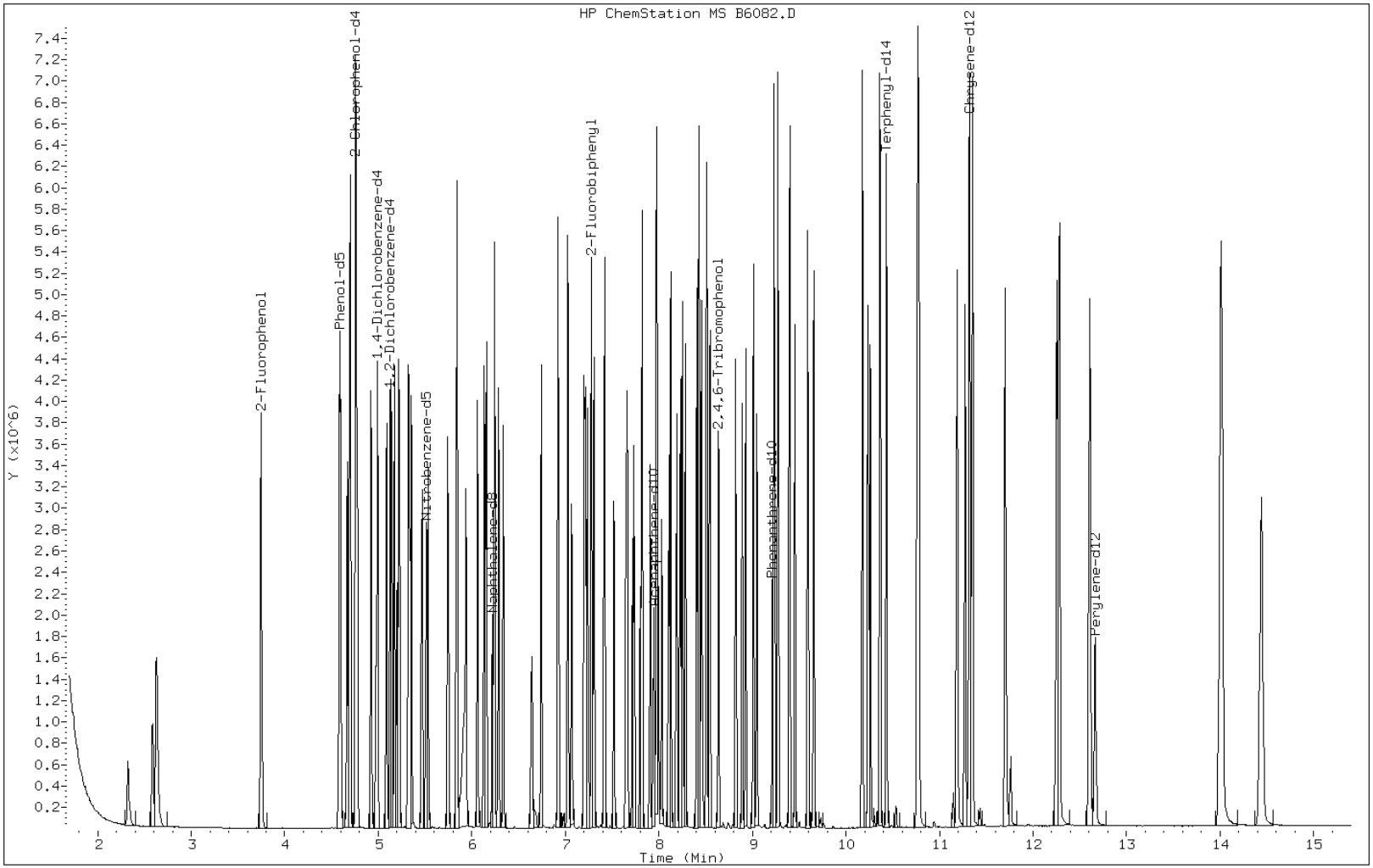
H - Operator selected an alternate compound hit.

Data File: B6082.D

Date: 28-JUL-2011 17:33

Client ID: MS-HSL120_00011 Instrument: B.i

Sample Info: STD120-840621,,MS-HSL120_00011 Operator: KIEKELD



TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\B.i\072811b.b\B6083.D
Lab Smp Id: STD160-840622 Client Smp ID: MS-HSL160_00011
Inj Date : 28-JUL-2011 17:54
Operator : KIEKELD Inst ID: B.i
Smp Info : STD160-840622,,MS-HSL160_00011
Misc Info :
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\B.i\072811b.b\8270C.m
Meth Date : 01-Aug-2011 07:38 B.i Quant Type: ISTD
Cal Date : 28-JUL-2011 17:33 Cal File: B6082.D
Als bottle: 7 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC307

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.978	4.978	(1.000)	208968	40.0000	
* 58 Naphthalene-d8	136	6.217	6.217	(1.000)	848974	40.0000	
* 96 Acenaphthene-d10	164	7.945	7.945	(1.000)	483797	40.0000	
* 135 Phenanthrene-d10	188	9.214	9.214	(1.000)	805001	40.0000	
* 166 Chrysene-d12	240	11.312	11.312	(1.000)	835338	40.0000	
* 179 Perylene-d12	264	12.634	12.634	(1.000)	865965	40.0000	
$ 22 2-Chlorophenol-d4	132	4.760	4.760	(0.956)	1456828	240.000	208.360
$ 29 1,2-Dichlorobenzene-d4	152	5.125	5.125	(1.030)	753505	160.000	147.040
$ 8 2-Fluorophenol	112	3.750	3.750	(0.753)	1673688	240.000	228.115
$ 15 Phenol-d5	99	4.590	4.590	(0.922)	2021727	240.000	224.139
$ 43 Nitrobenzene-d5	82	5.512	5.512	(0.887)	1207081	160.000	154.593
$ 81 2-Fluorobiphenyl	172	7.281	7.281	(0.916)	2150937	160.000	144.700
$ 118 2,4,6-Tribromophenol	330	8.638	8.638	(1.087)	537739	240.000	237.303
$ 154 Terphenyl-d14	244	10.424	10.424	(0.922)	2352268	160.000	149.500
4 1,4-Dioxane	88	2.322	2.322	(0.467)	497764	160.000	153.602
5 N-Nitrosodimethylamine	74	2.586	2.586	(0.520)	760544	160.000	159.645
6 Pyridine	79	2.628	2.628	(0.528)	1355990	160.000	157.998
16 Phenol	94	4.602	4.602	(0.924)	1402537	160.000	148.985
18 Aniline	93	4.672	4.672	(0.939)	1785000	160.000	153.945
19 Methyl Styrene	118	4.696	4.696	(0.943)	1112100	160.000	146.319
20 Bis(2-chloroethyl) ether	93	4.702	4.702	(0.945)	966728	160.000	143.397
21 Decane	43	4.760	4.760	(0.956)	809142	160.000	141.400

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
23 2-Chlorophenol	128	4.778	4.778	(0.960)	1136446	160.000	147.923
25 1,3-Dichlorobenzene	146	4.925	4.925	(0.989)	1263323	160.000	145.911
27 1,4-Dichlorobenzene	146	4.990	4.990	(1.002)	1265007	160.000	145.422
28 Benzyl alcohol	108	5.089	5.089	(1.022)	781168	160.000	155.329
30 1,2-Dichlorobenzene	146	5.142	5.142	(1.033)	1164567	160.000	144.127
32 2-Methylphenol	108	5.178	5.178	(1.040)	1098388	160.000	151.797
34 2,2'-oxybis(1-chloropropane)	45	5.201	5.201	(1.045)	1304841	160.000	152.606
35 1H-Indene	116	5.225	5.225	(1.050)	1711727	160.000	147.955
138 3-Methylphenol	108	5.324	5.324	(1.070)	1135639	160.000	150.721
36 4-Methylphenol	108	5.324	5.324	(1.070)	1135639	160.000	150.721
139 3 & 4-Methylphenol	108	5.324	5.324	(1.070)	1135639	160.000	150.721
37 N-nitrosodi-n-propylamine	70	5.336	5.336	(1.072)	778724	160.000	151.519
38 Acetophenone	105	5.354	5.354	(1.076)	1506971	160.000	150.454
41 Hexachloroethane	117	5.465	5.465	(1.098)	507420	160.000	152.666
44 Nitrobenzene	77	5.530	5.530	(0.889)	1157252	160.000	151.329
47 Isophorone	82	5.747	5.747	(0.924)	2036268	160.000	151.984
50 2,4-Dimethylphenol	107	5.841	5.841	(0.940)	1016801	160.000	142.975
49 2-Nitrophenol	139	5.841	5.841	(0.940)	558819	160.000	148.796
53 Benzoic acid	122	5.930	5.930	(0.954)	742108	160.000	174.520
52 Bis(2-chloroethoxy)methane	93	5.941	5.941	(0.956)	1262441	160.000	148.036
54 2,4-Dichlorophenol	162	6.065	6.065	(0.975)	939957	160.000	150.720
56 n-Dodecane	43	6.135	6.135	(0.772)	886237	160.000	149.232
57 1,2,4-Trichlorobenzene	180	6.153	6.153	(0.990)	1007930	160.000	141.717
59 Naphthalene	128	6.241	6.241	(1.004)	3094935	160.000	141.274
60 4-Chloroaniline	127	6.288	6.288	(1.011)	1399915	160.000	148.172
62 Hexachlorobutadiene	225	6.335	6.335	(1.019)	560698	160.000	148.203
67 Caprolactam	55	6.652	6.652	(1.070)	453381	160.000	172.597
68 4-Chloro-3-methylphenol	107	6.746	6.746	(1.085)	983100	160.000	151.050
71 2-Methylnaphthalene	142	6.923	6.923	(1.113)	2100666	160.000	140.204
72 1-Methylnaphthalene	142	7.028	7.028	(1.130)	2027705	160.000	140.200
74 Hexachlorocyclopentadiene	237	7.069	7.069	(0.890)	661673	160.000	160.314
78 2,4,6-Trichlorophenol	196	7.205	7.205	(0.907)	637883	160.000	149.899
79 2,3-Dichlorobenzeneamine	161	7.216	7.216	(0.908)	1072058	160.000	145.907
80 2,4,5-Trichlorophenol	196	7.240	7.240	(0.911)	722709	160.000	150.170
83 Tetradecane	43	7.304	7.304	(0.919)	861477	160.000	147.800
86 2-Chloronaphthalene	162	7.422	7.422	(0.934)	1889140	160.000	142.016
88 2-Nitroaniline	65	7.522	7.522	(0.947)	607671	160.000	157.380
91 Dimethyl phthalate	163	7.663	7.663	(0.965)	2107339	160.000	143.750
93 2,6-Dinitrotoluene	165	7.739	7.739	(0.974)	546767	160.000	150.281
94 Acenaphthylene	152	7.821	7.821	(0.984)	2960000	160.000	140.511
95 3-Nitroaniline	138	7.910	7.910	(0.996)	657919	160.000	153.306
97 Acenaphthene	153	7.974	7.974	(1.004)	1875240	160.000	139.239
98 2,4-Dinitrophenol	184	7.998	7.998	(1.007)	362663	160.000	176.262
99 4-Nitrophenol	109	8.033	8.033	(1.011)	377271	160.000	161.445
101 2,4-Dinitrotoluene	165	8.109	8.109	(1.021)	725488	160.000	154.637
102 Dibenzofuran	168	8.127	8.127	(1.023)	2629666	160.000	138.734
105 Hexadecane	57	8.250	8.250	(1.038)	1125474	160.000	146.061
107 Diethyl phthalate	149	8.286	8.286	(1.043)	2106119	160.000	143.234
109 4-Chlorophenyl phenyl ether	204	8.409	8.409	(1.058)	1041979	160.000	144.879
110 Fluorene	166	8.427	8.427	(1.061)	2193133	160.000	138.378
112 4-Nitroaniline	138	8.456	8.456	(1.064)	622842	160.000	148.633
113 4,6-Dinitro-2-methylphenol	198	8.462	8.462	(0.918)	436345	160.000	162.524
115 N-nitrosodiphenylamine	169	8.515	8.515	(0.924)	1864968	160.000	142.458
116 Azobenzene	77	8.544	8.544	(1.075)	2266223	160.000	146.192

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
234 1,2-DPH(as Azobenzene)	77	8.544	8.544	(1.075)	2266223	161.756	147.796
242 2,4,6 - Tribromophenol	330	8.638	8.638	(1.087)	537739	240.000	237.303(A)
124 4-Bromophenyl phenyl ether	248	8.820	8.820	(0.957)	633781	160.000	148.322
125 Hexachlorobenzene	284	8.891	8.891	(0.965)	672044	160.000	148.730
127 Atrazine	200	8.932	8.932	(0.969)	602791	160.000	148.279
128 n-Octadecane	85	9.008	9.008	(0.978)	549546	160.000	148.041
129 Pentachlorophenol	266	9.049	9.049	(0.982)	480063	160.000	157.675
136 Phenanthrene	178	9.232	9.232	(1.002)	3019734	160.000	136.480
137 Anthracene	178	9.273	9.273	(1.006)	3077359	160.000	138.379
140 Carbazole	167	9.396	9.396	(1.020)	3025443	160.000	139.817
141 Alachlor	188	9.455	9.455	(1.026)	445464	160.000	151.914
143 Di-n-butyl phthalate	149	9.590	9.590	(1.041)	3553021	160.000	148.772
144 n-Eicosane	43	9.655	9.655	(1.215)	824804	160.000	148.690
149 Fluoranthene	202	10.172	10.172	(1.104)	3269973	160.000	136.600
150 n-docosane	43	10.230	10.230	(1.288)	803647	160.000	149.570
151 Benzidine	184	10.254	10.254	(0.907)	2145528	160.000	158.669
152 Pyrene	202	10.360	10.360	(0.916)	3450995	160.000	145.569
158 Famphur	218	10.747	10.747	(0.950)	1091160	160.000	142.360
159 Butyl benzyl phthalate	149	10.765	10.765	(0.952)	1522004	160.000	148.650
162 Bis(2-ethylhexyl) phthalate	149	11.165	11.165	(0.987)	2340855	160.000	158.385(H)
164 3 3'-Dichlorobenzidine	252	11.253	11.253	(0.995)	1329195	160.000	157.377
165 Benzo(a)anthracene	228	11.300	11.300	(0.999)	3477074	160.000	150.082(H)
167 Chrysene	228	11.335	11.335	(1.002)	3351963	160.000	145.054
168 Di-n-octyl phthalate	149	11.676	11.676	(1.032)	4077813	160.000	161.208
171 Benzo(b)fluoranthene	252	12.228	12.228	(0.968)	3493605	160.000	144.565(H)
172 Benzo(k)fluoranthene	252	12.257	12.257	(0.970)	4141969	160.000	152.194
178 Benzo(a)pyrene	252	12.581	12.581	(0.996)	3599640	160.000	154.478
185 Dibenz(a,h)anthracene	278	13.985	13.985	(1.107)	3366817	160.000	157.319
186 Indeno(1,2,3-cd)pyrene	276	13.997	13.997	(1.237)	4146439	160.000	165.398
188 Benzo(g,h,i)perylene	276	14.420	14.420	(1.141)	3752239	160.000	160.600

QC Flag Legend

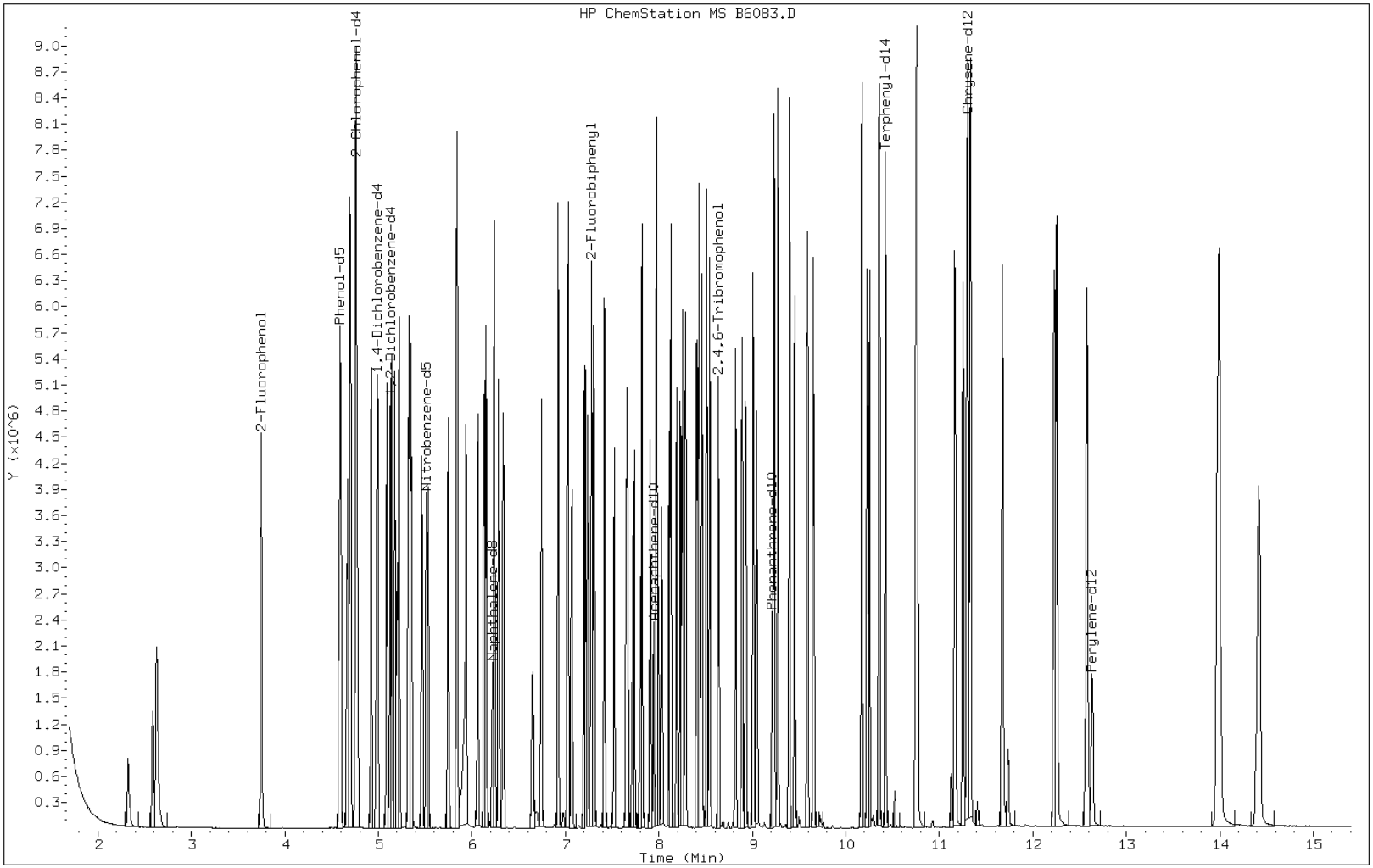
A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: B6083.D

Date: 28-JUL-2011 17:54

Client ID: MS-HSL160_00011 Instrument: B.i

Sample Info: STD160-840622,,MS-HSL160_00011 Operator: KIEKELD



TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\B.i\072811b.b\B6084.D
Lab Smp Id: STD200-840623 Client Smp ID: MS-HSL200_00011
Inj Date : 28-JUL-2011 18:15
Operator : KIEKELD Inst ID: B.i
Smp Info : STD200-840623,,MS-HSL200_00011
Misc Info :
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\B.i\072811b.b\8270C.m
Meth Date : 01-Aug-2011 07:38 B.i Quant Type: ISTD
Cal Date : 28-JUL-2011 17:54 Cal File: B6083.D
Als bottle: 8 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC307

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.977	4.977	(1.000)	212782	40.0000	
* 58 Naphthalene-d8	136	6.223	6.223	(1.000)	861499	40.0000	
* 96 Acenaphthene-d10	164	7.944	7.944	(1.000)	487141	40.0000	
* 135 Phenanthrene-d10	188	9.213	9.213	(1.000)	824734	40.0000	
* 166 Chrysene-d12	240	11.329	11.329	(1.000)	826243	40.0000	
* 179 Perylene-d12	264	12.656	12.656	(1.000)	879963	40.0000	
$ 22 2-Chlorophenol-d4	132	4.766	4.766	(0.958)	1711908	300.000	240.454
$ 29 1,2-Dichlorobenzene-d4	152	5.130	5.130	(1.031)	910492	200.000	174.490
$ 8 2-Fluorophenol	112	3.749	3.749	(0.753)	2037736	300.000	272.754
$ 15 Phenol-d5	99	4.589	4.589	(0.922)	2479283	300.000	269.940
$ 43 Nitrobenzene-d5	82	5.518	5.518	(0.887)	1498936	200.000	189.180
$ 81 2-Fluorobiphenyl	172	7.280	7.280	(0.916)	2564700	200.000	171.351
$ 118 2,4,6-Tribromophenol	330	8.643	8.643	(1.088)	664034	300.000	291.025
$ 154 Terphenyl-d14	244	10.430	10.430	(0.921)	2848641	200.000	183.040
4 1,4-Dioxane	88	2.321	2.321	(0.466)	617570	200.000	187.156
5 N-Nitrosodimethylamine	74	2.586	2.586	(0.520)	953066	200.000	196.471
6 Pyridine	79	2.627	2.627	(0.528)	1699462	200.000	194.470
16 Phenol	94	4.601	4.601	(0.924)	1691578	200.000	176.468
18 Aniline	93	4.672	4.672	(0.939)	2192514	200.000	185.702
19 Methyl Styrene	118	4.695	4.695	(0.943)	1334701	200.000	172.459
20 Bis(2-chloroethyl) ether	93	4.707	4.707	(0.946)	1165666	200.000	169.807
21 Decane	43	4.760	4.760	(0.956)	969631	200.000	166.408

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
23 2-Chlorophenol	128	4.777	4.777	(0.960)	1363172	200.000	174.254
25 1,3-Dichlorobenzene	146	4.924	4.924	(0.989)	1533055	200.000	173.891
27 1,4-Dichlorobenzene	146	4.995	4.995	(1.004)	1539567	200.000	173.812
28 Benzyl alcohol	108	5.095	5.095	(1.024)	964030	200.000	188.254
30 1,2-Dichlorobenzene	146	5.142	5.142	(1.033)	1416529	200.000	172.168
32 2-Methylphenol	108	5.177	5.177	(1.040)	1346195	200.000	182.709
34 2,2'-oxybis(1-chloropropane)	45	5.200	5.200	(1.045)	1613867	200.000	185.365
35 1H-Indene	116	5.224	5.224	(1.050)	2071655	200.000	175.856
138 3-Methylphenol	108	5.330	5.330	(1.071)	1392551	200.000	181.506
36 4-Methylphenol	108	5.330	5.330	(1.071)	1392551	200.000	181.506
139 3 & 4-Methylphenol	108	5.330	5.330	(1.071)	1392551	200.000	181.506
37 N-nitrosodi-n-propylamine	70	5.341	5.341	(1.073)	949230	200.000	181.384
38 Acetophenone	105	5.359	5.359	(1.077)	1807502	200.000	177.225
41 Hexachloroethane	117	5.465	5.465	(1.098)	613543	200.000	181.286
44 Nitrobenzene	77	5.535	5.535	(0.890)	1415695	200.000	182.433
47 Isophorone	82	5.747	5.747	(0.924)	2521239	200.000	185.446
50 2,4-Dimethylphenol	107	5.847	5.847	(0.940)	1232015	200.000	170.718
49 2-Nitrophenol	139	5.841	5.841	(0.939)	683212	200.000	179.274
53 Benzoic acid	122	5.947	5.947	(0.956)	926186	200.000	214.643(AM)
52 Bis(2-chloroethoxy)methane	93	5.941	5.941	(0.955)	1513627	200.000	174.911
54 2,4-Dichlorophenol	162	6.064	6.064	(0.975)	1143580	200.000	180.705
56 n-Dodecane	43	6.135	6.135	(0.772)	1085522	200.000	181.535
57 1,2,4-Trichlorobenzene	180	6.158	6.158	(0.990)	1220070	200.000	169.050
59 Naphthalene	128	6.240	6.240	(1.003)	3703984	200.000	166.617
60 4-Chloroaniline	127	6.287	6.287	(1.010)	1711386	200.000	178.506
62 Hexachlorobutadiene	225	6.334	6.334	(1.018)	689057	200.000	179.483
67 Caprolactam	55	6.658	6.658	(1.070)	573884	200.000	215.294(A)
68 4-Chloro-3-methylphenol	107	6.746	6.746	(1.084)	1206344	200.000	182.656
71 2-Methylnaphthalene	142	6.928	6.928	(1.113)	2527795	200.000	166.259
72 1-Methylnaphthalene	142	7.028	7.028	(1.129)	2459259	200.000	167.567
74 Hexachlorocyclopentadiene	237	7.069	7.069	(0.890)	814393	200.000	195.962
78 2,4,6-Trichlorophenol	196	7.204	7.204	(0.907)	780583	200.000	182.174
79 2,3-Dichlorobenzeneamine	161	7.216	7.216	(0.908)	1283562	200.000	173.493
80 2,4,5-Trichlorophenol	196	7.239	7.239	(0.911)	880875	200.000	181.778
83 Tetradecane	43	7.304	7.304	(0.919)	1059291	200.000	180.491
86 2-Chloronaphthalene	162	7.421	7.421	(0.934)	2274629	200.000	169.822
88 2-Nitroaniline	65	7.521	7.521	(0.947)	756217	200.000	194.507
91 Dimethyl phthalate	163	7.662	7.662	(0.965)	2553478	200.000	172.987
93 2,6-Dinitrotoluene	165	7.739	7.739	(0.974)	666554	180.000	181.947
94 Acenaphthylene	152	7.821	7.821	(0.984)	3543830	200.000	167.071
95 3-Nitroaniline	138	7.915	7.915	(0.996)	819194	200.000	189.575
97 Acenaphthene	153	7.980	7.980	(1.004)	2239562	200.000	165.149
98 2,4-Dinitrophenol	184	7.997	7.997	(1.007)	463047	200.000	223.506(A)
99 4-Nitrophenol	109	8.038	8.038	(1.012)	467573	200.000	198.714
101 2,4-Dinitrotoluene	165	8.115	8.115	(1.021)	886776	200.000	187.718
102 Dibenzofuran	168	8.126	8.126	(1.023)	3108449	200.000	162.867
105 Hexadecane	57	8.256	8.256	(1.039)	1364488	200.000	175.864
107 Diethyl phthalate	149	8.285	8.285	(1.043)	2552533	200.000	172.403
109 4-Chlorophenyl phenyl ether	204	8.408	8.408	(1.058)	1256168	200.000	173.461
110 Fluorene	166	8.432	8.432	(1.061)	2626407	200.000	164.578
112 4-Nitroaniline	138	8.461	8.461	(1.065)	762156	200.000	180.630
113 4,6-Dinitro-2-methylphenol	198	8.467	8.467	(0.919)	523740	200.000	190.408
115 N-nitrosodiphenylamine	169	8.514	8.514	(0.924)	2241232	200.000	167.103
116 Azobenzene	77	8.544	8.544	(1.075)	2746139	200.000	175.935

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
234 1,2-DPH(as Azobenzene)	77	8.544	8.544	(1.075)	2746139	202.195	177.866
242 2,4,6 - Tribromophenol	330	8.643	8.643	(1.088)	664034	300.000	291.025(A)
124 4-Bromophenyl phenyl ether	248	8.826	8.826	(0.958)	776092	200.000	177.282
125 Hexachlorobenzene	284	8.890	8.890	(0.965)	820047	200.000	177.142
127 Atrazine	200	8.931	8.931	(0.969)	734010	200.000	176.237
128 n-Octadecane	85	9.014	9.014	(0.978)	664866	200.000	174.821
129 Pentachlorophenol	266	9.049	9.049	(0.982)	598306	200.000	191.809
136 Phenanthrene	178	9.237	9.237	(1.003)	3596192	200.000	158.645
137 Anthracene	178	9.278	9.278	(1.007)	3653129	200.000	160.339
140 Carbazole	167	9.401	9.401	(1.020)	3596232	200.000	162.219
141 Alachlor	188	9.454	9.454	(1.026)	538182	200.000	179.142
143 Di-n-butyl phthalate	149	9.595	9.595	(1.041)	4190312	200.000	171.258
144 n-Eicosane	43	9.654	9.654	(1.215)	981347	200.000	175.696
149 Fluoranthene	202	10.177	10.177	(1.105)	3996501	200.000	162.956
150 n-docosane	43	10.236	10.236	(1.288)	958961	200.000	177.252
151 Benzidine	184	10.259	10.259	(0.906)	2567742	200.000	191.983
152 Pyrene	202	10.365	10.365	(0.915)	4114793	200.000	175.480
158 Famphur	218	10.759	10.759	(0.950)	1255636	200.000	165.622
159 Butyl benzyl phthalate	149	10.776	10.776	(0.951)	1794285	200.000	177.172
162 Bis(2-ethylhexyl) phthalate	149	11.182	11.182	(0.987)	2818710	200.000	192.460
164 3 3'-Dichlorobenzidine	252	11.270	11.270	(0.995)	1604125	200.000	192.020
165 Benzo(a)anthracene	228	11.317	11.317	(0.999)	4174950	200.000	182.188(H)
167 Chrysene	228	11.352	11.352	(1.002)	3990597	200.000	174.591
168 Di-n-octyl phthalate	149	11.699	11.699	(1.033)	4947528	200.000	197.240
171 Benzo(b)fluoranthene	252	12.257	12.257	(0.968)	4834283	200.000	196.860(H)
172 Benzo(k)fluoranthene	252	12.280	12.280	(0.970)	4393061	200.000	158.852
178 Benzo(a)pyrene	252	12.604	12.604	(0.996)	4360266	200.000	184.143
185 Dibenz(a,h)anthracene	278	14.014	14.014	(1.107)	4138210	200.000	190.287
186 Indeno(1,2,3-cd)pyrene	276	14.025	14.025	(1.238)	5128501	200.000	206.824(A)
188 Benzo(g,h,i)perylene	276	14.448	14.448	(1.142)	4664450	200.000	196.468

QC Flag Legend

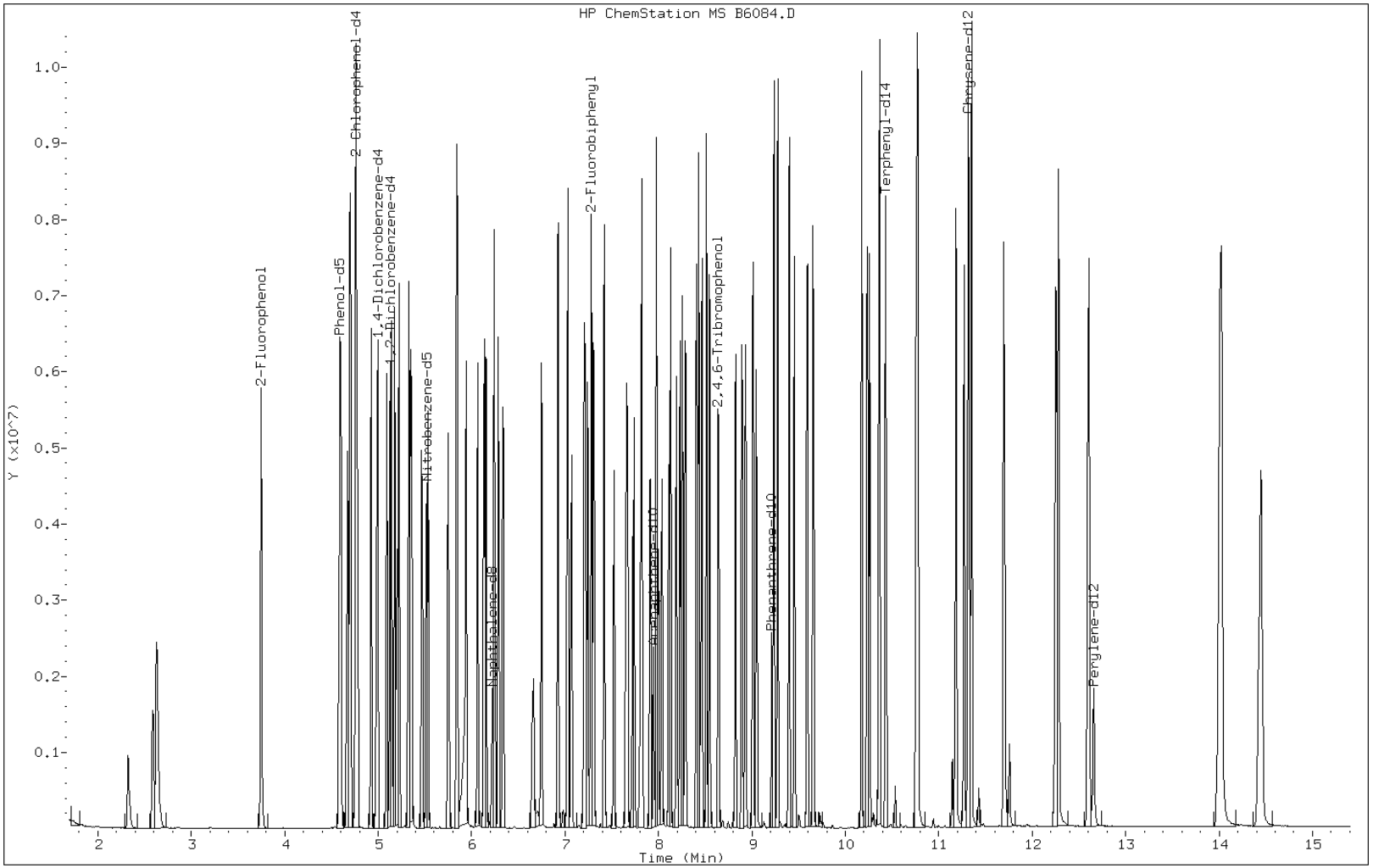
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: B6084.D

Date: 28-JUL-2011 18:15

Client ID: MS-HSL200_00011 Instrument: B.i

Sample Info: STD200-840623,,MS-HSL200_00011 Operator: KIEKELD



Manual Integration Report

Data File: B6084.D
Inj. Date and Time: 28-JUL-2011 18:15
Instrument ID: B.i
Client ID: MS-HSL200_00011
Compound: 53 Benzoic acid
CAS #: 65-85-0
Report Date: 08/01/2011

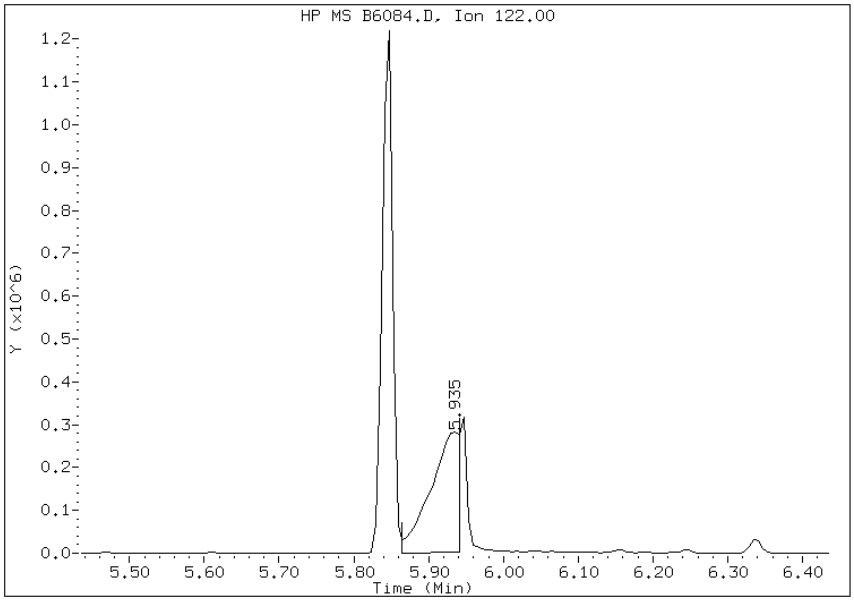
Processing Integration Results

RT: 5.94

Response: 770561

Amount: 0

Conc: 0



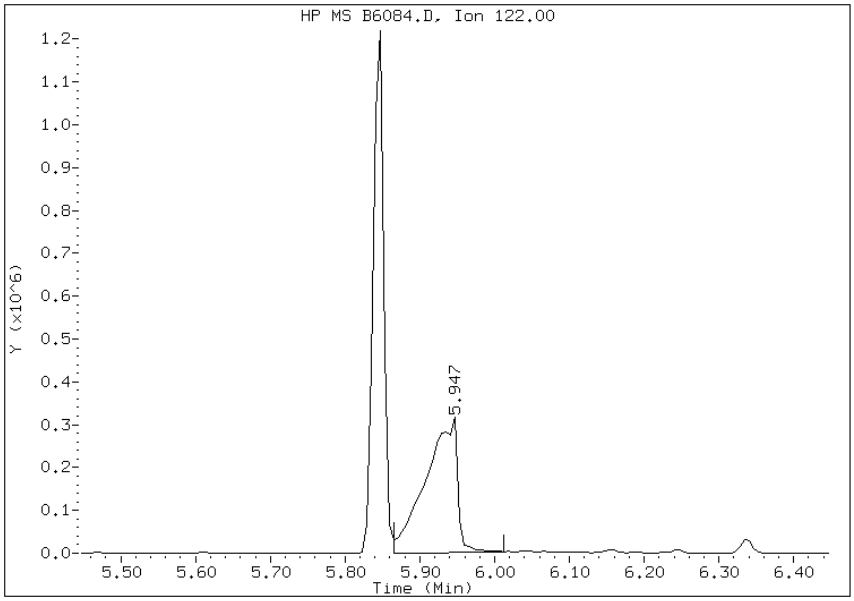
Manual Integration Results

RT: 5.95

Response: 926186

Amount: 215

Conc: 215



Manually Integrated By: kiekeld
Modification Date: 29-Jul-2011 15:54
Manual Integration Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Lab Sample ID: ICV 280-79173/10 Calibration Date: 07/28/2011 18:35

Instrument ID: MSS_B Calib Start Date: 07/28/2011 15:50

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 07/28/2011 18:15

Lab File ID: B6085.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6203	0.6047		78.0	80.0	-2.5	35.0
N-Nitrosodimethylamine	Ave	0.9119	0.9416		82.6	80.0	3.3	25.0
Pyridine	Ave	1.643	1.634		79.5	80.0	-0.6	35.0
Phenol	Ave	1.802	1.770		78.6	80.0	-1.8	25.0
Aniline	Ave	2.219	2.086		75.2	80.0	-6.0	35.0
Bis(2-chloroethyl)ether	Ave	1.290	1.302		80.7	80.0	0.9	25.0
2-Chlorophenol	Ave	1.471	1.471		80.0	80.0	0.0	25.0
1,3-Dichlorobenzene	Ave	1.657	1.629		78.6	80.0	-1.7	25.0
1,4-Dichlorobenzene	Ave	1.665	1.649		79.2	80.0	-1.0	25.0
Benzyl alcohol	Ave	0.9627	0.9702		80.6	80.0	0.8	25.0
1,2-Dichlorobenzene	Ave	1.547	1.584		81.9	80.0	2.4	25.0
2-Methylphenol	Ave	1.385	1.370		79.1	80.0	-1.1	25.0
2,2'-oxybis[1-chloropropane]	Ave	1.637	1.632		690	80.0	-0.3	25.0
4-Methylphenol	Ave	1.442	1.408		78.1	80.0	-2.4	35.0
N-Nitrosodi-n-propylamine	Ave	0.9838	1.004	0.0500	81.6	80.0	2.0	25.0
Acetophenone	Ave	1.917	1.874		78.2	80.0	-2.3	35.0
Hexachloroethane	Ave	0.6362	0.6401		80.5	80.0	0.6	25.0
Nitrobenzene	Ave	0.3603	0.3695		82.0	80.0	2.5	25.0
Isophorone	Ave	0.6313	0.6478		82.1	80.0	2.6	25.0
2,4-Dimethylphenol	Ave	0.3351	0.3373		80.5	80.0	0.7	25.0
2-Nitrophenol	Ave	0.1769	0.1832		82.8	80.0	3.6	25.0
Benzoic acid	Ave	0.2003	0.2249		89.8	80.0	12.2	25.0
Bis(2-chloroethoxy)methane	Ave	0.4018	0.4025		80.1	80.0	0.2	25.0
2,4-Dichlorophenol	Ave	0.2938	0.2948		80.3	80.0	0.3	25.0
1,2,4-Trichlorobenzene	Ave	0.3351	0.3119		74.5	80.0	-6.9	25.0
Naphthalene	Ave	1.032	1.000		77.5	80.0	-3.1	25.0
4-Chloroaniline	Ave	0.4451	0.4381		78.7	80.0	-1.6	25.0
Hexachlorobutadiene	Ave	0.1783	0.1806		81.1	80.0	1.3	25.0
Caprolactam	Ave	0.1238	0.1352		87.4	80.0	9.2	35.0
4-Chloro-3-methylphenol	Ave	0.3066	0.2976		77.6	80.0	-3.0	25.0
2-Methylnaphthalene	Ave	0.7059	0.6791		77.0	80.0	-3.8	25.0
1-Methylnaphthalene	Ave	0.6814	0.6550		76.9	80.0	-3.9	35.0
Hexachlorocyclopentadiene	Ave	0.3412	0.3821		89.6	80.0	12.0	25.0
2,4,6-Trichlorophenol	Ave	0.3518	0.3542		80.5	80.0	0.7	25.0
2,4,5-Trichlorophenol	Ave	0.3979	0.3851		77.4	80.0	-3.2	25.0
2-Chloronaphthalene	Ave	1.100	1.083		78.8	80.0	-1.6	25.0
2-Nitroaniline	Ave	0.3192	0.3326		83.4	80.0	4.2	25.0
Dimethyl phthalate	Ave	1.212	1.208		79.7	80.0	-0.4	25.0
2,6-Dinitrotoluene	Ave	0.3008	0.2945		78.3	80.0	-2.1	25.0
Acenaphthylene	Ave	1.742	1.756		80.6	80.0	0.8	25.0
3-Nitroaniline	Ave	0.3548	0.3628		81.8	80.0	2.3	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Lab Sample ID: ICV 280-79173/10 Calibration Date: 07/28/2011 18:35

Instrument ID: MSS_B Calib Start Date: 07/28/2011 15:50

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 07/28/2011 18:15

Lab File ID: B6085.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acenaphthene	Ave	1.114	1.068		76.8	80.0	-4.1	25.0
2,4-Dinitrophenol	Ave	0.1701	0.1749	0.0500	82.3	80.0	2.8	25.0
4-Nitrophenol	Ave	0.1932	0.1978	0.0500	81.9	80.0	2.4	25.0
2,4-Dinitrotoluene	Ave	0.3879	0.3995		82.4	80.0	3.0	25.0
Dibenzofuran	Ave	1.567	1.532		78.2	80.0	-2.3	25.0
Diethyl phthalate	Ave	1.216	1.203		79.1	80.0	-1.1	25.0
4-Chlorophenyl phenyl ether	Ave	0.5946	0.5960		80.2	80.0	0.2	25.0
Fluorene	Ave	1.310	1.260		76.9	80.0	-3.8	25.0
4-Nitroaniline	Ave	0.3465	0.3648		84.2	80.0	5.3	25.0
4,6-Dinitro-2-methylphenol	Ave	0.1334	0.1374		82.4	80.0	3.0	25.0
N-Nitrosodiphenylamine	Ave	0.6505	0.6200		65.1	68.3	-4.7	25.0
1,2-Diphenylhydrazine	Ave	1.268	1.279		81.6	80.9	0.9	25.0
4-Bromophenyl phenyl ether	Ave	0.2123	0.2134		80.4	80.0	0.5	25.0
Hexachlorobenzene	Ave	0.2245	0.2259		80.5	80.0	0.6	25.0
Atrazine	Ave	0.2020	0.1743		69.0	80.0	-13.7	35.0
Pentachlorophenol	Ave	0.1513	0.1450		76.7	80.0	-4.2	25.0
Phenanthrene	Ave	1.099	1.052		76.5	80.0	-4.3	25.0
Anthracene	Ave	1.105	1.067		77.3	80.0	-3.4	25.0
Carbazole	Ave	1.075	1.027		76.4	80.0	-4.5	25.0
Di-n-butyl phthalate	Ave	1.187	1.225		82.6	80.0	3.2	25.0
Fluoranthene	Ave	1.189	1.152		77.5	80.0	-3.1	25.0
Pyrene	Ave	1.135	1.110		78.2	80.0	-2.3	25.0
Butyl benzyl phthalate	Ave	0.4903	0.5268		86.0	80.0	7.4	25.0
Bis(2-ethylhexyl) phthalate	Lin2	0.6485	0.7192		82.1	80.0	2.6	25.0
Benzo[a]anthracene	Ave	1.109	1.055		76.1	80.0	-4.9	25.0
Chrysene	Ave	1.107	1.073		77.5	80.0	-3.1	25.0
Di-n-octyl phthalate	Lin2	1.072	1.204		80.6	80.0	0.8	25.0
Benzo[b]fluoranthene	Ave	1.116	1.139		81.6	80.0	2.0	25.0
Benzo[k]fluoranthene	Ave	1.257	1.220		77.7	80.0	-2.9	25.0
Benzo[a]pyrene	Ave	1.076	1.011		75.2	80.0	-6.1	25.0
Dibenz(a,h)anthracene	Ave	0.9885	1.018		82.4	80.0	3.0	25.0
Indeno[1,2,3-cd]pyrene	Ave	1.200	1.210		80.6	80.0	0.8	25.0
Benzo[g,h,i]perylene	Ave	1.079	1.098		81.4	80.0	1.7	25.0
2-Fluorophenol (Surr)	Ave	1.404	1.392		119	120	-0.9	25.0
Phenol-d5 (Surr)	Ave	1.727	1.697		118	120	-1.7	25.0
Nitrobenzene-d5 (Surr)	Ave	0.3679	0.3668		79.8	80.0	-0.3	25.0
2-Fluorobiphenyl	Ave	1.229	1.201		78.2	80.0	-2.2	25.0
2,4,6-Tribromophenol (Surr)	Ave	0.1874	0.1914		123	120	2.2	25.0
Terphenyl-d14 (Surr)	Ave	0.7534	0.7294		77.5	80.0	-3.2	25.0

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\B.i\072811b.b\B6085.D
Lab Smp Id: ICV-885219 Client Smp ID: MS-HSLSSV080_00019
Inj Date : 28-JUL-2011 18:35
Operator : KIEKELD Inst ID: B.i
Smp Info : ICV-885219,,MS-HSLSSV080_00019
Misc Info :
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\B.i\072811b.b\8270C.m
Meth Date : 01-Aug-2011 07:38 B.i Quant Type: ISTD
Cal Date : 28-JUL-2011 18:15 Cal File: B6084.D
Als bottle: 9 QC Sample: SSV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSLSSV.sub
Target Version: 4.14
Processing Host: DENPC307

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 26 1,4-Dichlorobenzene-d4	152	4.977	4.977	(1.000)	214964	40.0000	
* 58 Naphthalene-d8	136	6.217	6.223	(1.000)	868623	40.0000	
* 96 Acenaphthene-d10	164	7.944	7.944	(1.000)	499647	40.0000	
* 135 Phenanthrene-d10	188	9.213	9.213	(1.000)	844873	40.0000	
* 166 Chrysene-d12	240	11.311	11.329	(1.000)	914142	40.0000	
* 179 Perylene-d12	264	12.644	12.656	(1.000)	887159	40.0000	
$ 43 Nitrobenzene-d5	82	5.512	5.518	(0.887)	637145	79.7544	79.7544
$ 81 2-Fluorobiphenyl	172	7.280	7.280	(0.916)	1200603	78.2062	78.2062
$ 154 Terphenyl-d14	244	10.423	10.430	(0.922)	1333622	77.4525	77.4525
$ 8 2-Fluorophenol	112	3.749	3.749	(0.753)	897671	118.935	118.935
$ 15 Phenol-d5	99	4.583	4.589	(0.921)	1094530	117.961	117.961
$ 118 2,4,6-Tribromophenol	330	8.637	8.643	(1.087)	286963	122.619	122.619
6 Pyridine	79	2.627	2.627	(0.528)	702294	79.5479	79.5479
5 N-Nitrosodimethylamine	74	2.586	2.586	(0.520)	404828	82.6066	82.6066
18 Aniline	93	4.666	4.672	(0.937)	896683	75.1763	75.1763
16 Phenol	94	4.595	4.601	(0.923)	760951	78.5776	78.5776
20 Bis(2-chloroethyl) ether	93	4.701	4.707	(0.945)	559948	80.7417	80.7417
23 2-Chlorophenol	128	4.771	4.777	(0.959)	632486	80.0297	80.0297
25 1,3-Dichlorobenzene	146	4.924	4.924	(0.989)	700374	78.6354	78.6354
27 1,4-Dichlorobenzene	146	4.989	4.995	(1.002)	708780	79.2066	79.2066
28 Benzyl alcohol	108	5.089	5.095	(1.022)	417093	80.6223	80.6223
30 1,2-Dichlorobenzene	146	5.141	5.142	(1.033)	681049	81.9358	81.9358

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
32 2-Methylphenol	108	5.171	5.177	(1.039)	589090	79.1411	79.1411
35 1H-Indene	116	5.224	5.224	(1.050)	946593	79.5374	79.5374
34 2,2'-oxybis(1-chloropropane)	45	5.200	5.200	(1.045)	701748	79.7830	79.7830
138 3-Methylphenol	108	5.318	5.330	(1.068)	605495	78.1193	78.1193
36 4-Methylphenol	108	5.318	5.330	(1.068)	605495	78.1193	78.1193
139 3 & 4-Methylphenol	108	5.318	5.330	(1.068)	605495	78.1193	78.1193
37 N-nitrosodi-n-propylamine	70	5.335	5.341	(1.072)	431623	81.6398	81.6398
38 Acetophenone	105	5.353	5.359	(1.076)	805734	78.1999	78.1999
41 Hexachloroethane	117	5.465	5.465	(1.098)	275204	80.4905	80.4905
44 Nitrobenzene	77	5.529	5.535	(0.889)	641828	82.0306	82.0306
47 Isophorone	82	5.741	5.747	(0.923)	1125328	82.0929	82.0929
49 2-Nitrophenol	139	5.841	5.841	(0.940)	318328	82.8436	82.8436
50 2,4-Dimethylphenol	107	5.841	5.847	(0.940)	585944	80.5274	80.5274
52 Bis(2-chloroethoxy)methane	93	5.940	5.941	(0.956)	699270	80.1431	80.1431
53 Benzoic acid	122	5.911	5.947	(0.951)	390629	89.7855	89.7855
54 2,4-Dichlorophenol	162	6.064	6.064	(0.975)	512142	80.2634	80.2634
57 1,2,4-Trichlorobenzene	180	6.152	6.158	(0.990)	541886	74.4666	74.4666
59 Naphthalene	128	6.240	6.240	(1.004)	1737608	77.5221	77.5221
60 4-Chloroaniline	127	6.287	6.287	(1.011)	761059	78.7310	78.7310
62 Hexachlorobutadiene	225	6.334	6.334	(1.019)	313810	81.0697	81.0697
68 4-Chloro-3-methylphenol	107	6.740	6.746	(1.084)	517012	77.6404	77.6404
71 2-Methylnaphthalene	142	6.922	6.928	(1.113)	1179766	76.9596	76.9596
72 1-Methylnaphthalene	142	7.027	7.028	(1.130)	1137877	76.8959	76.8959
74 Hexachlorocyclopentadiene	237	7.069	7.069	(0.890)	381822	89.5755	89.5755
78 2,4,6-Trichlorophenol	196	7.204	7.204	(0.907)	353937	80.5348	80.5348
80 2,4,5-Trichlorophenol	196	7.239	7.239	(0.911)	384804	77.4211	77.4211
86 2-Chloronaphthalene	162	7.415	7.421	(0.933)	1082005	78.7596	78.7596
88 2-Nitroaniline	65	7.521	7.521	(0.947)	332377	83.3510	83.3510
91 Dimethyl phthalate	163	7.656	7.662	(0.964)	1206901	79.7156	79.7156
93 2,6-Dinitrotoluene	165	7.733	7.739	(0.973)	294290	78.3207	78.3206
94 Acenaphthylene	152	7.815	7.821	(0.984)	1754318	80.6359	80.6358
95 3-Nitroaniline	138	7.903	7.915	(0.995)	362564	81.8034	81.8034
97 Acenaphthene	153	7.973	7.980	(1.004)	1067616	76.7573	76.7573
98 2,4-Dinitrophenol	184	7.991	7.997	(1.006)	174786	82.2549	82.2549
99 4-Nitrophenol	109	8.026	8.038	(1.010)	197626	81.8869	81.8869
101 2,4-Dinitrotoluene	165	8.103	8.115	(1.020)	399243	82.3989	82.3989
102 Dibenzofuran	168	8.126	8.126	(1.023)	1530593	78.1882	78.1882
107 Diethyl phthalate	149	8.279	8.285	(1.042)	1201820	79.1414	79.1414
109 4-Chlorophenyl phenyl ether	204	8.402	8.408	(1.058)	595562	80.1812	80.1812
110 Fluorene	166	8.426	8.432	(1.061)	1259333	76.9384	76.9384
112 4-Nitroaniline	138	8.449	8.461	(1.064)	364533	84.2314	84.2314
113 4,6-Dinitro-2-methylphenol	198	8.461	8.467	(0.918)	232156	82.3896	82.3896
115 N-nitrosodiphenylamine	169	8.508	8.514	(0.923)	894715	65.1187	65.1187
116 Azobenzene	77	8.543	8.544	(1.075)	1291667	80.6811	80.6811
234 1,2-DPH(as Azobenzene)	77	8.543	8.544	(1.075)	1291667	81.5665	81.5665
242 2,4,6 - Tribromophenol	330	8.637	8.643	(1.087)	286963	122.619	122.619
124 4-Bromophenyl phenyl ether	248	8.819	8.826	(0.957)	360529	80.3921	80.3920
125 Hexachlorobenzene	284	8.890	8.890	(0.965)	381711	80.4898	80.4898
129 Pentachlorophenol	266	9.049	9.049	(0.982)	244992	76.6691	76.6691
136 Phenanthrene	178	9.231	9.237	(1.002)	1777357	76.5387	76.5387
137 Anthracene	178	9.272	9.278	(1.006)	1803171	77.2563	77.2563
140 Carbazole	167	9.395	9.401	(1.020)	1735920	76.4373	76.4373
143 Di-n-butyl phthalate	149	9.589	9.595	(1.041)	2069211	82.5530	82.5530
149 Fluoranthene	202	10.171	10.177	(1.104)	1946771	77.4867	77.4867

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
152 Pyrene	202	10.359	10.365	(0.916)	2028647	78.1951	78.1951
159 Butyl benzyl phthalate	149	10.764	10.776	(0.952)	963107	85.9552	85.9552
165 Benzo(a)anthracene	228	11.299	11.317	(0.999)	1928327	76.0577	76.0577(H)
167 Chrysene	228	11.334	11.352	(1.002)	1960958	77.5438	77.5438
162 Bis(2-ethylhexyl) phthalate	149	11.170	11.182	(0.988)	1314828	82.0923	82.0923
168 Di-n-octyl phthalate	149	11.681	11.699	(1.033)	2201211	80.6447	80.6447
171 Benzo(b)fluoranthene	252	12.233	12.257	(0.967)	2020061	81.5928	81.5928(H)
172 Benzo(k)fluoranthene	252	12.257	12.280	(0.969)	2165074	77.6537	77.6537
178 Benzo(a)pyrene	252	12.580	12.604	(0.995)	1794223	75.1592	75.1592
186 Indeno(1,2,3-cd)pyrene	276	13.990	14.025	(1.237)	2211824	80.6223	80.6223
185 Dibenz(a,h)anthracene	278	13.984	14.014	(1.106)	1806603	82.3992	82.3992
188 Benzo(g,h,i)perylene	276	14.413	14.448	(1.140)	1948085	81.3883	81.3883
19 Methyl Styrene	118	4.695	4.695	(0.943)	618164	79.0634	79.0634
141 Alachlor	188	9.454	9.454	(1.026)	252373	82.0039	82.0039
127 Atrazine	200	8.925	8.931	(0.969)	294561	69.0386	69.0386
67 Caprolactam	55	6.634	6.658	(1.067)	234901	87.4011	87.4011
79 2,3-Dichlorobenzeneamine	161	7.215	7.216	(0.908)	605766	79.8293	79.8293
21 Decane	43	4.760	4.760	(0.956)	500353	84.9991	84.9991
56 n-Dodecane	43	6.128	6.135	(0.771)	485941	79.2314	79.2314
83 Tetradecane	43	7.304	7.304	(0.919)	479273	79.6187	79.6187
128 n-Octadecane	85	9.007	9.014	(0.978)	315344	80.9408	80.9408
144 n-Eicosane	43	9.654	9.654	(1.215)	459932	80.2833	80.2833
150 n-docosane	43	10.230	10.236	(1.288)	462550	83.3565	83.3565
4 1,4-Dioxane	88	2.321	2.321	(0.466)	259984	77.9892	77.9892

QC Flag Legend

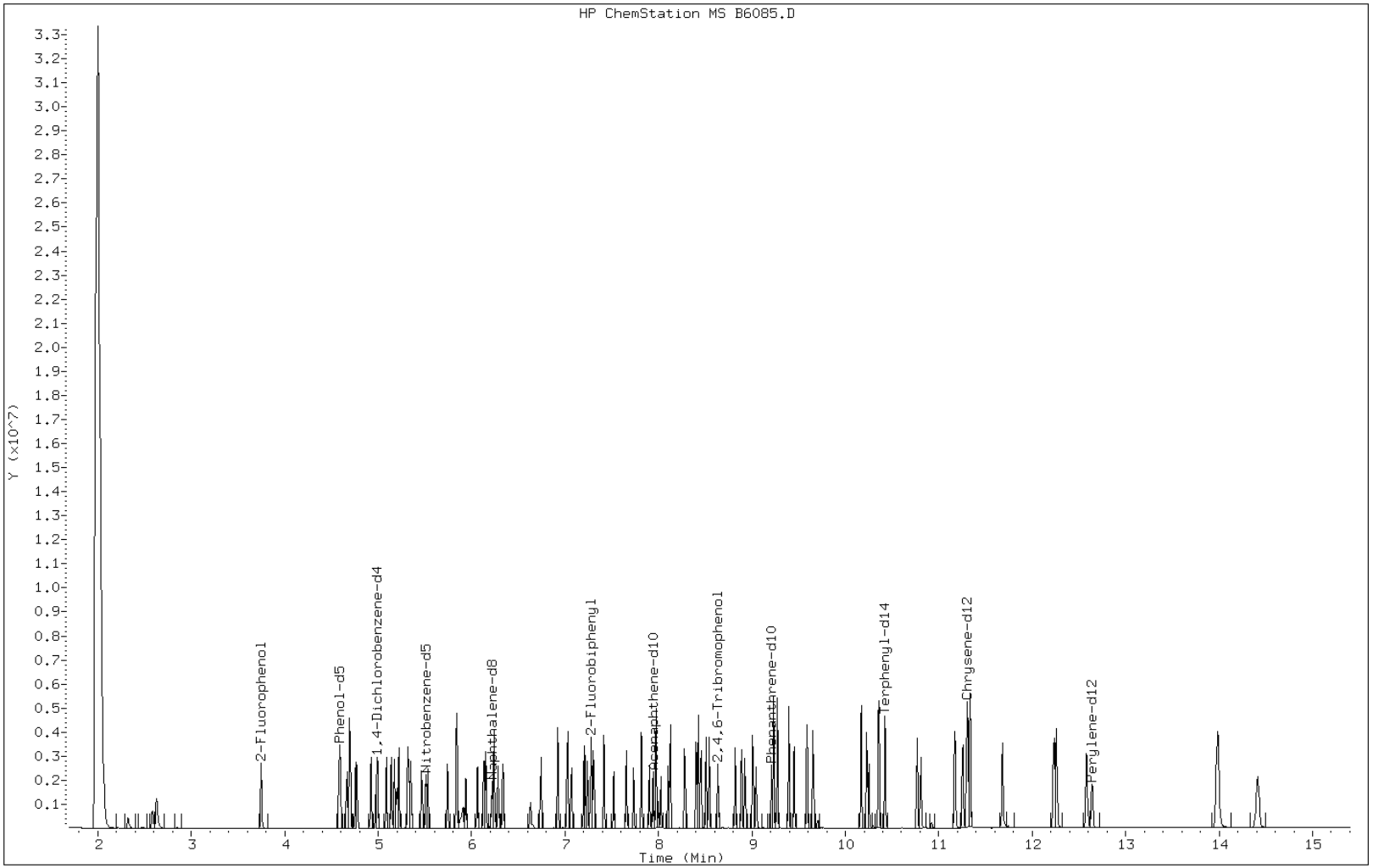
H - Operator selected an alternate compound hit.

Data File: B6085.D

Date: 28-JUL-2011 18:35

Client ID: MS-HSLSSV080_00019 Instrument: B.i

Sample Info: ICV-885219,,MS-HSLSSV080_00019 Operator: KIEKELD



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Lab Sample ID: CCV 280-83845/2 Calibration Date: 08/30/2011 13:36

Instrument ID: MSS_B Calib Start Date: 07/28/2011 15:50

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 07/28/2011 18:15

Lab File ID: B6639.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6203	0.6130		79.1	80.0	-1.2	35.0
N-Nitrosodimethylamine	Ave	0.9119	0.9240		81.1	80.0	1.3	35.0
Pyridine	Ave	1.643	1.512		73.7	80.0	-7.9	35.0
Phenol	Ave	1.802	1.795		79.7	80.0	-0.4	20.0
Aniline	Ave	2.219	2.227		80.3	80.0	0.4	35.0
Bis(2-chloroethyl)ether	Ave	1.290	1.340		83.1	80.0	3.8	35.0
2-Chlorophenol	Ave	1.471	1.489		81.0	80.0	1.2	35.0
1,3-Dichlorobenzene	Ave	1.657	1.662		80.2	80.0	0.3	35.0
1,4-Dichlorobenzene	Ave	1.665	1.666		80.0	80.0	0.0	20.0
Benzyl alcohol	Ave	0.9627	0.9757		81.1	80.0	1.4	35.0
1,2-Dichlorobenzene	Ave	1.547	1.544		79.8	80.0	-0.2	35.0
2-Methylphenol	Ave	1.385	1.356		78.3	80.0	-2.1	35.0
2,2'-oxybis[1-chloropropane]	Ave	1.637	1.643		690	80.0	0.4	35.0
N-Nitrosodi-n-propylamine	Ave	0.9838	0.9758	0.0500	79.4	80.0	-0.8	35.0
3 & 4 Methylphenol	Ave	1.442	1.383		76.7	80.0	-4.1	35.0
4-Methylphenol	Ave	1.442	1.383		76.7	80.0	-4.1	35.0
Acetophenone	Ave	1.917	1.918		80.0	80.0	0.0	35.0
Hexachloroethane	Ave	0.6362	0.6592		82.9	80.0	3.6	35.0
Nitrobenzene	Ave	0.3603	0.3706		82.3	80.0	2.9	35.0
Isophorone	Ave	0.6313	0.6527		82.7	80.0	3.4	35.0
2-Nitrophenol	Ave	0.1769	0.2007		90.7	80.0	13.4	20.0
2,4-Dimethylphenol	Ave	0.3351	0.3591		85.7	80.0	7.2	35.0
Benzoic acid	Ave	0.2003	0.1566		62.5	80.0	-21.8	35.0
Bis(2-chloroethoxy)methane	Ave	0.4018	0.4077		81.2	80.0	1.5	35.0
2,4-Dichlorophenol	Ave	0.2938	0.3019		82.2	80.0	2.7	20.0
1,2,4-Trichlorobenzene	Ave	0.3351	0.3218		76.8	80.0	-4.0	35.0
Naphthalene	Ave	1.032	1.019		79.0	80.0	-1.3	35.0
4-Chloroaniline	Ave	0.4451	0.4595		82.6	80.0	3.2	35.0
Hexachlorobutadiene	Ave	0.1783	0.1877		84.2	80.0	5.3	20.0
Caprolactam	Ave	0.1238	0.0766		49.5	80.0	-38.1*	35.0
4-Chloro-3-methylphenol	Ave	0.3066	0.3022		78.8	80.0	-1.5	20.0
2-Methylnaphthalene	Ave	0.7059	0.7084		80.3	80.0	0.4	35.0
1-Methylnaphthalene	Ave	0.6814	0.6705		78.7	80.0	-1.6	35.0
Hexachlorocyclopentadiene	Ave	0.3412	0.3488		81.8	80.0	2.2	35.0
2,4,6-Trichlorophenol	Ave	0.3518	0.3429		78.0	80.0	-2.5	20.0
2,4,5-Trichlorophenol	Ave	0.3979	0.3699		74.4	80.0	-7.0	35.0
2-Chloronaphthalene	Ave	1.100	1.120		81.4	80.0	1.8	35.0
2-Nitroaniline	Ave	0.3192	0.3435		86.1	80.0	7.6	35.0
Dimethyl phthalate	Ave	1.212	1.231		81.2	80.0	1.5	35.0
2,6-Dinitrotoluene	Ave	0.3008	0.3042		80.9	80.0	1.1	35.0
Acenaphthylene	Ave	1.742	1.771		81.3	80.0	1.7	35.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Lab Sample ID: CCV 280-83845/2 Calibration Date: 08/30/2011 13:36

Instrument ID: MSS_B Calib Start Date: 07/28/2011 15:50

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 07/28/2011 18:15

Lab File ID: B6639.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3-Nitroaniline	Ave	0.3548	0.3588		80.9	80.0	1.1	35.0
Acenaphthene	Ave	1.114	1.111		79.8	80.0	-0.2	20.0
2,4-Dinitrophenol	Ave	0.1701	0.1227	0.0500	57.7	80.0	-27.9	35.0
4-Nitrophenol	Ave	0.1932	0.1969	0.0500	81.5	80.0	1.9	35.0
2,4-Dinitrotoluene	Ave	0.3879	0.4054		83.6	80.0	4.5	35.0
Dibenzofuran	Ave	1.567	1.553		79.3	80.0	-0.9	35.0
Diethyl phthalate	Ave	1.216	1.241		81.7	80.0	2.1	35.0
4-Chlorophenyl phenyl ether	Ave	0.5946	0.6135		82.5	80.0	3.2	35.0
Fluorene	Ave	1.310	1.296		79.1	80.0	-1.1	35.0
4-Nitroaniline	Ave	0.3465	0.3588		82.8	80.0	3.6	35.0
4,6-Dinitro-2-methylphenol	Ave	0.1334	0.1417		85.0	80.0	6.2	35.0
N-Nitrosodiphenylamine	Ave	0.6505	0.6677		82.1	80.0	2.6	20.0
1,2-Diphenylhydrazine	Ave	1.268	1.302		83.1	80.9	2.7	35.0
4-Bromophenyl phenyl ether	Ave	0.2123	0.2267		85.4	80.0	6.8	35.0
Hexachlorobenzene	Ave	0.2245	0.2434		86.7	80.0	8.4	35.0
Atrazine	Ave	0.2020	0.2164		85.7	80.0	7.1	35.0
Pentachlorophenol	Ave	0.1513	0.1425		75.4	80.0	-5.8	20.0
Phenanthrene	Ave	1.099	1.095		79.7	80.0	-0.4	35.0
Anthracene	Ave	1.105	1.122		81.2	80.0	1.5	35.0
Carbazole	Ave	1.075	1.075		80.0	80.0	-0.0	35.0
Di-n-butyl phthalate	Ave	1.187	1.252		84.4	80.0	5.5	35.0
Fluoranthene	Ave	1.189	1.219		82.0	80.0	2.4	20.0
Benzidine	Ave	0.6475	0.7010		86.6	80.0	8.3	35.0
Pyrene	Ave	1.135	1.168		82.3	80.0	2.9	35.0
Famphur	Ave	0.3670	0.4291		93.5	80.0	16.9	35.0
Butyl benzyl phthalate	Ave	0.4903	0.5106		83.3	80.0	4.1	35.0
Bis(2-ethylhexyl) phthalate	Lin2	0.6485	0.7347		83.8	80.0	4.8	35.0
3,3'-Dichlorobenzidine	Ave	0.4044	0.4420		87.4	80.0	9.3	35.0
Benzo[a]anthracene	Ave	1.109	1.144		82.5	80.0	3.2	35.0
Chrysene	Ave	1.107	1.112		80.4	80.0	0.5	35.0
Di-n-octyl phthalate	Lin2	1.072	1.259		84.2	80.0	5.3	20.0
Benzo[b]fluoranthene	Ave	1.116	1.108		79.4	80.0	-0.7	35.0
Benzo[k]fluoranthene	Ave	1.257	1.358		86.4	80.0	8.1	35.0
Benzo[a]pyrene	Ave	1.076	1.140		84.7	80.0	5.9	20.0
Dibenz(a,h)anthracene	Ave	0.9885	1.086		87.9	80.0	9.9	35.0
Indeno[1,2,3-cd]pyrene	Ave	1.200	1.307		87.1	80.0	8.9	35.0
Benzo[g,h,i]perylene	Ave	1.079	1.152		85.4	80.0	6.8	35.0
2-Fluorophenol (Surr)	Ave	1.404	1.459		125	120	3.9	35.0
Phenol-d5 (Surr)	Ave	1.727	1.769		123	120	2.5	35.0
Nitrobenzene-d5 (Surr)	Ave	0.3679	0.3891		84.6	80.0	5.8	35.0
2-Fluorobiphenyl	Ave	1.229	1.278		83.2	80.0	4.0	35.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Lab Sample ID: CCV 280-83845/2 Calibration Date: 08/30/2011 13:36

Instrument ID: MSS_B Calib Start Date: 07/28/2011 15:50

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 07/28/2011 18:15

Lab File ID: B6639.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,6-Tribromophenol (Surr)	Ave	0.1874	0.2077		133	120	10.8	35.0
Terphenyl-d14 (Surr)	Ave	0.7534	0.7998		84.9	80.0	6.2	35.0

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\B.i\083011.B\B6639.D
Lab Smp Id: CCV-921008 Client Smp ID: MS-HSL080_00030
Inj Date : 30-AUG-2011 13:36
Operator : KIEKELD Inst ID: B.i
Smp Info : CCV-921008,,MS-HSL080_00030
Misc Info :
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\B.i\083011.B\8270C.m
Meth Date : 30-Aug-2011 13:56 B.i Quant Type: ISTD
Cal Date : 29-AUG-2011 11:42 Cal File: B6600.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1-HSL.sub
Target Version: 4.14
Processing Host: DENPC307

Concentration Formula: Amt * DF * Vf/Vs * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Vs	1000.000	volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 26 1,4-Dichlorobenzene-d4	152	4.907	4.907	(1.000)	251217	40.0000	
* 58 Naphthalene-d8	136	6.170	6.170	(1.000)	1002871	40.0000	
* 96 Acenaphthene-d10	164	7.898	7.898	(1.000)	568960	40.0000	
* 135 Phenanthrene-d10	188	9.167	9.167	(1.000)	936033	40.0000	
* 166 Chrysene-d12	240	11.317	11.317	(1.000)	1003098	40.0000	
* 179 Perylene-d12	264	12.633	12.633	(1.000)	997884	40.0000	
$ 22 2-Chlorophenol-d4	132	4.696	4.696	(0.957)	1049168	120.000	124.819
$ 29 1,2-Dichlorobenzene-d4	152	5.060	5.060	(1.031)	506602	80.0000	82.2330
$ 8 2-Fluorophenol	112	3.644	3.644	(0.743)	1099579	120.000	124.663
$ 15 Phenol-d5	99	4.537	4.537	(0.925)	1333264	120.000	122.954
$ 43 Nitrobenzene-d5	82	5.454	5.454	(0.884)	780437	80.0000	84.6136
$ 81 2-Fluorobiphenyl	172	7.234	7.234	(0.916)	1454720	80.0000	83.2152
$ 118 2,4,6-Tribromophenol	330	8.591	8.591	(1.088)	354437	120.000	133.000
$ 154 Terphenyl-d14	244	10.401	10.401	(0.919)	1604626	80.0000	84.9272
4 1,4-Dioxane	88	2.028	2.028	(0.413)	307991	80.0000	79.0574
5 N-Nitrosodimethylamine	74	2.334	2.334	(0.476)	464267	80.0000	81.0642
6 Pyridine	79	2.381	2.381	(0.485)	759913	80.0000	73.6530
16 Phenol	94	4.549	4.549	(0.927)	902046	80.0000	79.7054
18 Aniline	93	4.590	4.590	(0.935)	1119098	80.0000	80.2836
19 Methyl Styrene	118	4.619	4.619	(0.941)	746520	80.0000	81.7015
20 Bis(2-chloroethyl) ether	93	4.631	4.631	(0.944)	673131	80.0000	83.0552
21 Decane	43	4.690	4.690	(0.956)	563167	80.0000	81.8638

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
23 2-Chlorophenol	128	4.707	4.707	(0.959)	747954	80.0000	80.9826
25 1,3-Dichlorobenzene	146	4.854	4.854	(0.989)	834950	80.0000	80.2168
27 1,4-Dichlorobenzene	146	4.925	4.925	(1.004)	836965	80.0000	80.0339
28 Benzyl alcohol	108	5.031	5.031	(1.025)	490210	80.0000	81.0814
30 1,2-Dichlorobenzene	146	5.078	5.078	(1.035)	775528	80.0000	79.8380
32 2-Methylphenol	108	5.130	5.130	(1.045)	681090	80.0000	78.2964
34 2,2'-oxybis(1-chloropropane)	45	5.142	5.142	(1.048)	825436	80.0000	80.3026(Q)
35 1H-Indene	116	5.160	5.160	(1.051)	1130788	80.0000	81.3029
138 3-Methylphenol	108	5.283	5.283	(1.077)	694892	80.0000	76.7153(Q)
36 4-Methylphenol	108	5.283	5.283	(1.077)	694892	80.0000	76.7153(Q)
139 3 & 4-Methylphenol	108	5.283	5.283	(1.077)	694892	80.0000	76.7153(Q)
37 N-nitrosodi-n-propylamine	70	5.277	5.277	(1.075)	490283	80.0000	79.3525
38 Acetophenone	105	5.295	5.295	(1.079)	963788	80.0000	80.0410
41 Hexachloroethane	117	5.407	5.407	(1.102)	331198	80.0000	82.8885
44 Nitrobenzene	77	5.477	5.477	(0.888)	743353	80.0000	82.2884
47 Isophorone	82	5.689	5.689	(0.922)	1309075	80.0000	82.7136
50 2,4-Dimethylphenol	107	5.800	5.800	(0.940)	720218	80.0000	85.7310
49 2-Nitrophenol	139	5.789	5.789	(0.938)	402582	80.0000	90.7454
53 Benzoic acid	122	5.888	5.888	(0.954)	314113	80.0000	62.5336
52 Bis(2-chloroethoxy)methane	93	5.888	5.888	(0.954)	817746	80.0000	81.1756
54 2,4-Dichlorophenol	162	6.024	6.024	(0.976)	605493	80.0000	82.1906
56 n-Dodecane	43	6.088	6.088	(0.771)	588284	80.0000	84.2330
57 1,2,4-Trichlorobenzene	180	6.106	6.106	(0.990)	645440	80.0000	76.8238
59 Naphthalene	128	6.194	6.194	(1.004)	2043713	80.0000	78.9733
60 4-Chloroaniline	127	6.241	6.241	(1.011)	921626	80.0000	82.5788
62 Hexachlorobutadiene	225	6.288	6.288	(1.019)	376379	80.0000	84.2178
67 Caprolactam	55	6.588	6.588	(1.068)	153660	80.0000	49.5198
68 4-Chloro-3-methylphenol	107	6.711	6.711	(1.088)	606114	80.0000	78.8366
71 2-Methylnaphthalene	142	6.876	6.876	(1.114)	1420902	80.0000	80.2818
72 1-Methylnaphthalene	142	6.981	6.981	(1.131)	1344914	80.0000	78.7207
74 Hexachlorocyclopentadiene	237	7.022	7.022	(0.889)	396888	80.0000	81.7670
78 2,4,6-Trichlorophenol	196	7.158	7.158	(0.906)	390169	80.0000	77.9636
79 2,3-Dichlorobenzeneamine	161	7.169	7.169	(0.908)	713007	80.0000	82.5150
80 2,4,5-Trichlorophenol	196	7.205	7.205	(0.912)	420861	80.0000	74.3601
83 Tetradecane	43	7.257	7.257	(0.919)	580050	80.0000	84.6212
86 2-Chloronaphthalene	162	7.369	7.369	(0.933)	1273915	80.0000	81.4322
88 2-Nitroaniline	65	7.475	7.475	(0.946)	390852	80.0000	86.0744
91 Dimethyl phthalate	163	7.616	7.616	(0.964)	1400476	80.0000	81.2324
93 2,6-Dinitrotoluene	165	7.692	7.692	(0.974)	346144	80.0000	80.8982
94 Acenaphthylene	152	7.774	7.774	(0.984)	2015179	80.0000	81.3420
95 3-Nitroaniline	138	7.863	7.863	(0.996)	408288	80.0000	80.8974
97 Acenaphthene	153	7.927	7.927	(1.004)	1264354	80.0000	79.8279
98 2,4-Dinitrophenol	184	7.951	7.951	(1.007)	139622	80.0000	57.7019
99 4-Nitrophenol	109	8.009	8.009	(1.014)	224072	80.0000	81.5341
101 2,4-Dinitrotoluene	165	8.062	8.062	(1.021)	461341	80.0000	83.6157
102 Dibenzofuran	168	8.080	8.080	(1.023)	1767536	80.0000	79.2924
105 Hexadecane	57	8.209	8.209	(1.039)	750276	80.0000	82.7945
107 Diethyl phthalate	149	8.239	8.239	(1.043)	1412293	80.0000	81.6715
109 4-Chlorophenyl phenyl ether	204	8.362	8.362	(1.059)	698140	80.0000	82.5410
110 Fluorene	166	8.386	8.386	(1.062)	1474511	80.0000	79.1101
112 4-Nitroaniline	138	8.409	8.409	(1.065)	408293	80.0000	82.8497
113 4,6-Dinitro-2-methylphenol	198	8.415	8.415	(0.918)	265202	80.0000	84.9512
115 N-nitrosodiphenylamine	169	8.468	8.468	(0.924)	1249912	80.0000	82.1109
116 Azobenzene	77	8.497	8.497	(1.076)	1498132	80.0000	82.1775

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
234 1,2-DPH(as Azobenzene)	77	8.497	8.497	(1.076)	1498132	80.8780	83.0793
242 2,4,6 - Tribromophenol	330	8.591	8.591	(1.088)	354437	120.000	133.000
124 4-Bromophenyl phenyl ether	248	8.773	8.773	(0.957)	424323	80.0000	85.4023
125 Hexachlorobenzene	284	8.844	8.844	(0.965)	455588	80.0000	86.7119
127 Atrazine	200	8.885	8.885	(0.969)	405159	80.0000	85.7122
128 n-Octadecane	85	8.961	8.961	(0.978)	361192	80.0000	83.6799
129 Pentachlorophenol	266	9.002	9.002	(0.982)	266809	80.0000	75.3649
136 Phenanthrene	178	9.185	9.185	(1.002)	2050754	80.0000	79.7114
137 Anthracene	178	9.226	9.226	(1.006)	2099605	80.0000	81.1961
140 Carbazole	167	9.355	9.355	(1.021)	2012691	80.0000	79.9932
141 Alachlor	188	9.408	9.408	(1.026)	284881	80.0000	83.5517
143 Di-n-butyl phthalate	149	9.549	9.549	(1.042)	2343902	80.0000	84.4050
144 n-Eicosane	43	9.613	9.613	(1.217)	549765	80.0000	84.2733
149 Fluoranthene	202	10.136	10.136	(1.106)	2281179	80.0000	81.9543
150 n-docosane	43	10.201	10.201	(1.292)	532762	80.0000	84.3132
151 Benzidine	184	10.225	10.225	(0.903)	1406367	80.0000	86.6114
152 Pyrene	202	10.330	10.330	(0.913)	2343841	80.0000	82.3326
158 Famphur	218	10.730	10.730	(0.948)	860749	80.0000	93.5182
159 Butyl benzyl phthalate	149	10.753	10.753	(0.950)	1024344	80.0000	83.3132
162 Bis(2-ethylhexyl) phthalate	149	11.176	11.176	(0.988)	1473846	80.0000	83.8249
164 3 3'-Dichlorobenzidine	252	11.259	11.259	(0.995)	886814	80.0000	87.4388
165 Benzo(a)anthracene	228	11.306	11.306	(0.999)	2295971	80.0000	82.5276(H)
167 Chrysene	228	11.341	11.341	(1.002)	2231871	80.0000	80.4300(H)
168 Di-n-octyl phthalate	149	11.705	11.705	(1.034)	2525217	80.0000	84.2098(H)
171 Benzo(b)fluoranthene	252	12.234	12.234	(0.968)	2211811	80.0000	79.4249
172 Benzo(k)fluoranthene	252	12.263	12.263	(0.971)	2710991	80.0000	86.4448(H)
178 Benzo(a)pyrene	252	12.575	12.575	(0.995)	2274786	80.0000	84.7164(H)
185 Dibenz(a,h)anthracene	278	13.932	13.932	(1.103)	2167676	80.0000	87.8974
186 Indeno(1,2,3-cd)pyrene	276	13.944	13.944	(1.232)	2622896	80.0000	87.1277
188 Benzo(g,h,i)perylene	276	14.349	14.349	(1.136)	2299861	80.0000	85.4234

QC Flag Legend

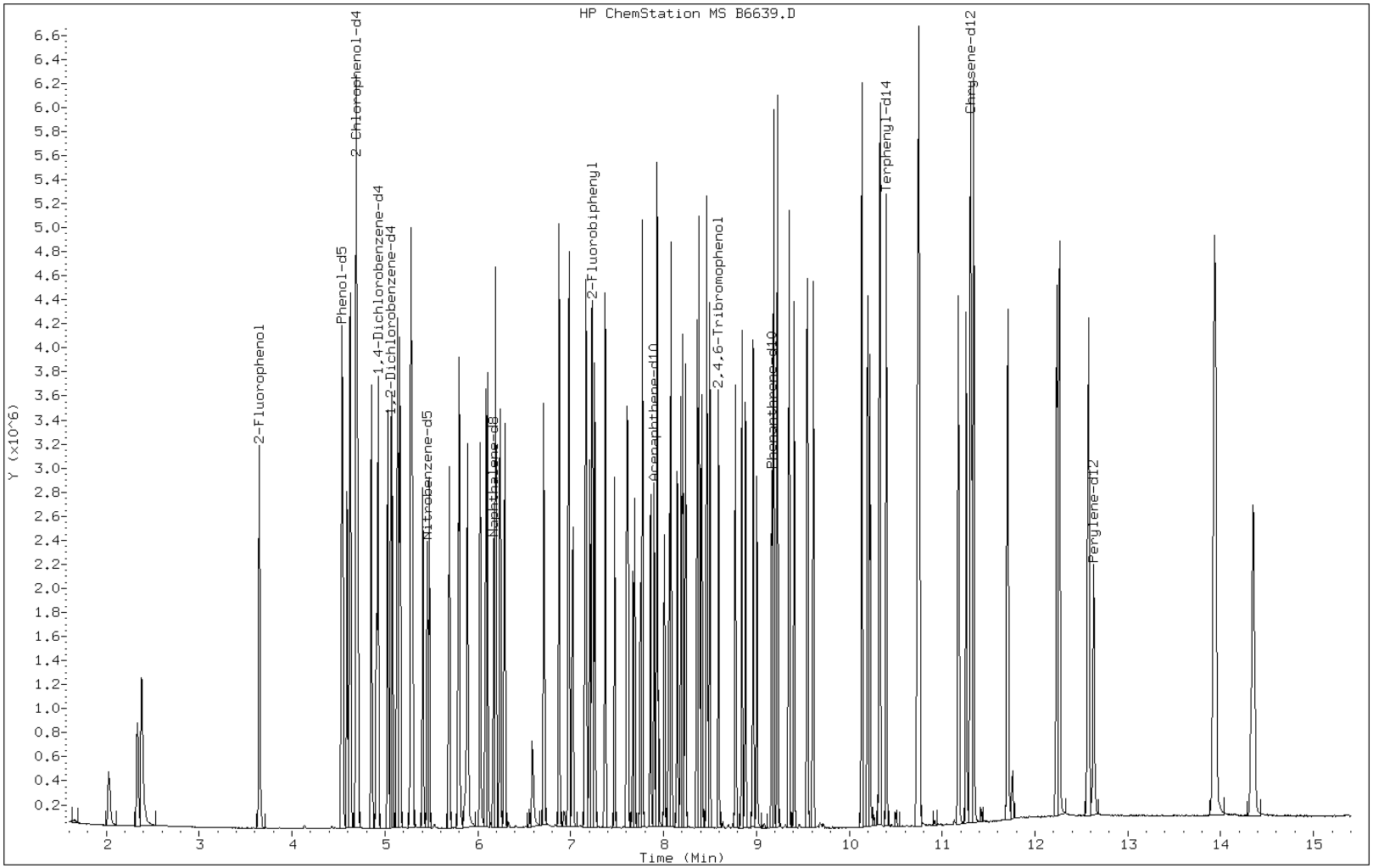
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: B6639.D

Date: 30-AUG-2011 13:36

Client ID: MS-HSL080_00030 Instrument: B.i

Sample Info: CCV-921008,,MS-HSL080_00030 Operator: KIEKELD



TestAmerica

Data file : \\DenSvr03\Public\chem\MSS\B.i\072811b.b\B6057.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 28-JUL-2011 08:41
Operator : kiekeld Inst ID: B.i
Smp Info : DFTPP-376439,,MS-DFTPP
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\B.i\072811b.b\aDFTPPC.m
Meth Date : 21-Mar-2011 10:45 kiekeld Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC307

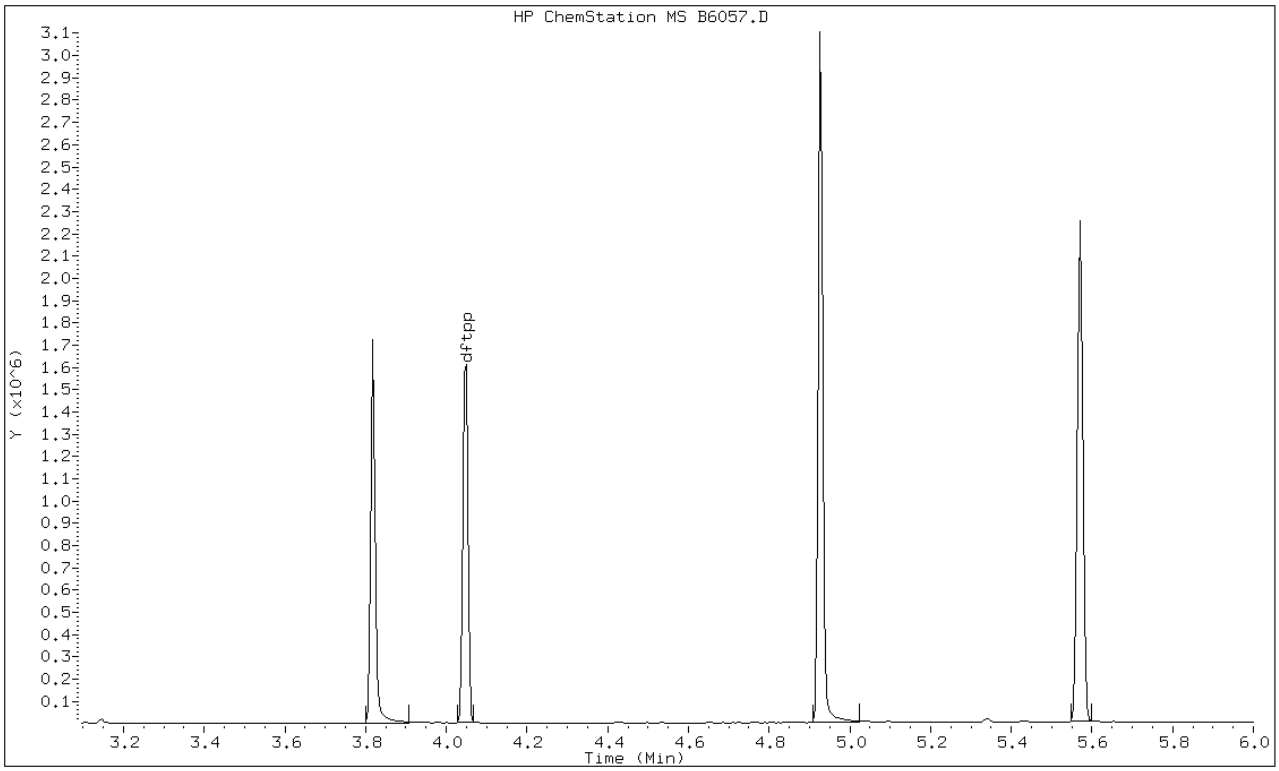
RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
4.050	4.190	-0.140	198	145984			0.00- 100.00	100.00
4.050	4.190	-0.140	51	46112			30.00- 60.00	31.59
4.050	4.190	-0.140	68	59			0.00- 2.00	0.11
4.050	4.190	-0.140	69	52416			0.00- 0.00	35.91
4.050	4.190	-0.140	70	235			0.00- 2.00	0.45
4.050	4.190	-0.140	127	71120			40.00- 60.00	48.72
4.050	4.190	-0.140	197	108			0.00- 1.00	0.07
4.050	4.190	-0.140	199	9972			5.00- 9.00	6.83
4.050	4.190	-0.140	275	37528			10.00- 30.00	25.71
4.050	4.190	-0.140	365	4280			1.00- 0.00	2.93
4.050	4.190	-0.140	441	21040			0.01- 99.99	79.94
4.050	4.190	-0.140	442	142976			40.00- 100.00	97.94
4.050	4.190	-0.140	443	26320			17.00- 23.00	18.41

Data File: B6057.D

Date: 28-JUL-2011 08:41

Client ID: DFTPP Instrument: B.i

Sample Info: DFTPP-376439,,MS-DFTPP Operator: kiekeld



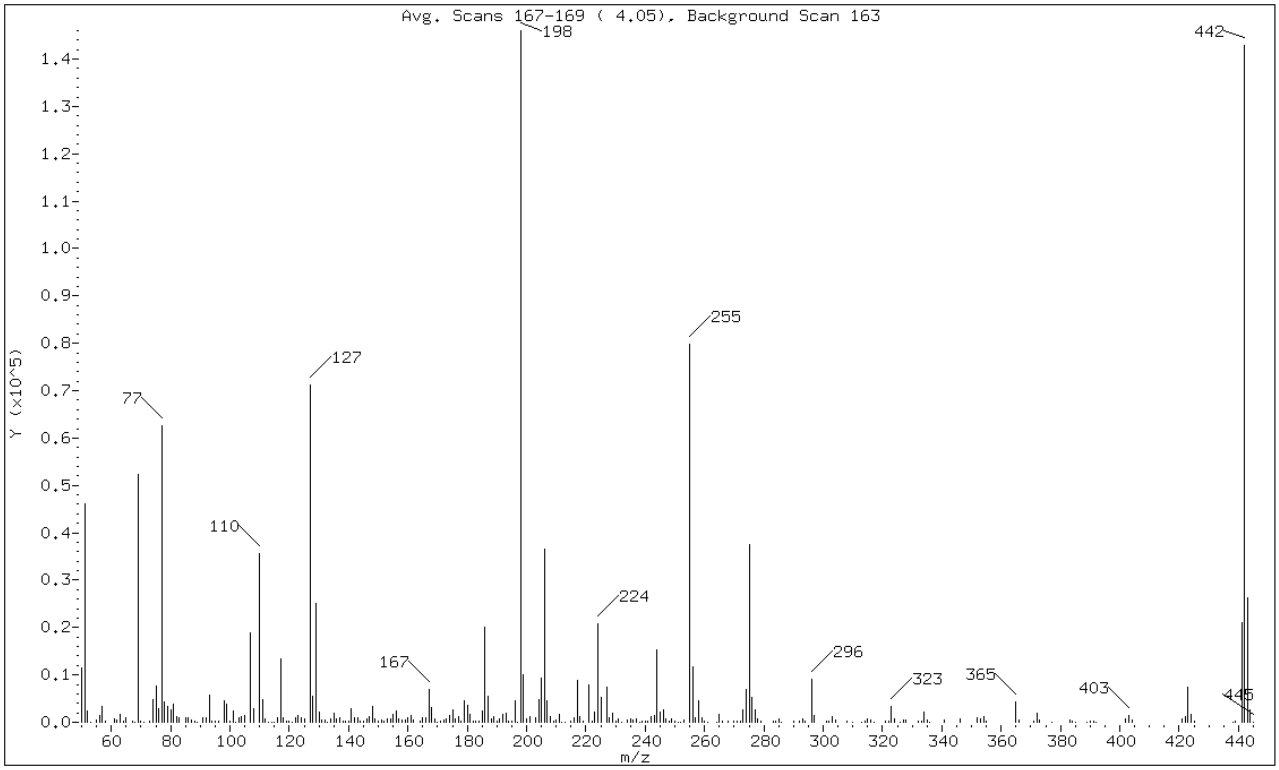
Data File: B6057.D

Date: 28-JUL-2011 08:41

Client ID: DFTPP Instrument: B.i

Sample Info: DFTPP-376439,,MS-DFTPP Operator: kiekeld

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	31.59
68	Less than 2.00% of mass 69	0.04 (0.11)
69	Mass 69 relative abundance	35.91
70	Less than 2.00% of mass 69	0.16 (0.45)
127	40.00 - 60.00% of mass 198	48.72
197	Less than 1.00% of mass 198	0.07
199	5.00 - 9.00% of mass 198	6.83
275	10.00 - 30.00% of mass 198	25.71
365	Greater than 1.00% of mass 198	2.93
441	Present, but less than mass 443	14.41
442	40.00 - 100.00% of mass 198	97.94
443	17.00 - 23.00% of mass 442	18.03 (18.41)

Data File: B6057.D

Date: 28-JUL-2011 08:41

Client ID: DFTPP Instrument: B.i

Sample Info: DFTPP-376439,,MS-DFTPP Operator: kiekeld

Data File: \\DenSvr03\Public\chem\MSS\B.i\072811b.b\B6057.D
Spectrum: Avg. Scans 167-169 (4.05), Background Scan 163
Location of Maximum: 198.00
Number of points: 275

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	11436	130.00	2046	200.00	740	279.00	122
51.00	46112	131.00	501	201.00	1266	283.00	297
52.00	2377	132.00	371	203.00	849	284.00	296
53.00	52	133.00	94	204.00	4801	285.00	651
55.00	425	134.00	748	205.00	9326	286.00	77
56.00	1364	135.00	1885	206.00	36560	290.00	151
57.00	3443	136.00	831	207.00	4520	292.00	171
58.00	187	137.00	1052	208.00	1104	293.00	709
61.00	623	138.00	209	209.00	345	294.00	210
62.00	593	139.00	207	210.00	364	296.00	9052
63.00	1788	140.00	139	211.00	1669	297.00	1326
64.00	236	141.00	2957	212.00	70	301.00	124
65.00	918	142.00	1025	213.00	71	302.00	198
67.00	191	143.00	853	215.00	287	303.00	1290
68.00	59	144.00	151	216.00	852	304.00	368
69.00	52416	145.00	243	217.00	8936	308.00	167
70.00	235	146.00	613	218.00	1180	310.00	103
71.00	51	147.00	1228	219.00	143	313.00	59
73.00	154	148.00	3319	221.00	7950	314.00	279
74.00	4895	149.00	798	222.00	152	315.00	810
75.00	7537	150.00	262	223.00	2121	316.00	519
76.00	2838	151.00	427	224.00	20696	317.00	98
77.00	62640	152.00	247	225.00	5316	321.00	352
78.00	4313	153.00	729	227.00	7402	322.00	133
79.00	3240	154.00	801	228.00	990	323.00	3383
80.00	2700	155.00	1771	229.00	1846	324.00	626
81.00	3749	156.00	2493	230.00	268	326.00	58
82.00	1157	157.00	790	231.00	734	327.00	579
83.00	950	158.00	485	232.00	102	328.00	427
85.00	964	159.00	364	234.00	526	332.00	273
86.00	882	160.00	901	235.00	674	333.00	321
87.00	485	161.00	1522	236.00	465	334.00	2139
88.00	254	162.00	479	237.00	703	335.00	530
89.00	75	164.00	184	238.00	62	336.00	67
91.00	860	165.00	1016	239.00	335	341.00	453
92.00	838	166.00	1069	240.00	291	346.00	705
93.00	5733	167.00	7046	241.00	312	352.00	1008
94.00	301	168.00	3204	242.00	1183	353.00	816
95.00	254	169.00	630	243.00	1421	354.00	1154
96.00	318	170.00	68	244.00	15194	355.00	333

98.00	4516	171.00	285	245.00	2179	365.00	4280
99.00	3820	172.00	580	246.00	2740	366.00	593
100.00	329	173.00	611	247.00	729	371.00	236
101.00	2473	174.00	1347	248.00	168	372.00	1990
102.00	103	175.00	2703	249.00	670	373.00	483
103.00	938	176.00	786	250.00	129	377.00	51
104.00	1268	177.00	1108	251.00	108	383.00	404
105.00	1356	178.00	219	252.00	63	384.00	165
107.00	18960	179.00	4462	253.00	377	385.00	77
108.00	2794	180.00	3685	255.00	79784	389.00	62
110.00	35488	181.00	1689	256.00	11786	390.00	352
111.00	4878	182.00	248	257.00	951	391.00	173
112.00	750	183.00	214	258.00	4478	392.00	59
113.00	68	184.00	356	259.00	857	402.00	658
114.00	68	185.00	2427	260.00	129	403.00	1533
115.00	108	186.00	20056	261.00	64	404.00	392
116.00	955	187.00	5512	264.00	90	421.00	753
117.00	13371	188.00	687	265.00	1789	422.00	1101
118.00	1011	189.00	1111	266.00	193	423.00	7345
119.00	128	190.00	281	268.00	128	424.00	1600
120.00	296	191.00	724	270.00	128	425.00	204
121.00	54	192.00	1690	271.00	152	438.00	50
122.00	929	193.00	1856	272.00	190	439.00	135
123.00	1530	194.00	247	273.00	2556	441.00	21040
124.00	849	195.00	192	274.00	6961	442.00	142976
125.00	770	196.00	4475	275.00	37528	443.00	26320
127.00	71120	197.00	108	276.00	5170	444.00	2731
128.00	5411	198.00	145984	277.00	2707	445.00	73
129.00	25008	199.00	9972	278.00	637		

TestAmerica

Data file : \\DenSvr03\Public\chem\MSS\B.i\083011.B\B6638.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 30-AUG-2011 13:25
Operator : kiekeld Inst ID: B.i
Smp Info : DFTPP-376439,,MS-DFTPP
Misc Info :
Comment :
Method : \\DenSvr03\Public\chem\MSS\B.i\083011.B\aDFTPPC.m
Meth Date : 21-Mar-2011 10:45 kiekeld Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: DENPC307

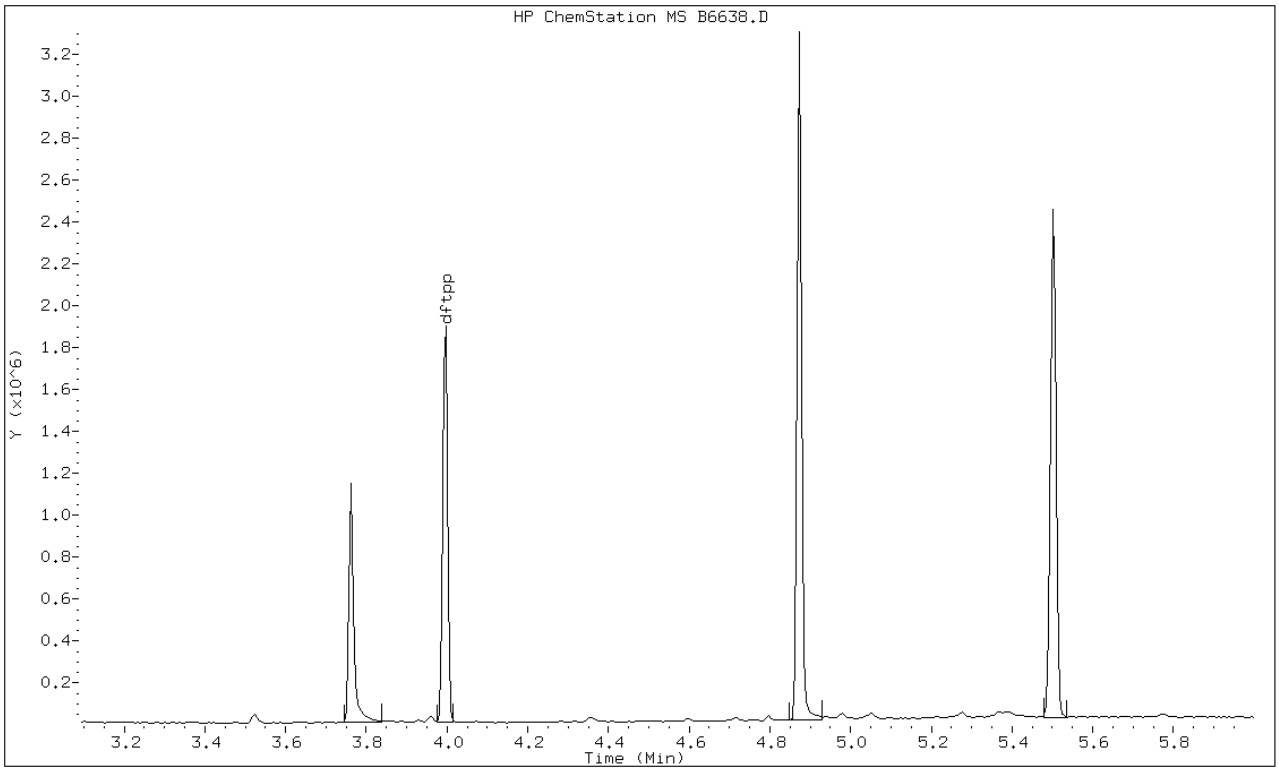
RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
3.997	4.190	-0.193	198	158144			0.00- 100.00	100.00
3.997	4.190	-0.193	51	54928			30.00- 60.00	34.73
3.997	4.190	-0.193	68	0	0.0	0.0	0.00- 2.00	0.00
3.997	4.190	-0.193	69	58424			0.00- 0.00	36.94
3.997	4.190	-0.193	70	0	0.0	0.0	0.00- 2.00	0.00
3.997	4.190	-0.193	127	82448			40.00- 60.00	52.13
3.997	4.190	-0.193	197	0	0.0	0.0	0.00- 1.00	0.00
3.997	4.190	-0.193	199	11187			5.00- 9.00	7.07
3.997	4.190	-0.193	275	40504			10.00- 30.00	25.61
3.997	4.190	-0.193	365	4828			1.00- 0.00	3.05
3.997	4.190	-0.193	441	21888			0.01- 99.99	74.29
3.997	4.190	-0.193	442	152832			40.00- 100.00	96.64
3.997	4.190	-0.193	443	29464			17.00- 23.00	19.28

Data File: B6638.D

Date: 30-AUG-2011 13:25

Client ID: DFTPP Instrument: B.i

Sample Info: DFTPP-376439,,MS-DFTPP Operator: kiekeld



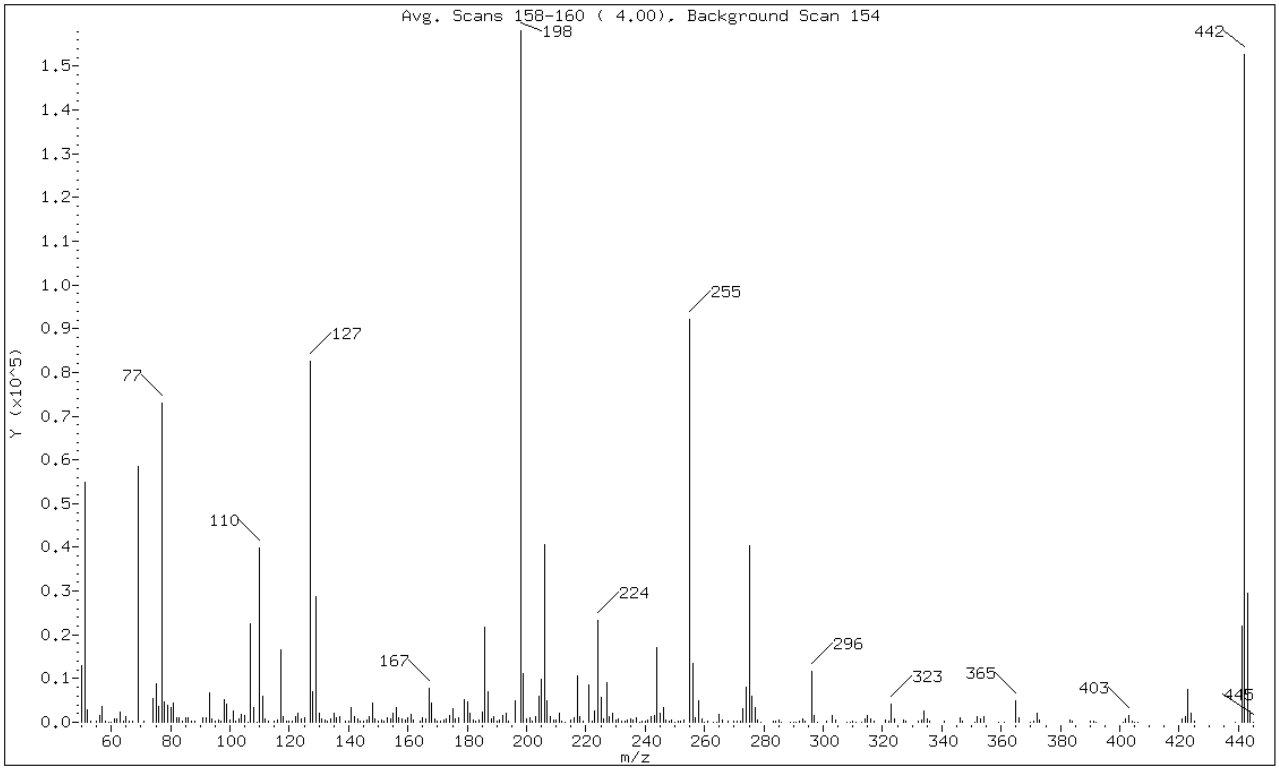
Data File: B6638.D

Date: 30-AUG-2011 13:25

Client ID: DFTPP Instrument: B.i

Sample Info: DFTPP-376439,,MS-DFTPP Operator: kiekeld

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	34.73
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	36.94
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	52.13
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.07
275	10.00 - 30.00% of mass 198	25.61
365	Greater than 1.00% of mass 198	3.05
441	Present, but less than mass 443	13.84
442	40.00 - 100.00% of mass 198	96.64
443	17.00 - 23.00% of mass 442	18.63 (19.28)

Data File: B6638.D

Date: 30-AUG-2011 13:25

Client ID: DFTPP Instrument: B.i

Sample Info: DFTPP-376439,,MS-DFTPP Operator: kiekeld

Data File: \\DenSvr03\Public\chem\MSS\B.i\083011.B\B6638.D
Spectrum: Avg. Scans 158-160 (4.00), Background Scan 154
Location of Maximum: 198.00
Number of points: 283

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	12829	130.00	1971	206.00	40720	286.00	56
51.00	54928	131.00	695	207.00	4924	289.00	51
52.00	2915	132.00	484	208.00	1183	290.00	77
53.00	265	133.00	153	209.00	609	291.00	99
55.00	142	134.00	812	210.00	624	292.00	197
56.00	1659	135.00	2068	211.00	2080	293.00	801
57.00	3703	136.00	923	212.00	173	294.00	224
58.00	269	137.00	1321	213.00	81	296.00	11648
59.00	56	139.00	287	215.00	449	297.00	1590
60.00	59	140.00	358	216.00	1074	298.00	60
61.00	681	141.00	3306	217.00	10603	301.00	211
62.00	844	142.00	1326	218.00	1278	303.00	1566
63.00	2319	143.00	810	219.00	189	304.00	428
64.00	321	144.00	279	221.00	8413	308.00	114
65.00	1421	145.00	260	222.00	315	309.00	51
66.00	142	146.00	597	223.00	2702	310.00	170
67.00	133	147.00	1277	224.00	23280	311.00	75
69.00	58424	148.00	4290	225.00	5739	313.00	111
71.00	130	149.00	670	226.00	688	314.00	693
74.00	5388	150.00	325	227.00	9093	315.00	1460
75.00	8686	151.00	631	228.00	1241	316.00	676
76.00	3707	152.00	315	229.00	2113	317.00	186
77.00	72864	153.00	1014	230.00	490	321.00	463
78.00	4777	154.00	860	231.00	802	322.00	130
79.00	3777	155.00	2049	232.00	163	323.00	4125
80.00	3341	156.00	3248	233.00	176	324.00	704
81.00	4382	157.00	978	234.00	630	327.00	641
82.00	1120	158.00	720	235.00	816	328.00	298
83.00	1028	159.00	513	236.00	450	332.00	143
84.00	147	160.00	1083	237.00	938	333.00	463
85.00	969	161.00	1915	238.00	66	334.00	2542
86.00	1036	162.00	587	239.00	338	335.00	685
87.00	371	164.00	244	240.00	246	336.00	141
88.00	200	165.00	1052	241.00	534	341.00	267
91.00	914	166.00	893	242.00	1188	346.00	1086
92.00	1084	167.00	7680	243.00	1459	347.00	142
93.00	6817	168.00	4488	244.00	17144	351.00	50
94.00	708	169.00	650	245.00	2162	352.00	1321
95.00	370	170.00	215	246.00	3285	353.00	859
96.00	395	171.00	337	247.00	644	354.00	1190

97.00	263	172.00	641	248.00	137	359.00	57
98.00	5203	173.00	778	249.00	621	361.00	51
99.00	4186	174.00	1527	250.00	117	365.00	4828
100.00	438	175.00	3221	251.00	301	366.00	909
101.00	2668	176.00	900	252.00	189	370.00	59
102.00	198	177.00	1030	253.00	510	371.00	296
103.00	876	179.00	5134	255.00	92168	372.00	2037
104.00	1744	180.00	4547	256.00	13348	373.00	633
105.00	1493	181.00	2000	257.00	1061	383.00	582
106.00	59	182.00	435	258.00	4921	384.00	150
107.00	22400	183.00	273	259.00	772	390.00	343
108.00	3285	184.00	508	260.00	61	391.00	250
109.00	64	185.00	2451	261.00	207	392.00	87
110.00	39736	186.00	21840	263.00	59	401.00	53
111.00	5827	187.00	6865	264.00	99	402.00	772
112.00	779	188.00	722	265.00	1819	403.00	1458
113.00	267	189.00	1184	266.00	537	404.00	375
115.00	208	190.00	167	268.00	142	405.00	74
116.00	525	191.00	498	270.00	194	406.00	52
117.00	16448	192.00	1569	271.00	191	421.00	869
118.00	1190	193.00	1958	272.00	376	422.00	1205
119.00	258	194.00	369	273.00	3052	423.00	7578
120.00	285	196.00	4998	274.00	7987	424.00	2073
121.00	180	198.00	158144	275.00	40504	425.00	162
122.00	1332	199.00	11187	276.00	5918	439.00	78
123.00	2105	200.00	904	277.00	3251	441.00	21888
124.00	818	201.00	966	278.00	584	442.00	152832
125.00	1034	202.00	159	279.00	127	443.00	29464
127.00	82448	203.00	1181	283.00	211	444.00	2532
128.00	6912	204.00	6013	284.00	290	445.00	72
129.00	28648	205.00	9710	285.00	634		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver
Job No.: 280-19387-1
SDG No.:
Client Sample ID:
Lab Sample ID: MB 280-82752/1-A
Matrix: Solid
Lab File ID: B6647.D
Analysis Method: 8270C/DoD
Date Collected:
Extract. Method: 3550C
Date Extracted: 08/24/2011 08:50
Sample wt/vol: 30.9(g)
Date Analyzed: 08/30/2011 16:22
Con. Extract Vol.: 1000(uL)
Dilution Factor: 1
Injection Volume: 0.5(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 83845
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-12-7	Anthracene	16.5	U	320	16.5
67-72-1	Hexachloroethane	20.7	U	320	20.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	86		35-125
321-60-8	2-Fluorobiphenyl	79		45-105
367-12-4	2-Fluorophenol (Surr)	77		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	80		35-100
4165-62-2	Phenol-d5 (Surr)	80		40-100
1718-51-0	Terphenyl-d14 (Surr)	83		30-125

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\B.i\083011.B\B6647.D
Lab Smp Id: MB 280-82752/1-A
Inj Date : 30-AUG-2011 16:22
Operator : KIEKELD Inst ID: B.i
Smp Info : MB280-82752_1-A
Misc Info : MB 280-82752_1-A
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\B.i\083011.B\8270C.m
Meth Date : 31-Aug-2011 08:49 kiekeld Quant Type: ISTD
Cal Date : 29-AUG-2011 11:42 Cal File: B6600.D
Als bottle: 10 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: H.sub
Target Version: 4.14
Processing Host: DENPC307

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	30.900	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 26 1,4-Dichlorobenzene-d4	152	4.907	4.906	(1.000)	236048	40.0000	
* 58 Naphthalene-d8	136	6.170	6.169	(1.000)	946417	40.0000	
* 96 Acenaphthene-d10	164	7.898	7.897	(1.000)	537813	40.0000	
* 135 Phenanthrene-d10	188	9.161	9.166	(1.000)	913359	40.0000	
* 166 Chrysene-d12	240	11.288	11.304	(1.000)	1017434	40.0000	
* 179 Perylene-d12	264	12.592	12.626	(1.000)	949282	40.0000	
$ 8 2-Fluorophenol	112	3.650	3.644	(0.744)	957463	115.526	3738.71
$ 15 Phenol-d5	99	4.531	4.537	(0.923)	1225179	120.247	3891.49
$ 43 Nitrobenzene-d5	82	5.454	5.454	(0.884)	692598	79.5694	2575.06
$ 81 2-Fluorobiphenyl	172	7.228	7.234	(0.915)	1304103	78.9197	2554.04
$ 118 2,4,6-Tribromophenol	330	8.591	8.591	(1.088)	324352	128.760	4166.98
$ 154 Terphenyl-d14	244	10.389	10.401	(0.920)	1581402	82.5187	2670.51
$ 29 1,2-Dichlorobenzene-d4	152	5.060	5.060	(1.031)	455465	78.6834	2546.39
$ 22 2-Chlorophenol-d4	132	4.690	4.696	(0.956)	1021455	129.332	4185.49
6 Pyridine	79	Compound Not Detected.					
5 N-Nitrosodimethylamine	74	Compound Not Detected.					
18 Aniline	93	Compound Not Detected.					
16 Phenol	94	Compound Not Detected.					
20 Bis(2-chloroethyl) ether	93	Compound Not Detected.					
23 2-Chlorophenol	128	Compound Not Detected.					
25 1,3-Dichlorobenzene	146	Compound Not Detected.					
27 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
28 Benzyl alcohol	108	Compound Not Detected.					
30 1,2-Dichlorobenzene	146	Compound Not Detected.					
32 2-Methylphenol	108	Compound Not Detected.					
35 1H-Indene	116	Compound Not Detected.					
34 2,2'-oxybis(1-chloropropane)	45	Compound Not Detected.					
138 3-Methylphenol	108	Compound Not Detected.					
36 4-Methylphenol	108	Compound Not Detected.					
139 3 & 4-Methylphenol	108	Compound Not Detected.					
37 N-nitrosodi-n-propylamine	70	Compound Not Detected.					
38 Acetophenone	105	Compound Not Detected.					
41 Hexachloroethane	117	Compound Not Detected.					
44 Nitrobenzene	77	Compound Not Detected.					
47 Isophorone	82	Compound Not Detected.					
49 2-Nitrophenol	139	Compound Not Detected.					
50 2,4-Dimethylphenol	107	Compound Not Detected.					
52 Bis(2-chloroethoxy)methane	93	Compound Not Detected.					
53 Benzoic acid	122	Compound Not Detected.					
54 2,4-Dichlorophenol	162	Compound Not Detected.					
57 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
59 Naphthalene	128	Compound Not Detected.					
60 4-Chloroaniline	127	Compound Not Detected.					
62 Hexachlorobutadiene	225	Compound Not Detected.					
68 4-Chloro-3-methylphenol	107	Compound Not Detected.					
71 2-Methylnaphthalene	142	Compound Not Detected.					
72 1-Methylnaphthalene	142	Compound Not Detected.					
74 Hexachlorocyclopentadiene	237	Compound Not Detected.					
78 2,4,6-Trichlorophenol	196	Compound Not Detected.					
80 2,4,5-Trichlorophenol	196	Compound Not Detected.					
86 2-Chloronaphthalene	162	Compound Not Detected.					
88 2-Nitroaniline	65	Compound Not Detected.					
91 Dimethyl phthalate	163	Compound Not Detected.					
93 2,6-Dinitrotoluene	165	Compound Not Detected.					
94 Acenaphthylene	152	Compound Not Detected.					
95 3-Nitroaniline	138	Compound Not Detected.					
97 Acenaphthene	153	Compound Not Detected.					
98 2,4-Dinitrophenol	184	Compound Not Detected.					
99 4-Nitrophenol	109	Compound Not Detected.					
101 2,4-Dinitrotoluene	165	Compound Not Detected.					
102 Dibenzofuran	168	Compound Not Detected.					
107 Diethyl phthalate	149	Compound Not Detected.					
109 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
110 Fluorene	166	Compound Not Detected.					
112 4-Nitroaniline	138	Compound Not Detected.					
113 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
115 N-nitrosodiphenylamine	169	Compound Not Detected.					
116 Azobenzene	77	Compound Not Detected.					
234 1,2-DPH(as Azobenzene)	77	Compound Not Detected.					
124 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
125 Hexachlorobenzene	284	Compound Not Detected.					
129 Pentachlorophenol	266	Compound Not Detected.					
136 Phenanthrene	178	Compound Not Detected.					
137 Anthracene	178	Compound Not Detected.					
140 Carbazole	167	Compound Not Detected.					
143 Di-n-butyl phthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
149 Fluoranthene	202	Compound Not Detected.					
151 Benzidine	184	Compound Not Detected.					
152 Pyrene	202	Compound Not Detected.					
159 Butyl benzyl phthalate	149	Compound Not Detected.					
164 3 3'-Dichlorobenzidine	252	Compound Not Detected.					
165 Benzo(a)anthracene	228	Compound Not Detected.					
167 Chrysene	228	Compound Not Detected.					
162 Bis(2-ethylhexyl) phthalate	149	11.147	11.176	(0.988)	4518	1.88934	61.1438(a)
168 Di-n-octyl phthalate	149	Compound Not Detected.					
171 Benzo(b)fluoranthene	252	Compound Not Detected.					
172 Benzo(k)fluoranthene	252	Compound Not Detected.					
178 Benzo(a)pyrene	252	Compound Not Detected.					
186 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
185 Dibenz(a,h)anthracene	278	Compound Not Detected.					
188 Benzo(g,h,i)perylene	276	Compound Not Detected.					
19 Methyl Styrene	118	Compound Not Detected.					
141 Alachlor	188	Compound Not Detected.					
127 Atrazine	200	Compound Not Detected.					
67 Caprolactam	55	Compound Not Detected.					
79 2,3-Dichlorobenzeneamine	161	Compound Not Detected.					
21 Decane	43	Compound Not Detected.					
56 n-Dodecane	43	Compound Not Detected.					
83 Tetradecane	43	Compound Not Detected.					
105 Hexadecane	57	Compound Not Detected.					
128 n-Octadecane	85	Compound Not Detected.					
144 n-Eicosane	43	Compound Not Detected.					
150 n-docosane	43	Compound Not Detected.					
4 1,4-Dioxane	88	Compound Not Detected.					
158 Famphur	218	Compound Not Detected.					

QC Flag Legend

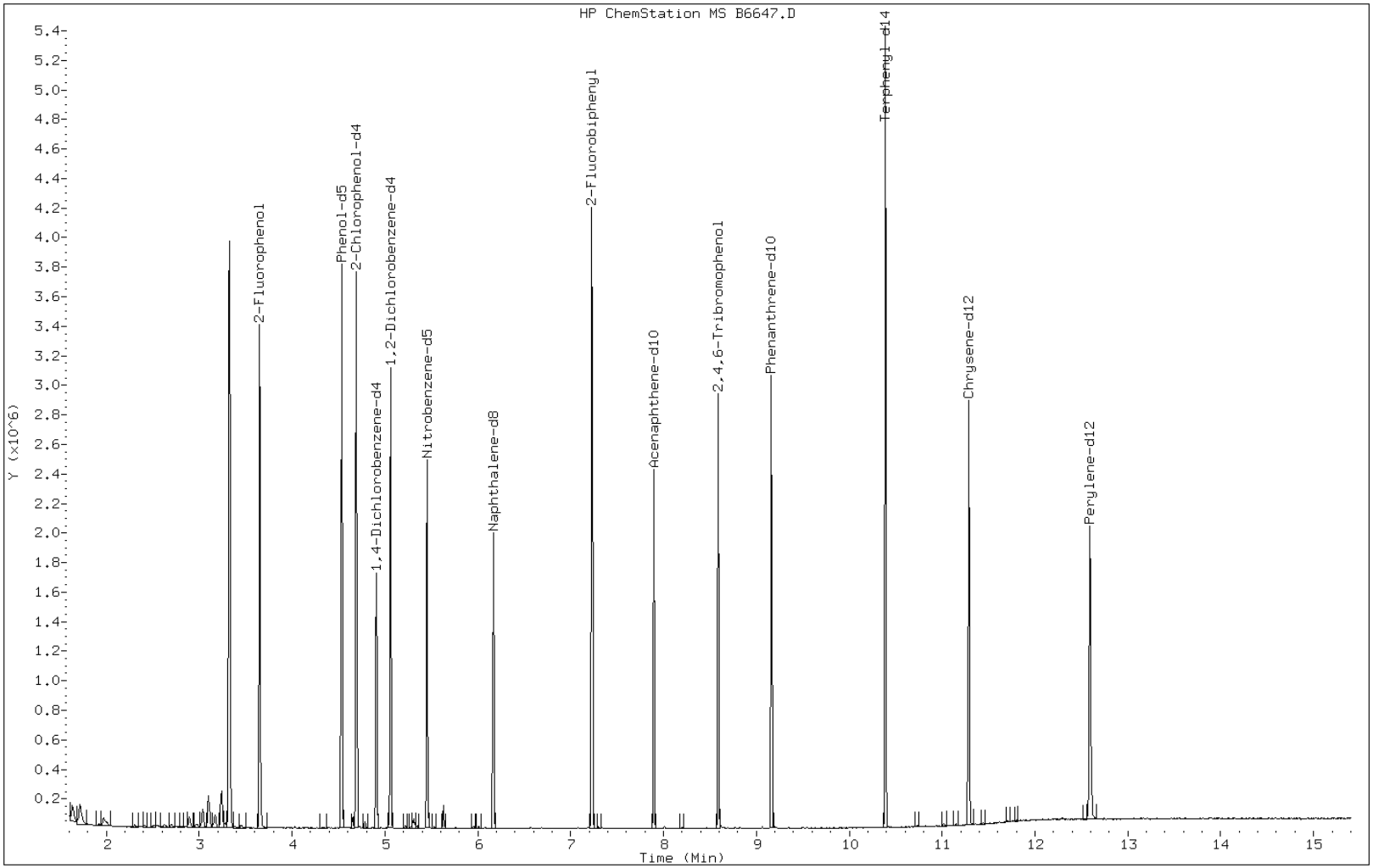
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: B6647.D

Date: 30-AUG-2011 16:22

Client ID: Instrument: B.i

Sample Info: MB280-82752_1-A Operator: KIEKELD



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver
Job No.: 280-19387-1
SDG No.:
Client Sample ID:
Lab Sample ID: LCS 280-82752/2-A
Matrix: Solid
Lab File ID: B6648.D
Analysis Method: 8270C/DoD
Date Collected:
Extract. Method: 3550C
Date Extracted: 08/24/2011 08:50
Sample wt/vol: 30.0(g)
Date Analyzed: 08/30/2011 16:43
Con. Extract Vol.: 1000(uL)
Dilution Factor: 1
Injection Volume: 0.5(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 83845
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-12-7	Anthracene	2320		330	17.0
67-72-1	Hexachloroethane	2040		330	21.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	95		35-125
321-60-8	2-Fluorobiphenyl	84		45-105
367-12-4	2-Fluorophenol (Surr)	80		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	82		35-100
4165-62-2	Phenol-d5 (Surr)	81		40-100
1718-51-0	Terphenyl-d14 (Surr)	88		30-125

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\B.i\083011.B\B6648.D
Lab Smp Id: LCS 280-82752/2-A
Inj Date : 30-AUG-2011 16:43
Operator : KIEKELD Inst ID: B.i
Smp Info : LCS280-82752_2-A
Misc Info : LCS 280-82752_2-A
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\B.i\083011.B\8270C.m
Meth Date : 31-Aug-2011 08:49 kiekeld Quant Type: ISTD
Cal Date : 29-AUG-2011 11:42 Cal File: B6600.D
Als bottle: 11 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSL-9H-LCS.sub
Target Version: 4.14
Processing Host: DENPC307

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	30.000	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 26 1,4-Dichlorobenzene-d4	152	4.908	4.906	(1.000)	232043	40.0000	
* 58 Naphthalene-d8	136	6.166	6.169	(1.000)	930653	40.0000	
* 96 Acenaphthene-d10	164	7.899	7.897	(1.000)	532638	40.0000	
* 135 Phenanthrene-d10	188	9.162	9.166	(1.000)	883350	40.0000	
* 166 Chrysene-d12	240	11.295	11.304	(1.000)	968454	40.0000	
* 179 Perylene-d12	264	12.599	12.626	(1.000)	916086	40.0000	
$ 8 2-Fluorophenol	112	3.651	3.644	(0.744)	975600	119.746	3991.54
$ 15 Phenol-d5	99	4.532	4.537	(0.923)	1216419	121.448	4048.26
$ 43 Nitrobenzene-d5	82	5.455	5.454	(0.885)	705803	82.4600	2748.67
$ 81 2-Fluorobiphenyl	172	7.229	7.234	(0.915)	1372652	83.8751	2795.84
$ 118 2,4,6-Tribromophenol	330	8.592	8.591	(1.088)	354873	142.245	4741.48
$ 154 Terphenyl-d14	244	10.390	10.401	(0.920)	1608513	88.1784	2939.28
$ 29 1,2-Dichlorobenzene-d4	152	5.061	5.060	(1.031)	448901	78.8879	2629.60
$ 22 2-Chlorophenol-d4	132	4.691	4.696	(0.956)	1021076	131.515	4383.83
4 1,4-Dioxane	88	2.018	2.028	(0.411)	120905	33.5992	1119.97
6 Pyridine	79	2.370	2.381	(0.483)	281907	29.5810	986.034
5 N-Nitrosodimethylamine	74	2.329	2.334	(0.475)	309244	58.4579	1948.60
18 Aniline	93	4.591	4.590	(0.935)	466286	36.2153	1207.18
16 Phenol	94	4.550	4.549	(0.927)	660856	63.2188	2107.29
20 Bis(2-chloroethyl) ether	93	4.632	4.631	(0.944)	490597	65.5349	2184.50
23 2-Chlorophenol	128	4.709	4.707	(0.959)	546901	64.1071	2136.90
25 1,3-Dichlorobenzene	146	4.850	4.854	(0.988)	569751	59.2612	1975.37

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
27 1,4-Dichlorobenzene	146	4.926	4.925	(1.004)	580497	60.0963	2003.21
28 Benzyl alcohol	108	5.032	5.031	(1.025)	359687	64.4087	2146.96
30 1,2-Dichlorobenzene	146	5.079	5.078	(1.035)	553122	61.6472	2054.91
32 2-Methylphenol	108	5.132	5.130	(1.045)	494452	61.5378	2051.26
34 2,2'-oxybis(1-chloropropane)	45	5.144	5.142	(1.048)	589294	62.0667	2068.89(Q)
138 3-Methylphenol	108	5.279	5.283	(1.075)	997619	119.237	3974.56
36 4-Methylphenol	108	5.279	5.283	(1.075)	997619	119.237	3974.56
139 3 & 4-Methylphenol	108	5.279	5.283	(1.075)	997619	119.237	3974.56
37 N-nitrosodi-n-propylamine	70	5.273	5.277	(1.074)	352084	61.6937	2056.46
41 Hexachloroethane	117	5.408	5.407	(1.102)	225497	61.0981	2036.60
44 Nitrobenzene	77	5.473	5.477	(0.888)	546278	65.1650	2172.17
47 Isophorone	82	5.690	5.689	(0.923)	942657	64.1835	2139.45
49 2-Nitrophenol	139	5.784	5.789	(0.938)	287724	69.8882	2329.61
50 2,4-Dimethylphenol	107	5.802	5.800	(0.941)	538084	69.0210	2300.70
52 Bis(2-chloroethoxy)methane	93	5.890	5.888	(0.955)	586440	62.7319	2091.06
53 Benzoic acid	122	5.878	5.888	(0.953)	208820	44.7979	1493.26
54 2,4-Dichlorophenol	162	6.025	6.024	(0.977)	448785	65.6461	2188.20
57 1,2,4-Trichlorobenzene	180	6.101	6.106	(0.990)	466522	59.8369	1994.56
59 Naphthalene	128	6.189	6.194	(1.004)	1499507	62.4404	2081.35
60 4-Chloroaniline	127	6.236	6.241	(1.011)	498640	48.1458	1604.86
62 Hexachlorobutadiene	225	6.289	6.288	(1.020)	271078	65.3627	2178.76
68 4-Chloro-3-methylphenol	107	6.706	6.711	(1.088)	469222	65.7672	2192.24
71 2-Methylnaphthalene	142	6.877	6.876	(1.115)	1024218	62.3595	2078.65
72 1-Methylnaphthalene	142	6.977	6.981	(1.131)	1009600	63.6797	2122.66
74 Hexachlorocyclopentadiene	237	7.018	7.022	(0.888)	259860	57.1872	1906.24
78 2,4,6-Trichlorophenol	196	7.153	7.158	(0.906)	331800	70.8215	2360.72
80 2,4,5-Trichlorophenol	196	7.200	7.205	(0.911)	361259	68.1819	2272.73
86 2-Chloronaphthalene	162	7.370	7.369	(0.933)	963525	65.7913	2193.04
88 2-Nitroaniline	65	7.470	7.475	(0.946)	310073	72.9416	2431.38
91 Dimethyl phthalate	163	7.611	7.616	(0.964)	1115980	69.1448	2304.83
93 2,6-Dinitrotoluene	165	7.688	7.692	(0.973)	279906	69.8786	2329.29
94 Acenaphthylene	152	7.770	7.774	(0.984)	1624172	70.0298	2334.33
95 3-Nitroaniline	138	7.858	7.863	(0.995)	264086	55.8937	1863.12
97 Acenaphthene	153	7.928	7.927	(1.004)	971100	65.4937	2183.12
98 2,4-Dinitrophenol	184	7.946	7.951	(1.006)	119474	52.7424	1758.08
99 4-Nitrophenol	109	8.005	8.009	(1.013)	187573	72.9074	2430.25
101 2,4-Dinitrotoluene	165	8.058	8.062	(1.020)	371121	71.8507	2395.02
102 Dibenzofuran	168	8.081	8.080	(1.023)	1392704	66.7378	2224.59
107 Diethyl phthalate	149	8.234	8.239	(1.042)	1135261	70.1279	2337.60
109 4-Chlorophenyl phenyl ether	204	8.357	8.362	(1.058)	553621	69.9180	2330.60
110 Fluorene	166	8.381	8.386	(1.061)	1173502	67.2539	2241.80
112 4-Nitroaniline	138	8.404	8.409	(1.064)	309611	67.1096	2236.99
113 4,6-Dinitro-2-methylphenol	198	8.416	8.415	(0.919)	200640	68.1034	2270.11
115 N-nitrosodiphenylamine	169	8.463	8.468	(0.924)	857198	59.6706	1989.02
116 Azobenzene	77	8.498	8.497	(1.076)	1180768	69.1858	2306.19
234 1,2-DPH(as Azobenzene)	77	8.498	8.497	(1.076)	1180768	69.9451	2331.50
124 4-Bromophenyl phenyl ether	248	8.775	8.773	(0.958)	332162	70.8405	2361.35
125 Hexachlorobenzene	284	8.839	8.844	(0.965)	355948	71.7879	2392.93
129 Pentachlorophenol	266	9.004	9.002	(0.983)	211140	63.1972	2106.57
136 Phenanthrene	178	9.186	9.185	(1.003)	1661304	68.4249	2280.83
137 Anthracene	178	9.227	9.226	(1.007)	1695661	69.4856	2316.19
140 Carbazole	167	9.350	9.355	(1.021)	1601947	67.4656	2248.85
143 Di-n-butyl phthalate	149	9.544	9.549	(1.042)	1876876	71.6180	2387.27
149 Fluoranthene	202	10.126	10.136	(1.105)	1844629	70.2231	2340.77
151 Benzidine	184	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
152 Pyrene	202	10.320	10.330	(0.914)	1859700	67.6629	2255.43
159 Butyl benzyl phthalate	149	10.737	10.753	(0.951)	834327	70.2860	2342.86
164 3 3'-Dichlorobenzidine	252	11.236	11.259	(0.995)	482888	49.3154	1643.85
165 Benzo(a)anthracene	228	11.283	11.306	(0.999)	1830728	68.1587	2271.96(H)
167 Chrysene	228	11.319	11.341	(1.002)	1791607	66.8738	2229.13
162 Bis(2-ethylhexyl) phthalate	149	11.154	11.176	(0.988)	1196838	70.7659	2358.86
168 Di-n-octyl phthalate	149	11.671	11.705	(1.033)	1990012	69.1442	2304.81
171 Benzo(b)fluoranthene	252	12.206	12.234	(0.969)	1674860	65.5135	2183.78(H)
172 Benzo(k)fluoranthene	252	12.229	12.263	(0.971)	2177882	75.6465	2521.55
178 Benzo(a)pyrene	252	12.541	12.575	(0.995)	1608652	65.2579	2175.26
186 Indeno(1,2,3-cd)pyrene	276	13.904	13.944	(1.231)	1985917	68.3283	2277.61
185 Dibenz(a,h)anthracene	278	13.892	13.932	(1.103)	1706178	75.3615	2512.05
188 Benzo(g,h,i)perylene	276	14.309	14.349	(1.136)	1802118	72.9126	2430.42

QC Flag Legend

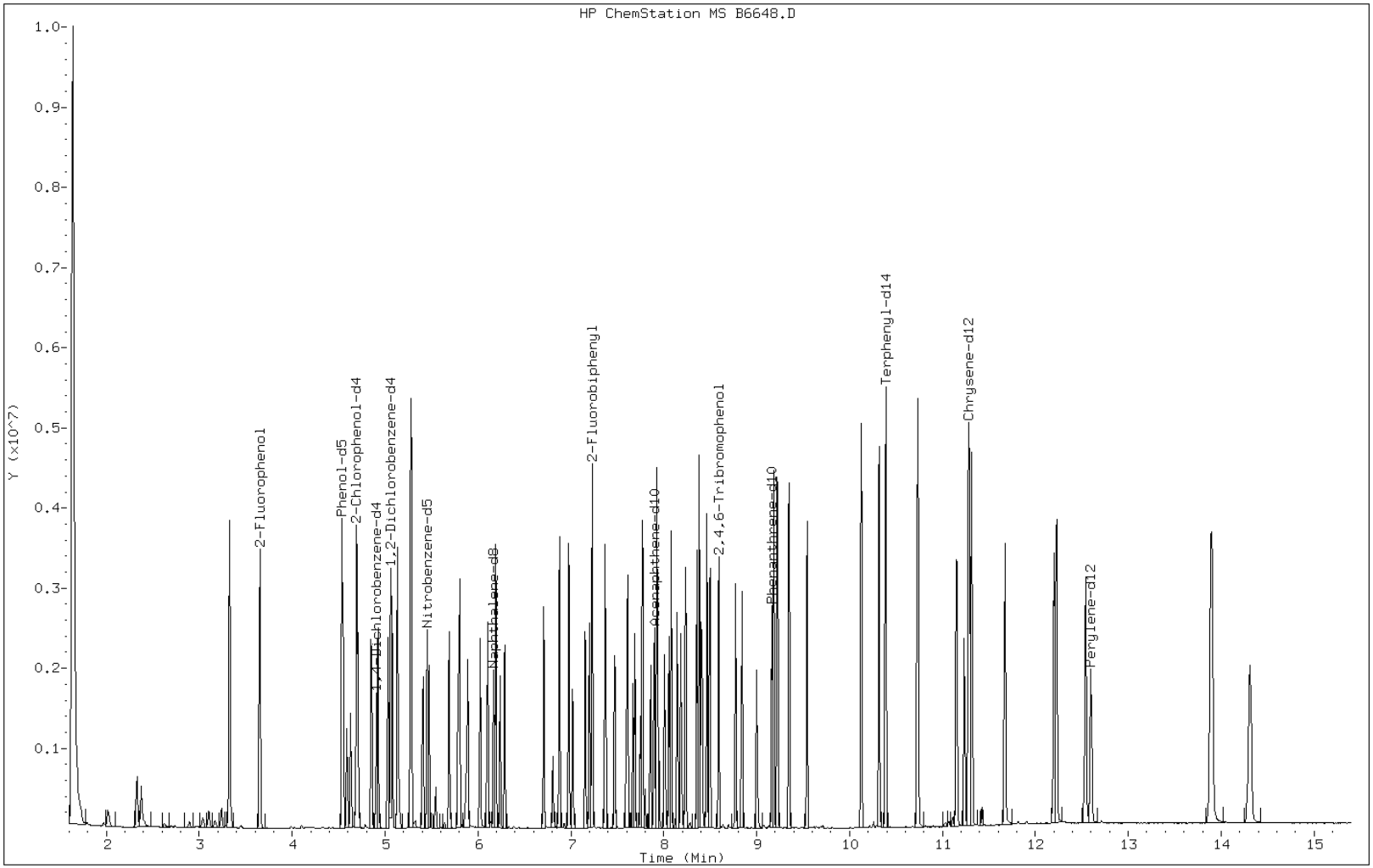
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: B6648.D

Date: 30-AUG-2011 16:43

Client ID: Instrument: B.i

Sample Info: LCS280-82752_2-A Operator: KIEKELD



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19387-1

SDG No.:

Client Sample ID: NWO-178-5002 MS | Lab Sample ID: 280-19387-3 MS

Matrix: Solid | Lab File ID: B6669.D

Analysis Method: 8270C/DoD | Date Collected: 08/17/2011 16:46

Extract. Method: 3550C | Date Extracted: 08/24/2011 08:50

Sample wt/vol: 31.0(g) | Date Analyzed: 08/30/2011 23:58

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

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

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

Analysis Batch No.: 83845 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-12-7	Anthracene	2270		319	16.5
67-72-1	Hexachloroethane	1680		319	20.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	96		35-125
321-60-8	2-Fluorobiphenyl	82		45-105
367-12-4	2-Fluorophenol (Surr)	75		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	78		35-100
4165-62-2	Phenol-d5 (Surr)	78		40-100
1718-51-0	Terphenyl-d14 (Surr)	88		30-125

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\B.i\083011.B\B6669.D
Lab Smp Id: 280-19387-E-3-G MS Client Smp ID: NWO-178-5002
Inj Date : 30-AUG-2011 23:58
Operator : KIEKELD Inst ID: B.i
Smp Info : 280-19387-E-3-GMS
Misc Info : 280-19387-E-3-G MS
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\B.i\083011.B\8270C.m
Meth Date : 31-Aug-2011 08:49 kiekeld Quant Type: ISTD
Cal Date : 29-AUG-2011 11:42 Cal File: B6600.D
Als bottle: 32 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSL-9H-LCS.sub
Target Version: 4.14
Processing Host: DENPC307

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	31.000	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 26 1,4-Dichlorobenzene-d4	152	4.906	4.906	(1.000)	266441	40.0000	
* 58 Naphthalene-d8	136	6.169	6.169	(1.000)	1054809	40.0000	
* 96 Acenaphthene-d10	164	7.897	7.897	(1.000)	608541	40.0000	
* 135 Phenanthrene-d10	188	9.166	9.166	(1.000)	1017677	40.0000	
* 166 Chrysene-d12	240	11.234	11.304	(1.000)	1071194	40.0000	
* 179 Perylene-d12	264	12.515	12.626	(1.000)	1009503	40.0000	
$ 8 2-Fluorophenol	112	3.655	3.644	(0.745)	1050619	112.306	3622.77
$ 15 Phenol-d5	99	4.536	4.537	(0.925)	1352279	117.582	3792.97
$ 43 Nitrobenzene-d5	82	5.453	5.454	(0.884)	753447	77.6652	2505.33
$ 81 2-Fluorobiphenyl	172	7.233	7.234	(0.916)	1530555	81.8585	2640.60
$ 118 2,4,6-Tribromophenol	330	8.590	8.591	(1.088)	409322	143.605	4632.42
$ 154 Terphenyl-d14	244	10.365	10.401	(0.923)	1770085	87.7289	2829.96(H)
$ 29 1,2-Dichlorobenzene-d4	152	5.065	5.060	(1.032)	477381	73.0621	2356.84
$ 22 2-Chlorophenol-d4	132	4.695	4.696	(0.957)	1125681	126.270	4073.22
4 1,4-Dioxane	88	2.021	2.028	(0.412)	111870	27.0748	873.382
6 Pyridine	79	2.374	2.381	(0.484)	186549	17.0478	549.928(R)
5 N-Nitrosodimethylamine	74	2.333	2.334	(0.476)	320409	52.7489	1701.58
18 Aniline	93	4.589	4.590	(0.935)	580765	39.2832	1267.20
16 Phenol	94	4.548	4.549	(0.927)	739841	61.6376	1988.31
20 Bis(2-chloroethyl) ether	93	4.630	4.631	(0.944)	534749	62.2107	2006.80
23 2-Chlorophenol	128	4.712	4.707	(0.960)	601562	61.4109	1981.00
25 1,3-Dichlorobenzene	146	4.853	4.854	(0.989)	621360	56.2854	1815.66

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
27 1,4-Dichlorobenzene	146	4.924	4.925	(1.004)	628628	56.6772	1828.30
28 Benzyl alcohol	108	5.030	5.031	(1.025)	410095	63.9546	2063.05
30 1,2-Dichlorobenzene	146	5.077	5.078	(1.035)	596201	57.8699	1866.77
32 2-Methylphenol	108	5.135	5.130	(1.047)	567713	61.5338	1984.96
34 2,2'-oxybis(1-chloropropane)	45	5.141	5.142	(1.048)	640762	58.7747	1895.96(Q)
138 3-Methylphenol	108	5.282	5.283	(1.077)	1169621	121.747	3927.32
36 4-Methylphenol	108	5.282	5.283	(1.077)	1169621	121.747	3927.32
139 3 & 4-Methylphenol	108	5.282	5.283	(1.077)	1169621	121.747	3927.32
37 N-nitrosodi-n-propylamine	70	5.276	5.277	(1.075)	388096	59.2245	1910.47
41 Hexachloroethane	117	5.406	5.407	(1.102)	220984	52.1453	1682.11
44 Nitrobenzene	77	5.476	5.477	(0.888)	577645	60.7961	1961.16
47 Isophorone	82	5.688	5.689	(0.922)	1050280	63.0941	2035.29
49 2-Nitrophenol	139	5.788	5.789	(0.938)	301893	64.6986	2087.05
50 2,4-Dimethylphenol	107	5.805	5.800	(0.941)	618573	70.0061	2258.26
52 Bis(2-chloroethoxy)methane	93	5.887	5.888	(0.954)	659109	62.2065	2006.66
53 Benzoic acid	122	Compound Not Detected.					
54 2,4-Dichlorophenol	162	6.023	6.024	(0.976)	521621	67.3193	2171.59
57 1,2,4-Trichlorobenzene	180	6.105	6.106	(0.990)	510416	57.7611	1863.26
59 Naphthalene	128	6.193	6.194	(1.004)	1634738	60.0592	1937.39
60 4-Chloroaniline	127	6.240	6.241	(1.011)	587989	50.0904	1615.82
62 Hexachlorobutadiene	225	6.287	6.288	(1.019)	296349	63.0453	2033.72
68 4-Chloro-3-methylphenol	107	6.710	6.711	(1.088)	557415	68.9324	2223.62
71 2-Methylnaphthalene	142	6.874	6.876	(1.114)	1145648	61.5426	1985.24
72 1-Methylnaphthalene	142	6.980	6.981	(1.131)	1140710	63.4806	2047.76
74 Hexachlorocyclopentadiene	237	7.021	7.022	(0.889)	120425	23.1963	748.267(R)
78 2,4,6-Trichlorophenol	196	7.157	7.158	(0.906)	394252	73.6555	2375.98
80 2,4,5-Trichlorophenol	196	7.204	7.205	(0.912)	411965	68.0539	2195.29
86 2-Chloronaphthalene	162	7.368	7.369	(0.933)	1104406	66.0050	2129.19
88 2-Nitroaniline	65	7.474	7.475	(0.946)	355397	73.1757	2360.51
91 Dimethyl phthalate	163	7.609	7.616	(0.964)	1252017	67.8978	2190.25
93 2,6-Dinitrotoluene	165	7.691	7.692	(0.974)	308589	67.4302	2175.17
94 Acenaphthylene	152	7.773	7.774	(0.984)	1841431	69.4942	2241.75
95 3-Nitroaniline	138	7.862	7.863	(0.996)	317097	58.7425	1894.92
97 Acenaphthene	153	7.926	7.927	(1.004)	1123132	66.2993	2138.68
98 2,4-Dinitrophenol	184	Compound Not Detected.					
99 4-Nitrophenol	109	8.008	8.009	(1.014)	205703	69.9817	2257.47
101 2,4-Dinitrotoluene	165	8.061	8.062	(1.021)	407947	69.1292	2229.97
102 Dibenzofuran	168	8.079	8.080	(1.023)	1618558	67.8865	2189.89
107 Diethyl phthalate	149	8.238	8.239	(1.043)	1281380	69.2812	2234.88
109 4-Chlorophenyl phenyl ether	204	8.361	8.362	(1.059)	647880	71.6166	2310.21
110 Fluorene	166	8.379	8.386	(1.061)	1350515	67.7447	2185.31
112 4-Nitroaniline	138	8.402	8.409	(1.064)	354652	67.2842	2170.46
113 4,6-Dinitro-2-methylphenol	198	8.414	8.415	(0.918)	35378	10.4233	336.237(QR)
115 N-nitrosodiphenylamine	169	8.467	8.468	(0.924)	1001706	60.5261	1952.45
116 Azobenzene	77	8.496	8.497	(1.076)	1339010	68.6718	2215.22
234 1,2-DPH(as Azobenzene)	77	8.496	8.497	(1.076)	1339010	69.4254	2239.53
124 4-Bromophenyl phenyl ether	248	8.772	8.773	(0.957)	392947	72.7425	2346.53
125 Hexachlorobenzene	284	8.843	8.844	(0.965)	410874	71.9277	2320.25
129 Pentachlorophenol	266	9.001	9.002	(0.982)	216465	56.2390	1814.16
136 Phenanthrene	178	9.184	9.185	(1.002)	1901336	67.9746	2192.73
137 Anthracene	178	9.225	9.226	(1.006)	1977135	70.3259	2268.58
140 Carbazole	167	9.348	9.355	(1.020)	1815632	66.3720	2141.03
143 Di-n-butyl phthalate	149	9.542	9.549	(1.041)	2173618	71.9934	2322.37
149 Fluoranthene	202	10.112	10.136	(1.103)	2087048	68.9646	2224.66
151 Benzidine	184	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
152 Pyrene	202	10.300	10.330	(0.917)	2137056	70.2966	2267.63
159 Butyl benzyl phthalate	149	10.699	10.753	(0.952)	949457	72.3134	2332.69(H)
164 3 3'-Dichlorobenzidine	252	11.175	11.259	(0.995)	506083	46.7271	1507.32
165 Benzo(a)anthracene	228	11.222	11.306	(0.999)	2022167	68.0652	2195.65(H)
167 Chrysene	228	11.252	11.341	(1.002)	1917874	64.7208	2087.77
162 Bis(2-ethylhexyl) phthalate	149	11.093	11.176	(0.987)	1369166	73.1344	2359.17(H)
168 Di-n-octyl phthalate	149	11.587	11.705	(1.031)	2336618	73.2637	2363.34(H)
171 Benzo(b)fluoranthene	252	12.121	12.234	(0.969)	2086093	74.0483	2388.65(H)
172 Benzo(k)fluoranthene	252	12.145	12.263	(0.970)	2046730	64.5125	2081.05
178 Benzo(a)pyrene	252	12.456	12.575	(0.995)	1757592	64.7020	2087.16
186 Indeno(1,2,3-cd)pyrene	276	13.808	13.944	(1.229)	2053296	63.8707	2060.35
185 Dibenz(a,h)anthracene	278	13.802	13.932	(1.103)	1796084	71.9914	2322.30
188 Benzo(g,h,i)perylene	276	14.219	14.349	(1.136)	1849814	67.9166	2190.86

QC Flag Legend

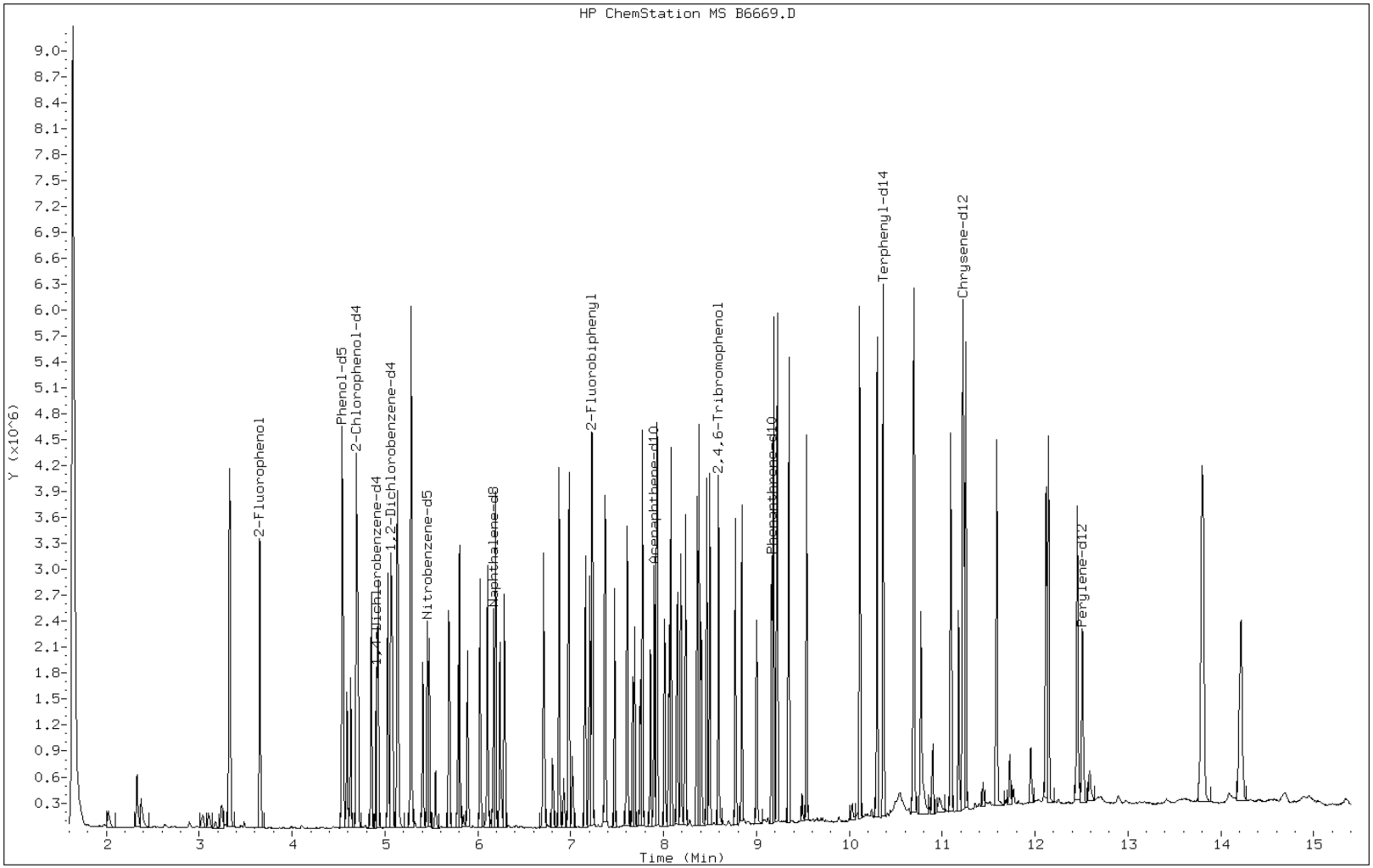
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: B6669.D

Date: 30-AUG-2011 23:58

Client ID: NWO-178-5002 Instrument: B.i

Sample Info: 280-19387-E-3-GMS Operator: KIEKELD



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19387-1

SDG No.:

Client Sample ID: NWO-178-5002 MSD | Lab Sample ID: 280-19387-3 MSD

Matrix: Solid | Lab File ID: B6670.D

Analysis Method: 8270C/DoD | Date Collected: 08/17/2011 16:46

Extract. Method: 3550C | Date Extracted: 08/24/2011 08:50

Sample wt/vol: 30.4(g) | Date Analyzed: 08/31/2011 00:18

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

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

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

Analysis Batch No.: 83845 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-12-7	Anthracene	2180		326	16.8
67-72-1	Hexachloroethane	1740		326	21.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	93		35-125
321-60-8	2-Fluorobiphenyl	82		45-105
367-12-4	2-Fluorophenol (Surr)	78		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	83		35-100
4165-62-2	Phenol-d5 (Surr)	80		40-100
1718-51-0	Terphenyl-d14 (Surr)	86		30-125

TestAmerica

BNA ANALYSIS QUANTITATION REPORT

Data file : \\DenSvr03\Public\chem\MSS\B.i\083011.B\B6670.D
Lab Smp Id: 280-19387-E-3-H MSD Client Smp ID: NWO-178-5002
Inj Date : 31-AUG-2011 00:18
Operator : KIEKELD Inst ID: B.i
Smp Info : 280-19387-E-3-HMSD
Misc Info : 280-19387-E-3-H MSD
Comment : SOP#CORP-MS-0001DEN, revision1.1
Method : \\DenSvr03\Public\chem\MSS\B.i\083011.B\8270C.m
Meth Date : 31-Aug-2011 08:49 kiekeld Quant Type: ISTD
Cal Date : 29-AUG-2011 11:42 Cal File: B6600.D
Als bottle: 33 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: HSL-9H-LCS.sub
Target Version: 4.14
Processing Host: DENPC307

Concentration Formula: Amt * DF * Vf/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	final volume at end of extraction (uL)
Ws	30.400	weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 26 1,4-Dichlorobenzene-d4	152	4.909	4.906	(1.000)	271226	40.0000	
* 58 Naphthalene-d8	136	6.173	6.169	(1.000)	1058095	40.0000	
* 96 Acenaphthene-d10	164	7.900	7.897	(1.000)	616947	40.0000	
* 135 Phenanthrene-d10	188	9.163	9.166	(1.000)	1045320	40.0000	
* 166 Chrysene-d12	240	11.220	11.304	(1.000)	1085279	40.0000	
* 179 Perylene-d12	264	12.489	12.626	(1.000)	1016517	40.0000	
$ 8 2-Fluorophenol	112	3.652	3.644	(0.744)	1114260	117.008	3848.93
$ 15 Phenol-d5	99	4.539	4.537	(0.925)	1399500	119.541	3932.27
$ 43 Nitrobenzene-d5	82	5.456	5.454	(0.884)	812354	83.4773	2745.96
$ 81 2-Fluorobiphenyl	172	7.230	7.234	(0.915)	1562608	82.4341	2711.65
$ 118 2,4,6-Tribromophenol	330	8.593	8.591	(1.088)	404753	140.067	4607.48
$ 154 Terphenyl-d14	244	10.362	10.401	(0.924)	1766952	86.4370	2843.32
$ 29 1,2-Dichlorobenzene-d4	152	5.062	5.060	(1.031)	502354	75.5278	2484.47
$ 22 2-Chlorophenol-d4	132	4.692	4.696	(0.956)	1173455	129.307	4253.51
4 1,4-Dioxane	88	2.019	2.028	(0.411)	127377	30.2840	996.184
6 Pyridine	79	2.371	2.381	(0.483)	207448	18.6232	612.604
5 N-Nitrosodimethylamine	74	2.330	2.334	(0.475)	334681	54.1265	1780.48
18 Aniline	93	4.592	4.590	(0.935)	583591	38.7780	1275.59
16 Phenol	94	4.551	4.549	(0.927)	752552	61.5904	2026.00
20 Bis(2-chloroethyl) ether	93	4.633	4.631	(0.944)	548609	62.6971	2062.41
23 2-Chlorophenol	128	4.710	4.707	(0.959)	620671	62.2438	2047.49
25 1,3-Dichlorobenzene	146	4.851	4.854	(0.988)	641021	57.0420	1876.38

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
27 1,4-Dichlorobenzene	146	4.927	4.925	(1.004)	658661	58.3373	1918.99
28 Benzyl alcohol	108	5.033	5.031	(1.025)	407083	62.3648	2051.47
30 1,2-Dichlorobenzene	146	5.074	5.078	(1.034)	619312	59.0526	1942.52
32 2-Methylphenol	108	5.133	5.130	(1.045)	566900	60.3617	1985.58
34 2,2'-oxybis(1-chloropropane)	45	5.144	5.142	(1.048)	656681	59.1723	1946.46(Q)
138 3-Methylphenol	108	5.285	5.283	(1.077)	1161287	118.747	3906.14
36 4-Methylphenol	108	5.285	5.283	(1.077)	1161287	118.747	3906.14
139 3 & 4-Methylphenol	108	5.285	5.283	(1.077)	1161287	118.747	3906.14
37 N-nitrosodi-n-propylamine	70	5.274	5.277	(1.074)	402285	60.3067	1983.77
41 Hexachloroethane	117	5.409	5.407	(1.102)	228622	52.9959	1743.29
44 Nitrobenzene	77	5.473	5.477	(0.887)	615853	64.6161	2125.53
47 Isophorone	82	5.691	5.689	(0.922)	1067246	63.9142	2102.44
49 2-Nitrophenol	139	5.785	5.789	(0.937)	319752	68.3131	2247.14
50 2,4-Dimethylphenol	107	5.802	5.800	(0.940)	611074	68.9427	2267.85
52 Bis(2-chloroethoxy)methane	93	5.891	5.888	(0.954)	672700	63.2920	2081.98
53 Benzoic acid	122	Compound Not Detected.					
54 2,4-Dichlorophenol	162	6.026	6.024	(0.976)	524031	67.4203	2217.77
57 1,2,4-Trichlorobenzene	180	6.102	6.106	(0.989)	523540	59.0623	1942.84
59 Naphthalene	128	6.190	6.194	(1.003)	1696704	62.1422	2044.15
60 4-Chloroaniline	127	6.237	6.241	(1.010)	573599	48.7127	1602.39
62 Hexachlorobutadiene	225	6.290	6.288	(1.019)	304851	64.6527	2126.73
68 4-Chloro-3-methylphenol	107	6.707	6.711	(1.087)	535169	65.9758	2170.26
71 2-Methylnaphthalene	142	6.878	6.876	(1.114)	1159933	62.1164	2043.30
72 1-Methylnaphthalene	142	6.978	6.981	(1.130)	1134169	62.9206	2069.76
74 Hexachlorocyclopentadiene	237	7.019	7.022	(0.888)	131958	25.0715	824.719(R)
78 2,4,6-Trichlorophenol	196	7.160	7.158	(0.906)	378906	69.8240	2296.84
80 2,4,5-Trichlorophenol	196	7.201	7.205	(0.912)	407781	66.4449	2185.69
86 2-Chloronaphthalene	162	7.371	7.369	(0.933)	1096262	64.6255	2125.84
88 2-Nitroaniline	65	7.471	7.475	(0.946)	347194	70.5127	2319.50
91 Dimethyl phthalate	163	7.612	7.616	(0.964)	1240733	66.3691	2183.19
93 2,6-Dinitrotoluene	165	7.689	7.692	(0.973)	310618	66.9488	2202.26
94 Acenaphthylene	152	7.771	7.774	(0.984)	1835690	68.3337	2247.82
95 3-Nitroaniline	138	7.859	7.863	(0.995)	313800	57.3397	1886.17
97 Acenaphthene	153	7.929	7.927	(1.004)	1097164	63.8839	2101.44
98 2,4-Dinitrophenol	184	Compound Not Detected.					
99 4-Nitrophenol	109	8.012	8.009	(1.014)	202889	68.0839	2239.60
101 2,4-Dinitrotoluene	165	8.059	8.062	(1.020)	405526	67.7826	2229.69
102 Dibenzofuran	168	8.082	8.080	(1.023)	1577333	65.2560	2146.58
107 Diethyl phthalate	149	8.235	8.239	(1.042)	1253108	66.8295	2198.34
109 4-Chlorophenyl phenyl ether	204	8.358	8.362	(1.058)	625571	68.2084	2243.70
110 Fluorene	166	8.382	8.386	(1.061)	1318076	65.2166	2145.28
112 4-Nitroaniline	138	8.405	8.409	(1.064)	317610	59.4356	1955.12
113 4,6-Dinitro-2-methylphenol	198	8.417	8.415	(0.919)	41136	11.7993	388.135(QR)
115 N-nitrosodiphenylamine	169	8.464	8.468	(0.924)	966674	56.8648	1870.55
116 Azobenzene	77	8.499	8.497	(1.076)	1310987	66.3185	2181.53
234 1,2-DPH(as Azobenzene)	77	8.499	8.497	(1.076)	1310987	67.0464	2205.47
124 4-Bromophenyl phenyl ether	248	8.775	8.773	(0.958)	378986	68.3028	2246.80
125 Hexachlorobenzene	284	8.846	8.844	(0.965)	403395	68.7510	2261.54
129 Pentachlorophenol	266	9.005	9.002	(0.983)	199327	50.4170	1658.45
136 Phenanthrene	178	9.187	9.185	(1.003)	1863933	64.8752	2134.05
137 Anthracene	178	9.222	9.226	(1.006)	1911396	66.1897	2177.29
140 Carbazole	167	9.345	9.355	(1.020)	1763228	62.7518	2064.20
143 Di-n-butyl phthalate	149	9.539	9.549	(1.041)	2102305	67.7901	2229.94
149 Fluoranthene	202	10.109	10.136	(1.103)	2038540	65.5803	2157.25
151 Benzidine	184	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
152 Pyrene	202	10.297	10.330	(0.918)	2056493	66.7687	2196.34
159 Butyl benzyl phthalate	149	10.691	10.753	(0.953)	930959	69.9843	2302.11(H)
164 3 3'-Dichlorobenzidine	252	11.161	11.259	(0.995)	469844	42.8181	1408.49
165 Benzo(a)anthracene	228	11.208	11.306	(0.999)	1946641	64.6726	2127.39(H)
167 Chrysene	228	11.237	11.341	(1.002)	1935232	64.4590	2120.36
162 Bis(2-ethylhexyl) phthalate	149	11.079	11.176	(0.987)	1338543	70.6282	2323.30(H)
168 Di-n-octyl phthalate	149	11.560	11.705	(1.030)	2282529	70.7186	2326.27(H)
171 Benzo(b)fluoranthene	252	12.095	12.234	(0.968)	1849657	65.2027	2144.82(H)
172 Benzo(k)fluoranthene	252	12.119	12.263	(0.970)	2155613	67.4756	2219.59
178 Benzo(a)pyrene	252	12.430	12.575	(0.995)	1692873	61.8895	2035.84
186 Indeno(1,2,3-cd)pyrene	276	13.781	13.944	(1.228)	1971318	60.5249	1990.95(M)
185 Dibenz(a,h)anthracene	278	13.775	13.932	(1.103)	1715818	68.2996	2246.70(M)
188 Benzo(g,h,i)perylene	276	14.193	14.349	(1.136)	1778172	64.8358	2132.76(M)

QC Flag Legend

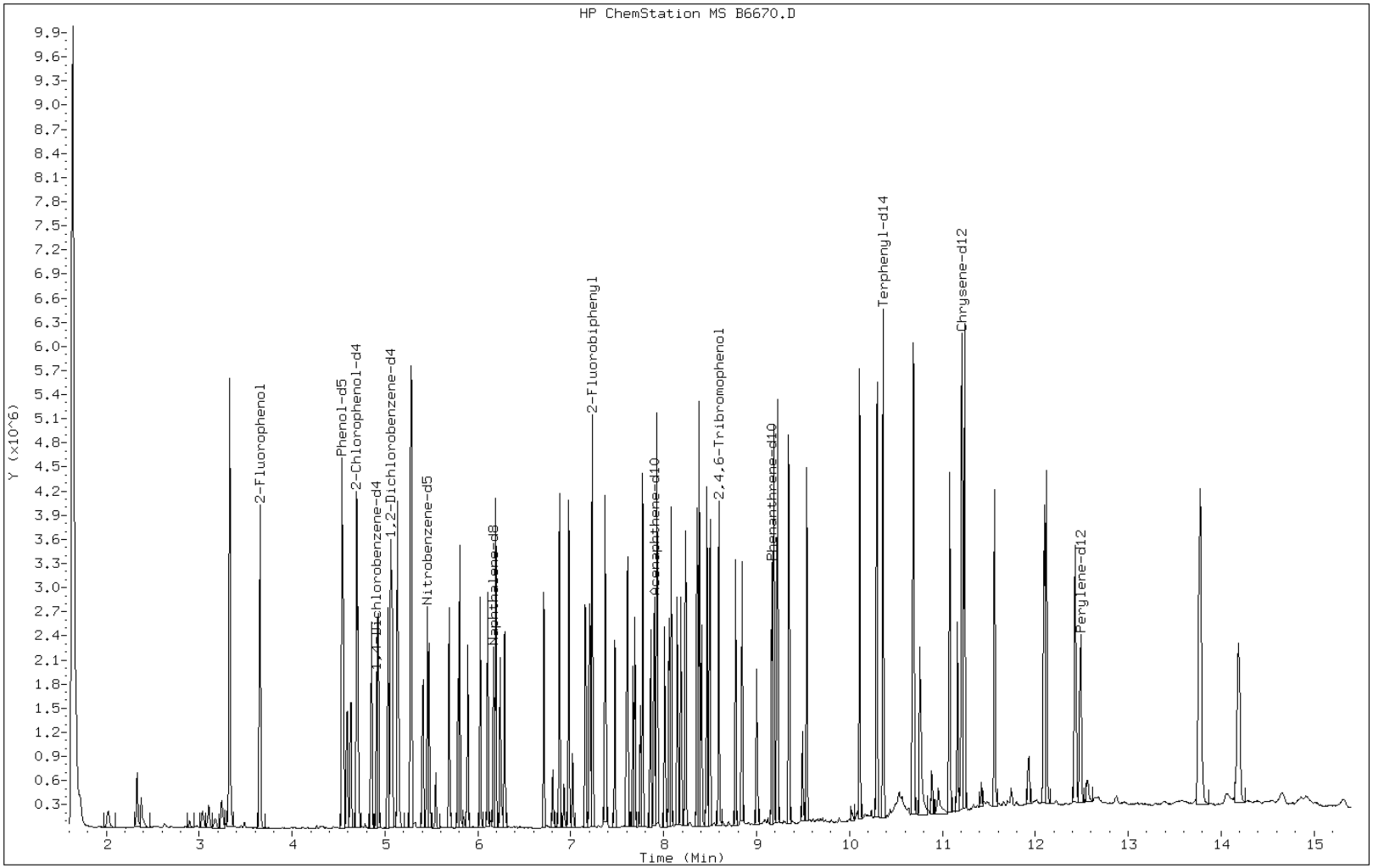
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: B6670.D

Date: 31-AUG-2011 00:18

Client ID: NWO-178-5002 Instrument: B.i

Sample Info: 280-19387-E-3-HMSD Operator: KIEKELD



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Instrument ID: MSS_B Start Date: 07/28/2011 08:41

Analysis Batch Number: 79173 End Date: 07/28/2011 19:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-79173/1		07/28/2011 08:41	1	B6057.D	Vf-5MS (30.25) 0.25(mm)
ICIS 280-79173/2		07/28/2011 15:50	1	B6077.D	Vf-5MS (30.25) 0.25(mm)
STD004 280-79173/3 IC		07/28/2011 16:11	1	B6078.D	Vf-5MS (30.25) 0.25(mm)
STD010 280-79173/4 IC		07/28/2011 16:31	1	B6079.D	Vf-5MS (30.25) 0.25(mm)
STD020 280-79173/5 IC		07/28/2011 16:52	1	B6080.D	Vf-5MS (30.25) 0.25(mm)
STD050 280-79173/6 IC		07/28/2011 17:13	1	B6081.D	Vf-5MS (30.25) 0.25(mm)
STD120 280-79173/7 IC		07/28/2011 17:33	1	B6082.D	Vf-5MS (30.25) 0.25(mm)
STD160 280-79173/8 IC		07/28/2011 17:54	1	B6083.D	Vf-5MS (30.25) 0.25(mm)
STD200 280-79173/9 IC		07/28/2011 18:15	1	B6084.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-79173/10		07/28/2011 18:35	1	B6085.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-79173/11		07/28/2011 18:56	1	B6086.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-79173/12		07/28/2011 19:16	1	B6087.D	Vf-5MS (30.25) 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Instrument ID: MSS_B Start Date: 08/30/2011 13:25

Analysis Batch Number: 83845 End Date: 08/31/2011 01:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-83845/1		08/30/2011 13:25	1	B6638.D	Vf-5MS (30.25) 0.25(mm)
CCV 280-83845/2		08/30/2011 13:36	1	B6639.D	Vf-5MS (30.25) 0.25(mm)
CCV 280-83845/3		08/30/2011 13:56	1		Vf-5MS (30.25) 0.25(mm)
CCV 280-83845/4		08/30/2011 14:17	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 14:38	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 14:59	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 15:20	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 15:41	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 16:01	1		Vf-5MS (30.25) 0.25(mm)
MB 280-82752/1-A		08/30/2011 16:22	1	B6647.D	Vf-5MS (30.25) 0.25(mm)
LCS 280-82752/2-A		08/30/2011 16:43	1	B6648.D	Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 17:04	10		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 17:25	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 17:45	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 18:06	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 18:27	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 18:48	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 19:09	10		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 19:29	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 19:50	10		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 20:11	10		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 20:31	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 20:52	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 21:13	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 21:34	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 21:54	10		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 22:15	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/30/2011 22:35	1		Vf-5MS (30.25) 0.25(mm)
280-19387-1	NWO-178-1001	08/30/2011 22:56	1	B6666.D	Vf-5MS (30.25) 0.25(mm)
280-19387-2	NWO-178-1002	08/30/2011 23:17	1	B6667.D	Vf-5MS (30.25) 0.25(mm)
280-19387-3	NWO-178-5002	08/30/2011 23:37	1	B6668.D	Vf-5MS (30.25) 0.25(mm)
280-19387-3 MS	NWO-178-5002 MS	08/30/2011 23:58	1	B6669.D	Vf-5MS (30.25) 0.25(mm)
280-19387-3 MSD	NWO-178-5002 MSD	08/31/2011 00:18	1	B6670.D	Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/31/2011 00:39	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/31/2011 01:00	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		08/31/2011 01:20	1		Vf-5MS (30.25) 0.25(mm)

GC/MS SVOAContinuing Calibration Review Checklist
Denver

TestAmerica

Instrument ID and Date: B HSL/AP9/BZHD 083011

Check Method Used: Analysis ☐ 625 ☒ 8270 ☐ Other SV _____

Review Items	----- Level 1 ----- Yes	No	N/A	Level 2	Comments
Continuing Calibration					
1. DFTPP meets criteria?	X			✓	
2. ICAL date and instrument ID verified?	X			✓	
3. Do SPCC RRFs and CCC %Ds meet method criteria?	X			✓	
4. Does %D meet criteria for non-CCC compounds?	X			✓	
5. Isomeric pairs checked for correct peak assignment?	X			✓	
6. Standards traceability properly documented?	X			✓	
7. Manual integrations documented and checked?			X	NA	
8. Do the Internal Standards meet criteria for %D against ICAL?	X			✓	

Caprolactam = -38.1%D

1st Level Reviewer: [signature] Date: 08/31/11

2nd Level Reviewer: MH Date: 8/31/11

Revision 0
9/28/10
G:\QA\Edit\Forms\Data Review\GCMS SVOA CCV

Injection Log

Directory: C:\HPCHEM\1\DATA\083011.B

8/31/11

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	100	B6637.d	1.	RINSE		30 Aug 2011 13:06
2	1	B6638.d	1.	DFTPP-376439,,MS-DFTPP		30 Aug 2011 13:25
3	2	B6639.d	1.	CCV-921008,,MS-HSL080_00030		30 Aug 2011 13:36
4	3	B6640.d	1.	CCV-909140,,MS-AP9080_00015		30 Aug 2011 13:56
5	4	B6641.d	1.	CCV-771780,,MS-BZHD080_00006		30 Aug 2011 14:17
6	5	B6642.d	1.	MB280-83404_1-A	83404-HAB	30 Aug 2011 14:38
7	6	B6643.d	1.	LCS280-83404_2-A	83404-HAB	30 Aug 2011 14:59
8	7	B6644.d	1.	LCSD280-83404_3-A	83404-HAB	30 Aug 2011 15:20
9	8	B6645.d	1.	MB280-83494_1-A	83494-HAB	30 Aug 2011 15:41
10	9	B6646.d	1.	LCS280-83494_2-A	83494-HAB	30 Aug 2011 16:01
11	10	B6647.d	1.	MB280-82752_1-A	82752-H	30 Aug 2011 16:22
12	11	B6648.d	1.	LCS280-82752_2-A	82752-H	30 Aug 2011 16:43
13	12	B6649.d	1.	280-19429-B-6-A,10, T.C.	82862-HA	30 Aug 2011 17:04
14	13	B6650.d	1.	280-19632-D-20-A	83404-HAB	30 Aug 2011 17:25
15	14	B6651.d	1.	280-19632-A-1-A	83494-HAB	30 Aug 2011 17:45
16	15	B6652.d	1.	280-19632-A-2-A	83494-HAB	30 Aug 2011 18:06
17	16	B6653.d	1.	280-19632-A-2-BMS	83494-HAB	30 Aug 2011 18:27
18	17	B6654.d	1.	280-19632-A-2-CMSD	83494-HAB	30 Aug 2011 18:48
19	18	B6655.d	1.	280-19632-A-5-A,10, VISC	83494-HAB	30 Aug 2011 19:09
20	19	B6656.d	1.	280-19632-A-6-A	83494-HAB	30 Aug 2011 19:29
21	20	B6657.d	1.	280-19632-A-7-A,10, VISC	83494-HAB	30 Aug 2011 19:50
22	21	B6658.d	1.	280-19632-A-8-A,10, ↓	83494-HAB	30 Aug 2011 20:11
23	22	B6659.d	1.	280-19632-A-9-A	83494-HAB	30 Aug 2011 20:31
24	23	B6660.d	1.	280-19632-A-11-A	83494-HAB	30 Aug 2011 20:52
25	24	B6661.d	1.	280-19632-A-12-A	83494-HAB	30 Aug 2011 21:13
26	25	B6662.d	1.	280-19632-A-16-A/50% MATRIX	83494-HAB	30 Aug 2011 21:34
27	26	B6663.d	1.	280-19632-A-17-A,10, VISC	83494-HAB	30 Aug 2011 21:54
28	27	B6664.d	1.	280-19632-A-18-A	83494-HAB	30 Aug 2011 22:15
29	28	B6665.d	1.	280-19632-A-19-A	83494-HAB	30 Aug 2011 22:35
30	29	B6666.d	1.	280-19387-B-1-D	82752-H	30 Aug 2011 22:56
31	30	B6667.d	1.	280-19387-B-2-F	82752-H	30 Aug 2011 23:17
32	31	B6668.d	1.	280-19387-E-3-F	82752-H	30 Aug 2011 23:37
33	32	B6669.d	1.	280-19387-E-3-GMS	82752-H	30 Aug 2011 23:58
34	33	B6670.d	1.	280-19387-E-3-HMSD	82752-H	31 Aug 2011 00:18
35	34	B6671.d	1.	280-19315-B-11-C	82752-H	31 Aug 2011 00:39
36	35	B6672.d	1.	280-19315-C-11-CMS	82752-H	31 Aug 2011 01:00
37	36	B6673.d	1.	280-19315-A-11-CMSD	82752-H	31 Aug 2011 01:20
38	37	B6674.d	1.	280-19315-A-9-C P.P. Tune Time	82752-H	31 Aug 2011 01:41
39	38	B6675.d	1.	280-19315-B-10-C ↓	82752-H	31 Aug 2011 02:01
40	98	B6676.d	1.	RINSE		31 Aug 2011 02:22
41	99	B6677.d	1.	RINSE		31 Aug 2011 02:42
42	100	B6678.d	1.	RINSE		31 Aug 2011 03:03
43	98	B6679.d	1.	RINSE		31 Aug 2011 03:23
44	99	B6680.d	1.	RINSE		31 Aug 2011 03:44
45	100	B6681.d	1.	RINSE		31 Aug 2011 04:04

Diluent Solvent Lot # K07503.

Circle: SOP: DV-MS-0011 (8270C/625) or DV-MS-0002 (PAH SIM) or DV-MS-0005 (PAH for CSLP)

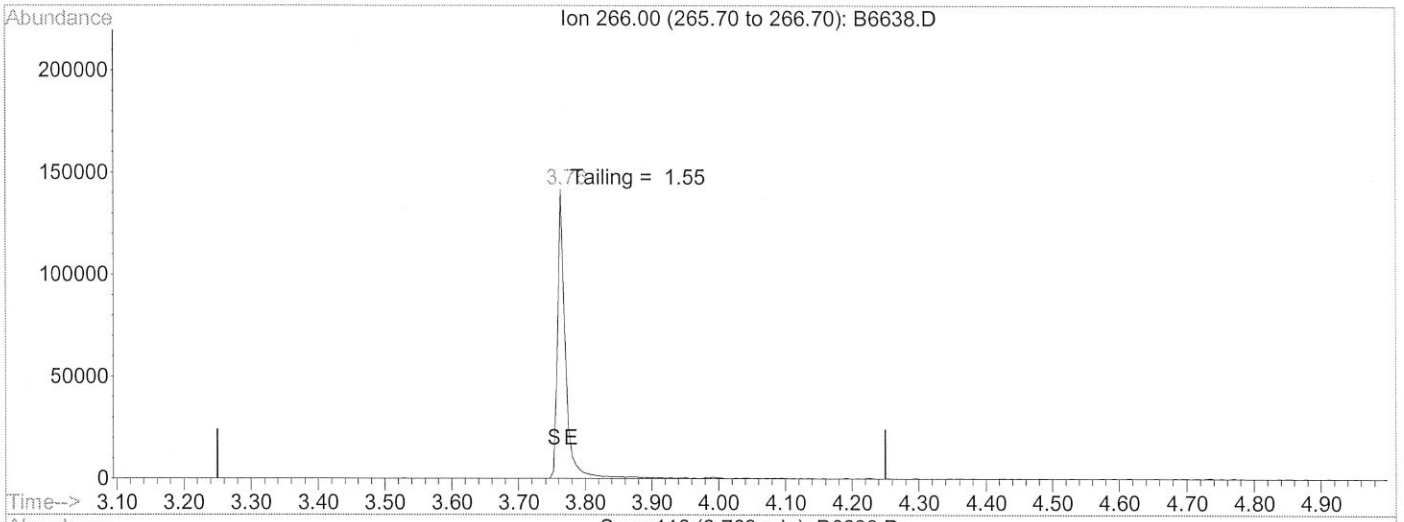
Daily Maintenance Performed: replaced septa, liner, seal, washer, ferrule, cleaned port, cut 60cm col. 8/31/11

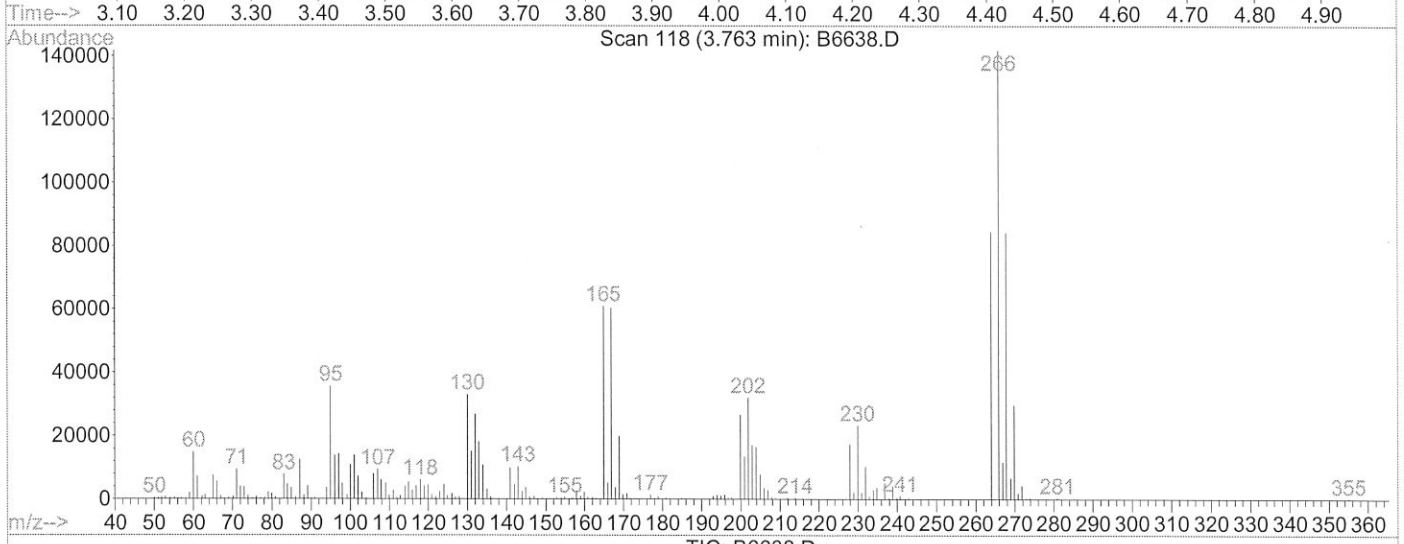
100

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\083011.B\B6638.D Vial: 1
Acq On : 30 Aug 2011 1:25 pm Operator: KIEKELD
Sample : DFTPP-376439,,MS-DFTPP Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Aug 30 15:03 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Thu Jun 24 19:00:24 2010
Response via : Single Level Calibration





(1) Pentachlorophenol (Tailing<5)

3.77min 0.00

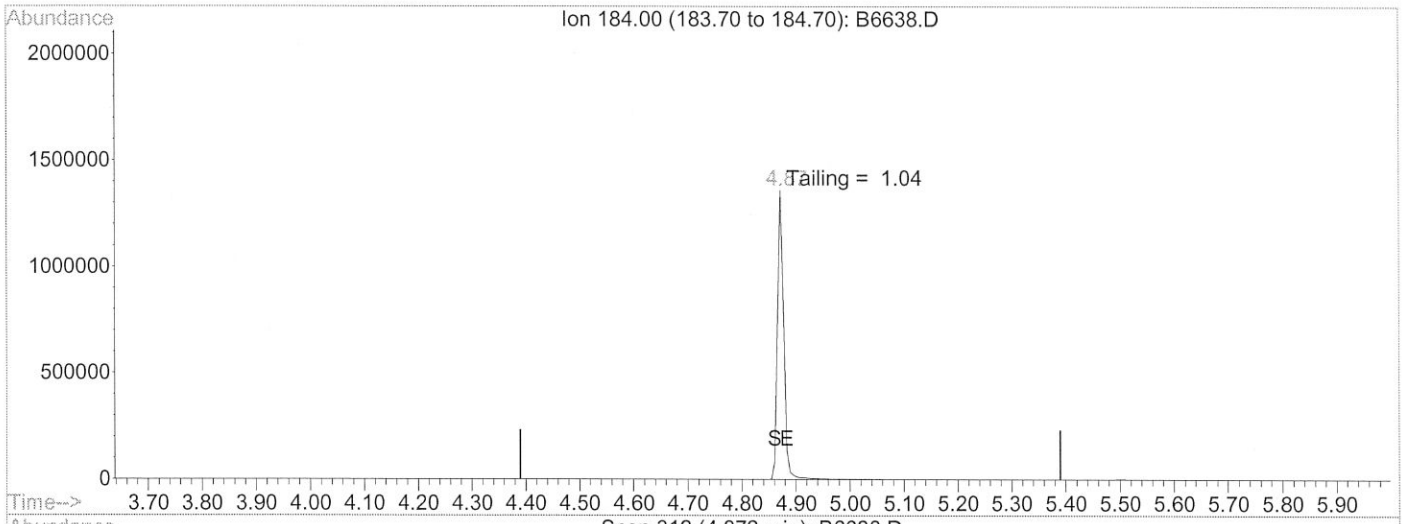
response 1125894

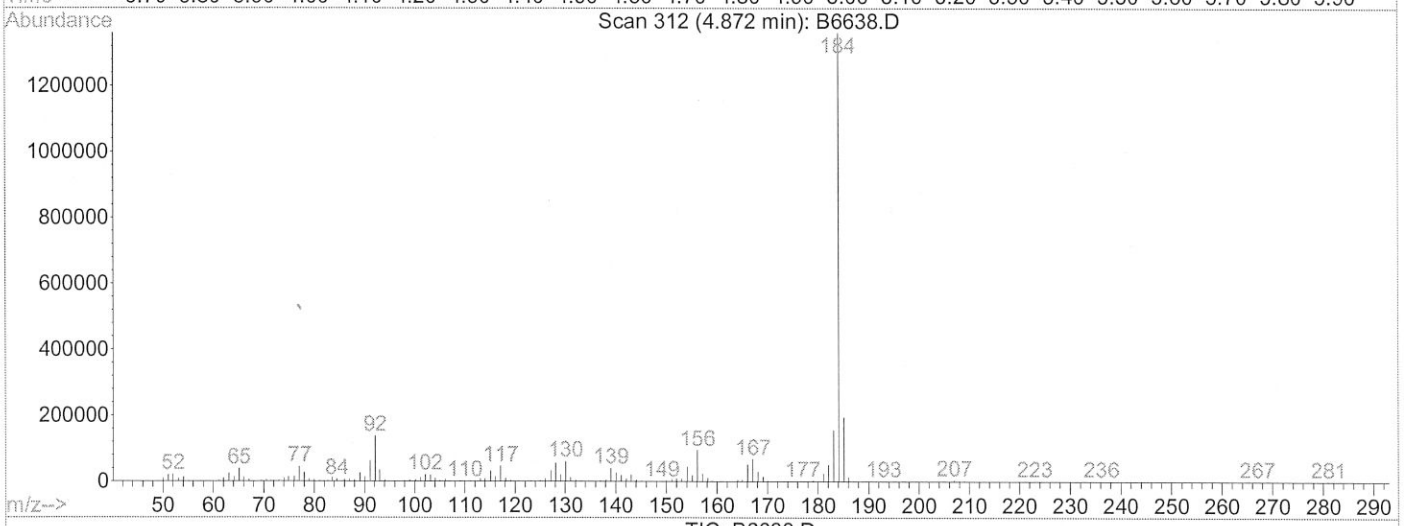
Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\083011.B\B6638.D Vial: 1
Acq On : 30 Aug 2011 1:25 pm Operator: KIEKELD
Sample : DFTPP-376439,,MS-DFTPP Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Aug 30 15:03 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Thu Jun 24 19:00:24 2010
Response via : Single Level Calibration





TIC: B6638.D

(2) Benzidine (Tailing<3)

4.87min 0.00

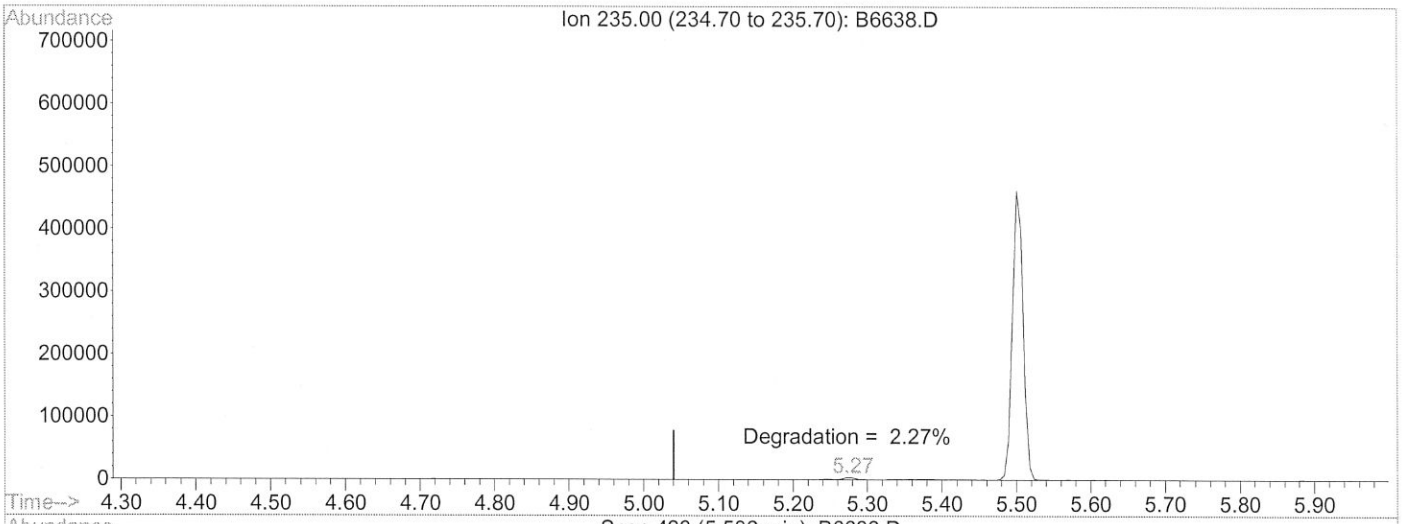
response 10700323

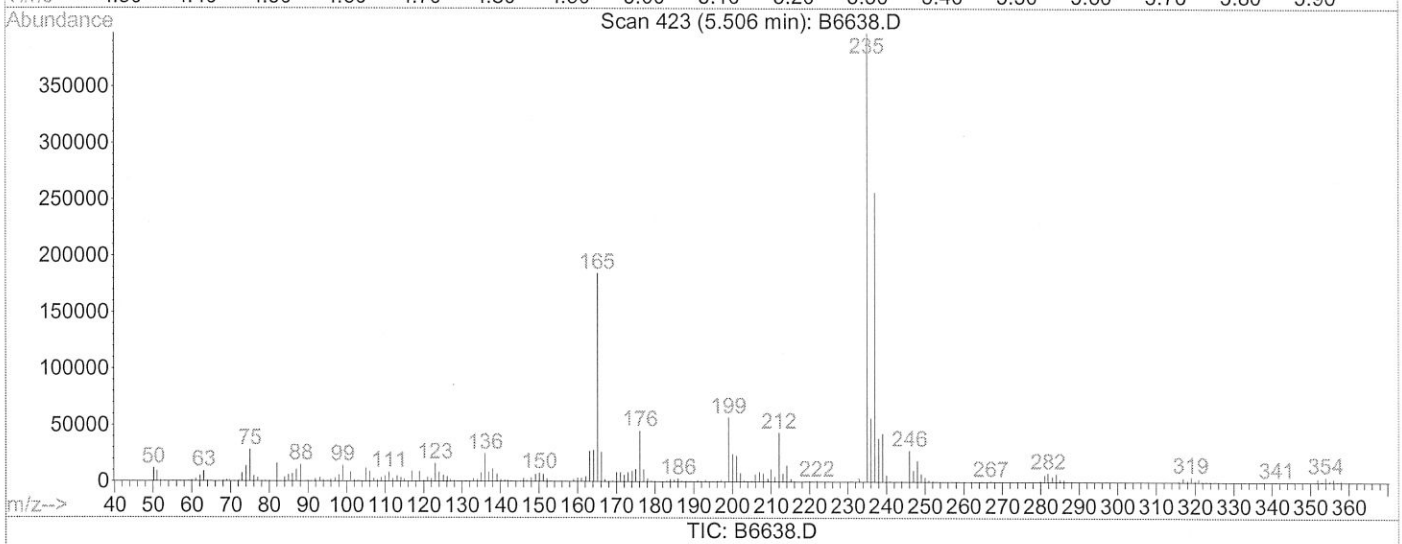
Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\083011.B\B6638.D Vial: 1
Acq On : 30 Aug 2011 1:25 pm Operator: KIEKELD
Sample : DFTPP-376439,,MS-DFTPP Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Aug 30 15:03 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Thu Jun 24 19:00:24 2010
Response via : Single Level Calibration





TIC: B6638.D

(3) 4,4'-DDT (Degradation<20%)

5.50min 0.00

response 4620264

Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Report Date: 31-Aug-2011 09:48

Calibration History

Method : \\DenSvr03\Public\chem\MSS\B.i\083011.B\8270C.m
Start Cal Date: 27-JUL-2011 10:39
End Cal Date : 29-AUG-2011 11:42
Last Cal Level: 8
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 4.00000		
28-JUL-2011 16:11	1-HSL	\\DenSvr03\Public\chem\MSS\B.i\072811b.b\B6078.D

Cal Level: 2 , Cal Amount: 10.00000		
03-AUG-2011 09:28	BRC	\\DenSvr03\Public\chem\MSS\B.i\080311.B\B6141.D
29-JUL-2011 09:16	2-AP9std	\\DenSvr03\Public\chem\MSS\B.i\072911.B\B6091.D
28-JUL-2011 16:31	1-HSL	\\DenSvr03\Public\chem\MSS\B.i\072811b.b\B6079.D
28-JUL-2011 12:08	PHE	\\DenSvr03\Public\chem\MSS\B.i\072811a.b\B6066.D
28-JUL-2011 09:47	4-CUST	\\DenSvr03\Public\chem\MSS\B.i\072811.B\B6059.D
27-JUL-2011 15:10	3-REF	\\DenSvr03\Public\chem\MSS\B.i\072711a.b\B6046.D
27-JUL-2011 10:58	Benzaldehyde	\\DenSvr03\Public\chem\MSS\B.i\072711.B\B6037.D

Cal Level: 3 , Cal Amount: 20.00000		
03-AUG-2011 09:49	BRC	\\DenSvr03\Public\chem\MSS\B.i\080311.B\B6142.D
29-JUL-2011 09:37	2-AP9std	\\DenSvr03\Public\chem\MSS\B.i\072911.B\B6092.D
28-JUL-2011 16:52	1-HSL	\\DenSvr03\Public\chem\MSS\B.i\072811b.b\B6080.D
28-JUL-2011 12:28	PHE	\\DenSvr03\Public\chem\MSS\B.i\072811a.b\B6067.D
28-JUL-2011 10:07	4-CUST	\\DenSvr03\Public\chem\MSS\B.i\072811.B\B6060.D
27-JUL-2011 15:33	3-REF	\\DenSvr03\Public\chem\MSS\B.i\072711a.b\B6047.D
27-JUL-2011 11:18	Benzaldehyde	\\DenSvr03\Public\chem\MSS\B.i\072711.B\B6038.D

Cal Level: 4 , Cal Amount: 50.00000		
03-AUG-2011 10:09	BRC	\\DenSvr03\Public\chem\MSS\B.i\080311.B\B6143.D
29-JUL-2011 09:58	2-AP9std	

```
|\\DenSvr03\Public\chem\MSS\B.i\072911.B\B6093.D                                |
|28-JUL-2011 17:13 |1-HSL              |                                       |
|\\DenSvr03\Public\chem\MSS\B.i\072811b.b\B6081.D                               |
|28-JUL-2011 12:47 |PHE                |                                       |
|\\DenSvr03\Public\chem\MSS\B.i\072811a.b\B6068.D                               |
|28-JUL-2011 10:26 |4-CUST             |                                       |
|\\DenSvr03\Public\chem\MSS\B.i\072811.B\B6061.D                                |
|27-JUL-2011 15:57 |3-REF              |                                       |
|\\DenSvr03\Public\chem\MSS\B.i\072711a.b\B6048.D                               |
|27-JUL-2011 11:38 |Benzaldehyde       |                                       |
|\\DenSvr03\Public\chem\MSS\B.i\072711.B\B6039.D                                |
+------------------+-----------------+---------------------------------------+

+------------------+-----------------+---------------------------------------+
| Cal Level: 5 , Cal Amount: 80.00000                                          |
+==============================================================================+
|03-AUG-2011 09:07 |BRC                |                                       |
|\\DenSvr03\Public\chem\MSS\B.i\080311.B\B6140.D                                |
|29-JUL-2011 08:56 |2-AP9std           |                                       |
|\\DenSvr03\Public\chem\MSS\B.i\072911.B\B6090.D                                |
|28-JUL-2011 15:50 |1-HSL              |                                       |
|\\DenSvr03\Public\chem\MSS\B.i\072811b.b\B6077.D                               |
|28-JUL-2011 13:07 |PHE                |                                       |
|\\DenSvr03\Public\chem\MSS\B.i\072811a.b\B6069.D                               |
|28-JUL-2011 09:28 |4-CUST             |                                       |
|\\DenSvr03\Public\chem\MSS\B.i\072811.B\B6058.D                                |
|27-JUL-2011 14:47 |3-REF              |                                       |
|\\DenSvr03\Public\chem\MSS\B.i\072711a.b\B6045.D                               |
|27-JUL-2011 10:39 |Benzaldehyde       |                                       |
|\\DenSvr03\Public\chem\MSS\B.i\072711.B\B6036.D                                |
+------------------+-----------------+---------------------------------------+

+------------------+-----------------+---------------------------------------+
| Cal Level: 6 , Cal Amount: 120.00000                                         |
+==============================================================================+
|03-AUG-2011 10:30 |BRC                |                                       |
|\\DenSvr03\Public\chem\MSS\B.i\080311.B\B6144.D                                |
|29-JUL-2011 10:18 |2-AP9std           |                                       |
|\\DenSvr03\Public\chem\MSS\B.i\072911.B\B6094.D                                |
|28-JUL-2011 17:33 |1-HSL              |                                       |
|\\DenSvr03\Public\chem\MSS\B.i\072811b.b\B6082.D                               |
|28-JUL-2011 13:27 |PHE                |                                       |
|\\DenSvr03\Public\chem\MSS\B.i\072811a.b\B6070.D                               |
|28-JUL-2011 10:46 |4-CUST             |                                       |
|\\DenSvr03\Public\chem\MSS\B.i\072811.B\B6062.D                                |
|27-JUL-2011 16:20 |3-REF              |                                       |
|\\DenSvr03\Public\chem\MSS\B.i\072711a.b\B6049.D                               |
|27-JUL-2011 11:57 |Benzaldehyde       |                                       |
|\\DenSvr03\Public\chem\MSS\B.i\072711.B\B6040.D                                |
+------------------+-----------------+---------------------------------------+

+------------------+-----------------+---------------------------------------+
| Cal Level: 7 , Cal Amount: 160.00000                                         |
+==============================================================================+
|03-AUG-2011 10:50 |BRC                |                                       |
|\\DenSvr03\Public\chem\MSS\B.i\080311.B\B6145.D                                |
|29-JUL-2011 10:39 |2-AP9std           |                                       |
|\\DenSvr03\Public\chem\MSS\B.i\072911.B\B6095.D                                |
|28-JUL-2011 17:54 |1-HSL              |                                       |
|\\DenSvr03\Public\chem\MSS\B.i\072811b.b\B6083.D                               |
|28-JUL-2011 13:46 |PHE                |                                       |
|\\DenSvr03\Public\chem\MSS\B.i\072811a.b\B6071.D                               |
|28-JUL-2011 11:05 |4-CUST             |                                       |
|\\DenSvr03\Public\chem\MSS\B.i\072811.B\B6063.D                                |
|27-JUL-2011 16:44 |3-REF              |                                       |
|\\DenSvr03\Public\chem\MSS\B.i\072711a.b\B6050.D                               |
```

```
|27-JUL-2011 12:17 |Benzaldehyde      |                                        |
|\\DenSvr03\Public\chem\MSS\B.i\072711.B\B6041.D                                |
+------------------+-----------------+----------------------------------------+

+------------------+-----------------+----------------------------------------+
| Cal Level: 8 , Cal Amount: 200.00000                                         |
+==============================================================================+
|29-AUG-2011 11:42 |10-HEX            |                                        |
|\\DenSvr03\Public\chem\MSS\B.i\082911.B\B6600.D                                |
|03-AUG-2011 11:11 |BRC               |                                        |
|\\DenSvr03\Public\chem\MSS\B.i\080311.B\B6146.D                                |
|29-JUL-2011 10:59 |2-AP9std          |                                        |
|\\DenSvr03\Public\chem\MSS\B.i\072911.B\B6096.D                                |
|28-JUL-2011 18:15 |1-HSL             |                                        |
|\\DenSvr03\Public\chem\MSS\B.i\072811b.b\B6084.D                               |
|28-JUL-2011 14:06 |PHE               |                                        |
|\\DenSvr03\Public\chem\MSS\B.i\072811a.b\B6072.D                               |
|28-JUL-2011 11:25 |4-CUST            |                                        |
|\\DenSvr03\Public\chem\MSS\B.i\072811.B\B6064.D                                |
|27-JUL-2011 17:07 |3-REF             |                                        |
|\\DenSvr03\Public\chem\MSS\B.i\072711a.b\B6051.D                               |
|27-JUL-2011 12:37 |Benzaldehyde      |                                        |
|\\DenSvr03\Public\chem\MSS\B.i\072711.B\B6042.D                                |
+------------------+-----------------+----------------------------------------+


Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 5
+------------------+-----------------+----------------------------------------+
|30-AUG-2011 14:17 |Benzaldehyde      |                                        |
|\\DenSvr03\Public\chem\MSS\B.i\083011.B\B6641.D                                |
|30-AUG-2011 13:56 |2-AP9std          |                                        |
|\\DenSvr03\Public\chem\MSS\B.i\083011.B\B6640.D                                |
|30-AUG-2011 13:36 |1-HSL             |                                        |
|\\DenSvr03\Public\chem\MSS\B.i\083011.B\B6639.D                                |
+------------------+-----------------+----------------------------------------+
```

TestAmerica Denver
GC/MS SVOA Initial Calibration Review Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument ID and Date: B HSL 072811b
Calibration Event 6605 Batch 280-79173

Check Method Used: Analysis ☒ 625 ☒ 8270 ☐ Other SV _____

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Initial Calibration					
1. DFTPP meets criteria?	X			✓	
2. ICAL date and instrument ID verified?	X			✓	
3. Does the Form VI match the data in the Target source method?	X			✓	
4. Sufficient number of calibration points used?	X			✓	
5. Reasons for removal of points documented?	X			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	X			✓	
7. If RRF used for ICAL, were all compounds within 15% RSD?			X	NA	List all exceptions below (cpd & RSD)
8. Response factors meet criteria?	X			✓	
9. Isomeric pairs checked for correct peak assignment?	X			✓	
10. Data checked for detector saturation?	X			✓	
11. Standards traceability properly documented?	X			✓	
12. Manual integrations ~~documented~~ and checked?			X	NA	
13. 2nd source ICV recovery 75-125% (±25%drift)for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.	X			✓	

1st Level Reviewer: [signature] Date: 08/01/11

2nd Level Reviewer: VMJ Date: 8/1/11

Revision 0
09/28/2010
G:\QA\Edit\Forms|GCMS SVOA ICAL

Injection Log

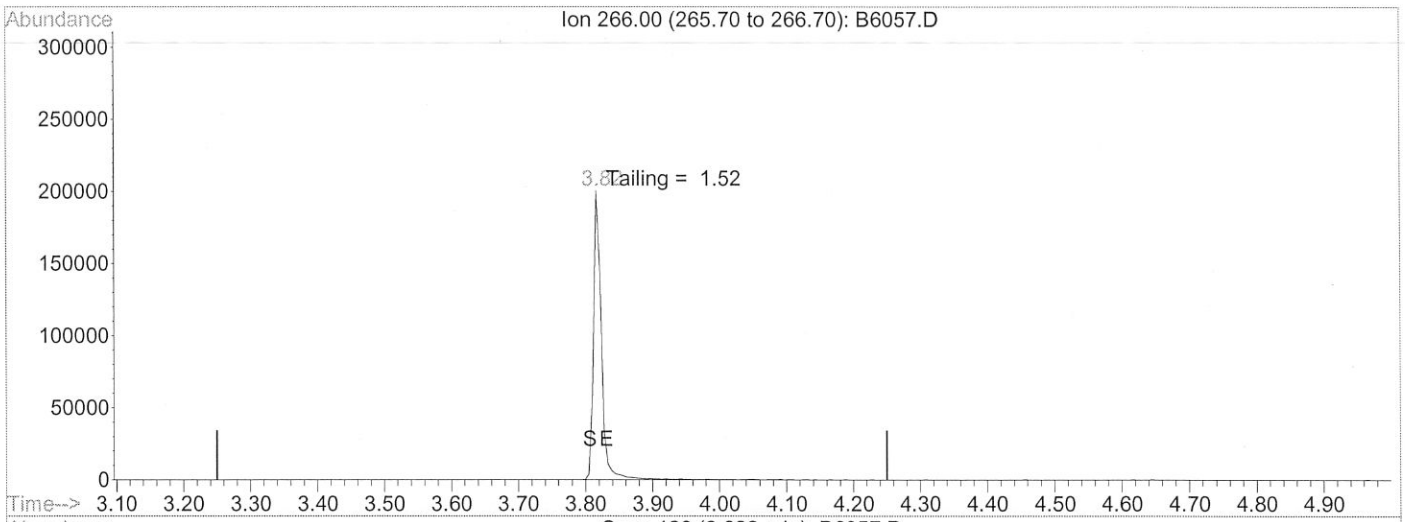
Directory: C:\HPCHEM\1\DATA\072811.B

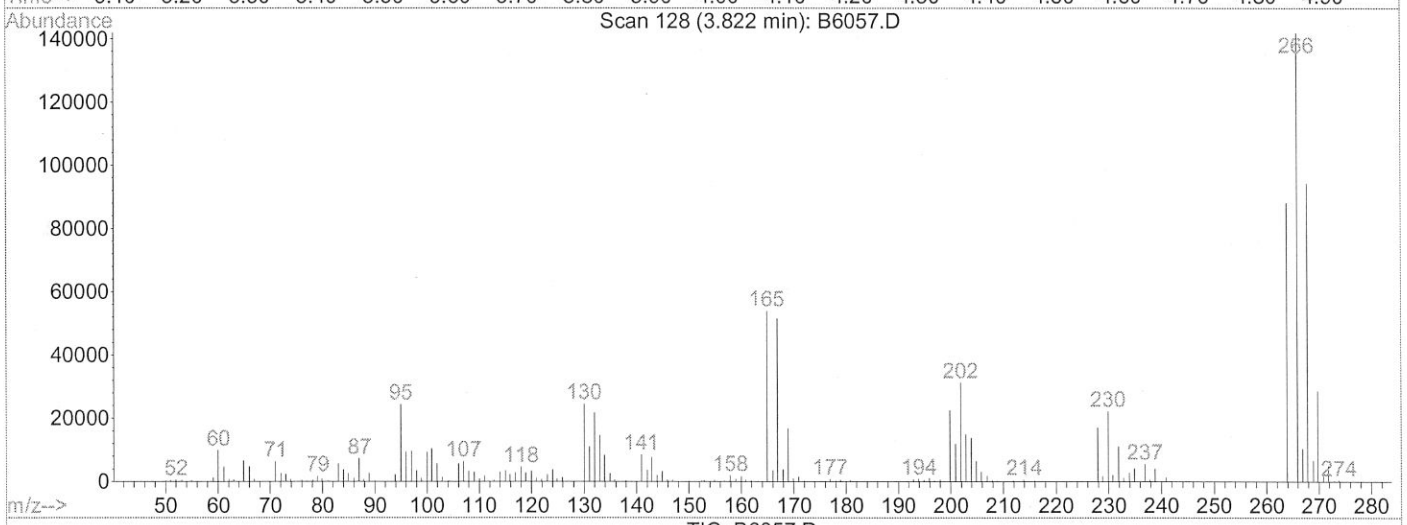
Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	100	B6056.d	1.	RINSE		28 Jul 2011 08:24
2	1	B6057.d	1.	DFTPP-376439,,MS-DFTPP		28 Jul 2011 08:41
3	2	B6058.d	1.	ICIS-751279,,MS-CUST-080_00011		28 Jul 2011 09:28
4	3	B6059.d	1.	STD010-751276,,MS-CUST-010_...		28 Jul 2011 09:47
5	4	B6060.d	1.	STD020-751277,,MS-CUST-020_...		28 Jul 2011 10:07
6	5	B6061.d	1.	STD050-751278,,MS-CUST-050_...		28 Jul 2011 10:26
7	6	B6062.d	1.	STD120-751280,,MS-CUST-120_...		28 Jul 2011 10:46
8	7	B6063.d	1.	STD160-751281,,MS-CUST160_0...		28 Jul 2011 11:05
9	8	B6064.d	1.	STD200-751282,,MS-CUST200_0...		28 Jul 2011 11:25
10	9	B6065.d	1.	ICV-751284,,MS-CUST-SSV_00010		28 Jul 2011 11:44
11	10	B6066.d	1.	STD010-895248,,MS-PHECAL010...		28 Jul 2011 12:08
12	11	B6067.d	1.	STD020-895251,,MS-PHECAL020...		28 Jul 2011 12:28
13	12	B6068.d	1.	STD050-895253,,MS-PHECAL050...		28 Jul 2011 12:47
14	13	B6069.d	1.	ICIS-895255,,MS-PHECAL080_0...		28 Jul 2011 13:07
15	14	B6070.d	1.	STD120-895256,,MS-PHECAL120...		28 Jul 2011 13:27
16	15	B6071.d	1.	STD160-895257,,MS-PHECAL160...		28 Jul 2011 13:46
17	16	B6072.d	1.	STD200-895259,,MS-PHECAL200...		28 Jul 2011 14:06
18	17	B6073.d	1.	ICV-895260,,MS-PHESSV100_00007		28 Jul 2011 14:25
19	100	B6074.d	1.	BLANK		28 Jul 2011 14:51
20	1	B6075.d	1.	ICIS-840620,,MS-HSL080_00011		28 Jul 2011 15:11
21	2	B6076.d	1.	STD004-840614,,MS-HSL004_00011		28 Jul 2011 15:30
22	1	B6077.d	1.	ICIS-840620,,MS-HSL080_00011		28 Jul 2011 15:50
23	2	B6078.d	1.	STD004-840614,,MS-HSL004_00011		28 Jul 2011 16:11
24	3	B6079.d	1.	STD010-840615,,MS-HSL010_00011		28 Jul 2011 16:31
25	4	B6080.d	1.	STD020-840616,,MS-HSL020_00011		28 Jul 2011 16:52
26	5	B6081.d	1.	STD050-840617,,MS-HSL050_00011		28 Jul 2011 17:13
27	6	B6082.d	1.	STD120-840621,,MS-HSL120_00011		28 Jul 2011 17:33
28	7	B6083.d	1.	STD160-840622,,MS-HSL160_00011		28 Jul 2011 17:54
29	8	B6084.d	1.	STD200-840623,,MS-HSL200_00011		28 Jul 2011 18:15
30	9	B6085.d	1.	ICV-885219,,MS-HSLSSV080_00019		28 Jul 2011 18:35
31	10	B6086.d	1.	ICV-840626,,MS-BENZSSV100_0...		28 Jul 2011 18:56
32	11	B6087.d	1.	ICV-840612,,MS-FAMSSV_100_0...		28 Jul 2011 19:16

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\072811.B\B6057.D Vial: 1
Acq On : 28 Jul 2011 8:41 am Operator: KIEKELD
Sample : DFTPP-376439,,MS-DFTPP Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jul 29 12:06 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Thu Jun 24 19:00:24 2010
Response via : Single Level Calibration





TIC: B6057.D

(1) Pentachlorophenol (Tailing<5)

3.82min 0.00

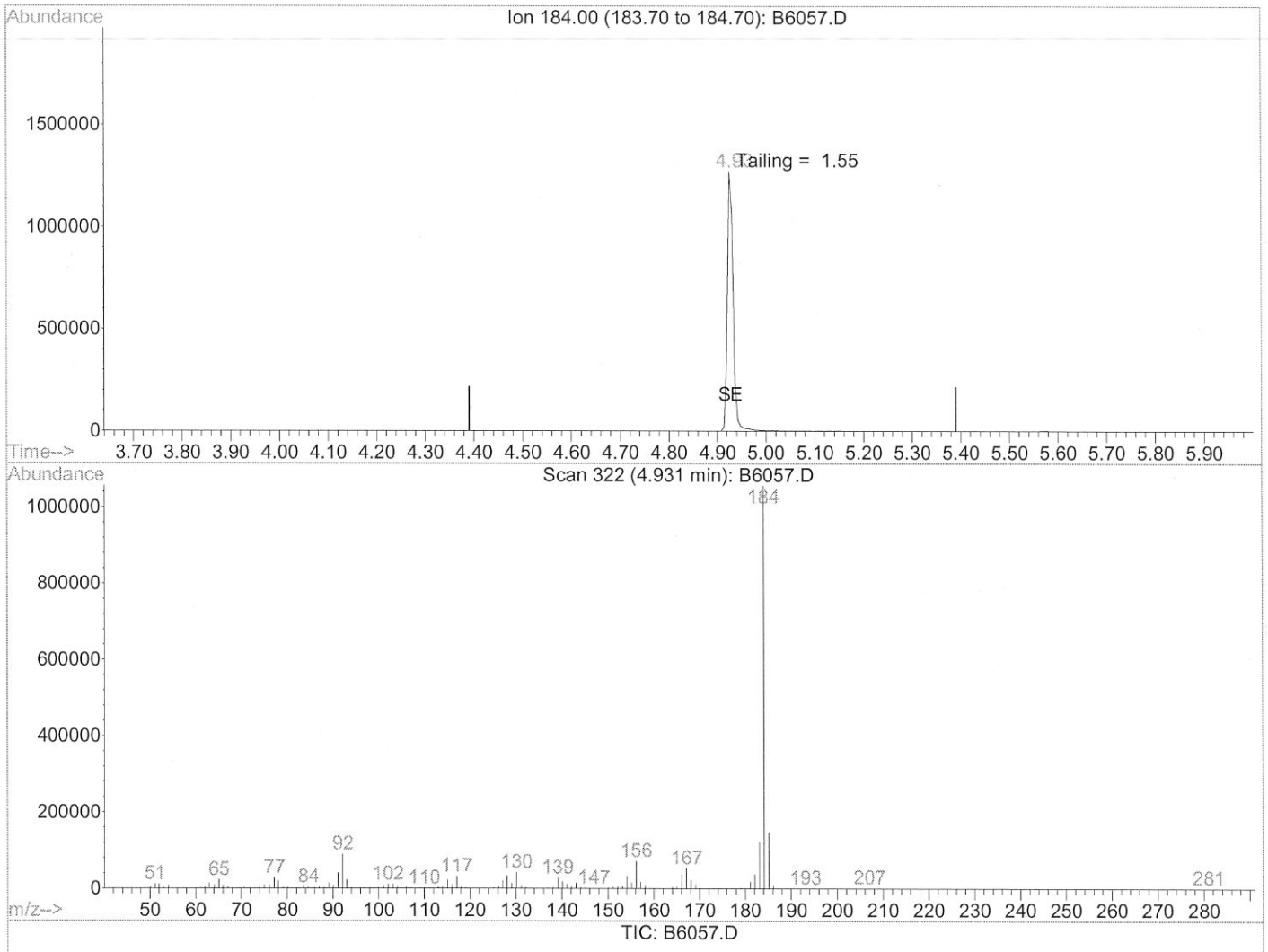
response 1611931

Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\072811.B\B6057.D Vial: 1
Acq On : 28 Jul 2011 8:41 am Operator: KIEKELD
Sample : DFTPP-376439,,MS-DFTPP Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jul 29 12:06 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Thu Jun 24 19:00:24 2010
Response via : Single Level Calibration



(2) Benzidine (Tailing<3)

4.93min 0.00

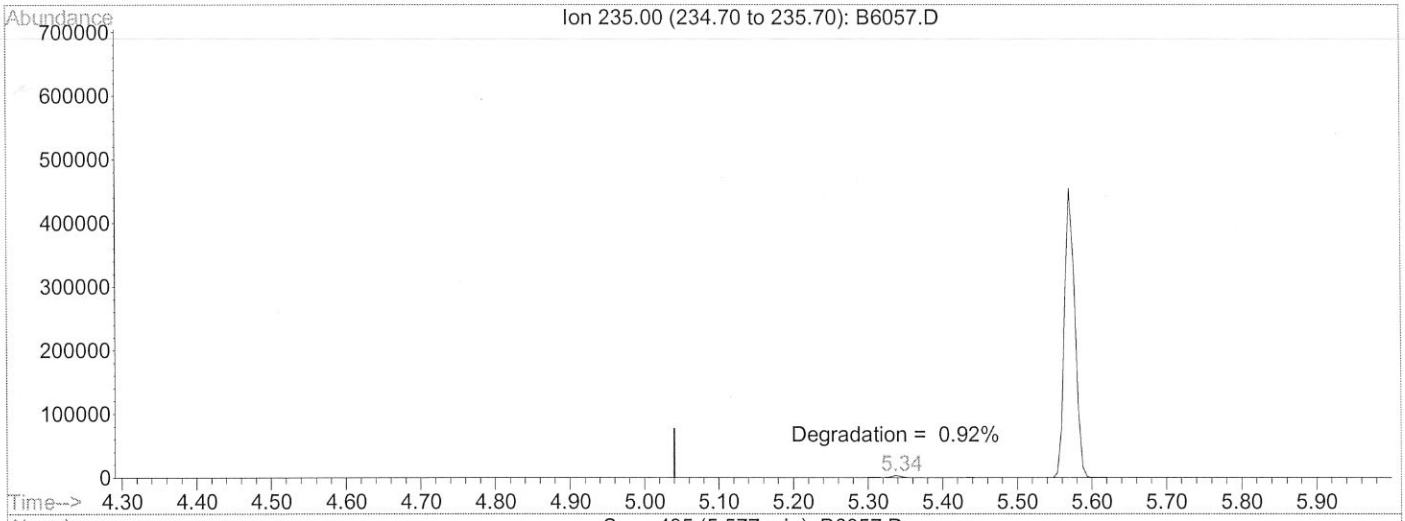
response 10490195

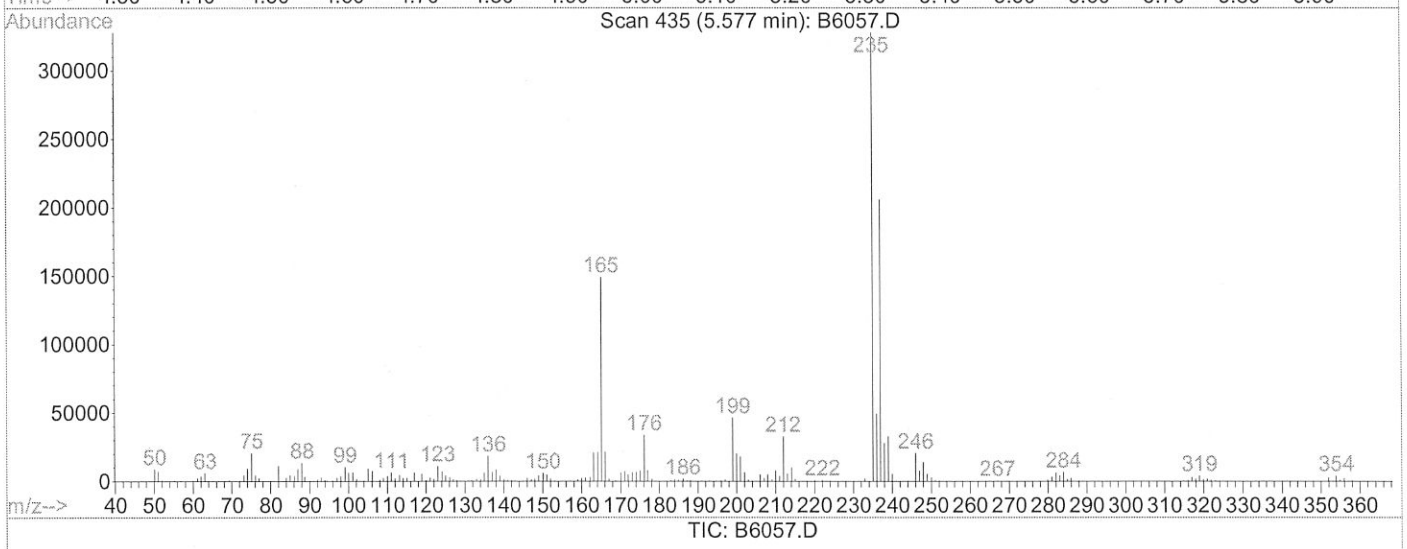
Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\072811.B\B6057.D Vial: 1
Acq On : 28 Jul 2011 8:41 am Operator: KIEKELD
Sample : DFTPP-376439,,MS-DFTPP Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: events.e
Quant Time: Jul 29 12:06 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPPC.M (Chemstation Integrator)
Title :
Last Update : Thu Jun 24 19:00:24 2010
Response via : Single Level Calibration





(3) 4,4'-DDT (Degradation<20%)

5.57min 0.00

response 4414238

Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Batch Number: 82752 Batch Start Date: 08/24/11 08:50 Batch Analyst: Vu, John Dat C

Batch Method: 3550C Batch End Date: 08/24/11 20:07

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8270LCS80ppm 00026	8270Surrogate 00031		
MB 280-82752/1		3550C, 8270C/DoD		30.9 g	1000 uL		1 mL		
LCS 280-82752/2		3550C, 8270C/DoD		30.0 g	1000 uL	1 mL	1 mL		
280-19387-B-1-C	NWO-178-1001	3550C, 8270C/DoD	T	31.1 g	1000 uL		1 mL		
280-19387-B-2-D	NWO-178-1002	3550C, 8270C/DoD	T	31.8 g	1000 uL		1 mL		
280-19387-E-3-C	NWO-178-5002	3550C, 8270C/DoD	T	30.3 g	1000 uL		1 mL		
280-19387-E-3-D MS	NWO-178-5002	3550C, 8270C/DoD	T	31.0 g	1000 uL	1 mL	1 mL		
280-19387-E-3-E MSD	NWO-178-5002	3550C, 8270C/DoD	T	30.4 g	1000 uL	1 mL	1 mL		

Batch Notes	
Balance ID	24750402
Batch Comment	DV-OP-0016/7
Blank Soil Lot Number	2AB0606
Person's name who did the concentration	BROHL.R / SMILEY.K / HUBBS.L
Na2SO4 Lot Number	K10624A_00001
Nominal Amount Used	30 g
Prep Solvent Lot #	K25E22
Prep Solvent Name	1:1 MeCl2/Acetone
Prep Solvent Volume Used	300 mL
Person's name who witnessed reagent drop	Reviewer: Clukey.L S/S: Vu.D pipette - E
Water Bath ID	A
Water Bath Temperature	88 C Degrees C

Basis	Basis Description
T	Total/NA

Method 8330B

Nitroaromatics and Nitramines (HPLC) by Method 8330B

FORM II
HPLC/IC SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): UltraCarb5u ID: 4.6 (mm)

Client Sample ID	Lab Sample ID	12DNB1 #
NWO-178-1001	280-19387-1	98
NWO-178-1002	280-19387-2	101
	MB 280-82724/1-A	100
	LCS 280-82724/2-A	105
	LCSD 280-82724/9-A	102

	QC LIMITS
12DNB = 1,2-Dinitrobenzene	83-122

Column to be used to flag recovery values

FORM II 8330 Modified

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X0825017.D

Lab ID: LCS 280-82724/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
2-Amino-4,6-dinitrotoluene	0.994	1.03	103	80-125	
4-Amino-2,6-dinitrotoluene	0.994	1.04	105	80-125	
2,4-Dinitrotoluene	0.994	1.05	105	80-125	
2,6-Dinitrotoluene	0.994	0.992	100	80-120	
Nitroglycerin	9.94	10.3	104	68-131	
2-Nitrotoluene	0.994	1.05	106	80-125	
3-Nitrotoluene	0.994	1.05	106	75-120	
Nitrobenzene	0.994	1.07	108	75-125	
4-Nitrotoluene	0.994	1.07	107	75-125	
1,3,5-Trinitrobenzene	0.994	1.05	105	75-125	
1,3-Dinitrobenzene	0.994	1.05	106	80-125	
HMX	0.994	0.945	95	75-125	
RDX	0.994	1.30	131	70-135	
Tetryl	0.994	1.11	111	10-150	
PETN	9.94	10.2	103	69-132	
2,4,6-Trinitrotoluene	0.994	1.06	107	55-140	

Column to be used to flag recovery and RPD values

FORM III 8330 Modified

FORM III
HPLC/IC LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X0825024.D

Lab ID: LCSD 280-82724/9-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCSD CONCENTRATION (mg/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2-Amino-4,6-dinitrotoluene	0.969	0.988	102	4	30	80-125	
4-Amino-2,6-dinitrotoluene	0.969	0.985	102	5	30	80-125	
2,4-Dinitrotoluene	0.969	1.01	104	4	30	80-125	
2,6-Dinitrotoluene	0.969	0.957	99	4	30	80-120	
Nitroglycerin	9.69	9.69	100	6	30	68-131	
2-Nitrotoluene	0.969	1.01	105	4	30	80-125	
3-Nitrotoluene	0.969	1.07	111	2	30	75-120	
Nitrobenzene	0.969	1.03	107	3	30	75-125	
4-Nitrotoluene	0.969	1.03	107	3	30	75-125	
1,3,5-Trinitrobenzene	0.969	0.986	102	6	30	75-125	
1,3-Dinitrobenzene	0.969	1.01	104	4	30	80-125	
HMX	0.969	0.893	92	6	30	75-125	
RDX	0.969	1.21	125	7	30	70-135	
Tetryl	0.969	1.04	107	7	30	10-150	
PETN	9.69	9.73	100	5	30	69-132	
2,4,6-Trinitrotoluene	0.969	1.02	105	4	30	55-140	

Column to be used to flag recovery and RPD values

FORM III 8330 Modified

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Lab Sample ID: MB 280-82724/1-A

Matrix: Solid Date Extracted: 08/23/2011 20:15

Lab File ID:(1) X0825016.D Lab File ID:(2)

Date Analyzed:(1) 08/25/2011 16:40 Date Analyzed:(2)

Instrument ID:(1) CHHPLCX4_C18 Instrument ID:(2)

GC Column:(1) UltraCarb5uO ID: 4.6(mm) GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 280-82724/2-A	08/25/2011 17:07	
NWO-178-1001	280-19387-1	08/25/2011 18:26	
NWO-178-1002	280-19387-2	08/25/2011 19:45	
	LCSD 280-82724/9-A	08/25/2011 20:11	

FORM IV 8330 Modified

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19387-1

SDG No.:

Client Sample ID: NWO-178-1001 | Lab Sample ID: 280-19387-1

Matrix: Solid | Lab File ID: X0825020.D

Analysis Method: 8330 Modified | Date Collected: 08/20/2011 09:57

Extraction Method: 8330B | Date Extracted: 08/23/2011 20:15

Sample wt/vol: 10.11(g) | Date Analyzed: 08/25/2011 18:26

Con. Extract Vol.: 40000(uL) | Dilution Factor: 1

Injection Volume: 100(uL) | GC Column: UltraCarb5uODS ID: 4.6(mm)

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

Analysis Batch No.: 82987 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.0325	U	0.0989	0.0325
19406-51-0	4-Amino-2,6-dinitrotoluene	0.0296	U	0.0989	0.0296
121-14-2	2,4-Dinitrotoluene	0.0145	U	0.0989	0.0145
606-20-2	2,6-Dinitrotoluene	0.0189	U	0.0989	0.0189
55-63-0	Nitroglycerin	0.213	U	1.98	0.213
88-72-2	2-Nitrotoluene	0.0467	U	0.198	0.0467
99-08-1	3-Nitrotoluene	0.0633	U	0.198	0.0633
98-95-3	Nitrobenzene	0.0841	U	0.297	0.0841
99-99-0	4-Nitrotoluene	0.0361	U	0.198	0.0361
99-35-4	1,3,5-Trinitrobenzene	0.0136	U	0.0989	0.0136
99-65-0	1,3-Dinitrobenzene	0.0164	U	0.0989	0.0164
2691-41-0	HMX	0.0225	U	0.0989	0.0225
121-82-4	RDX	0.0425	U	0.198	0.0425
479-45-8	Tetryl	0.0434	U	0.198	0.0434
78-11-5	PETN	0.488	U	1.98	0.488
118-96-7	2,4,6-Trinitrotoluene	0.0304	U	0.0989	0.0304

CAS NO.	SURROGATE	%REC	Q	LIMITS
528-29-0	1,2-Dinitrobenzene	98		83-122

TestAmerica Laboratories
Target Compound Quantitation Report

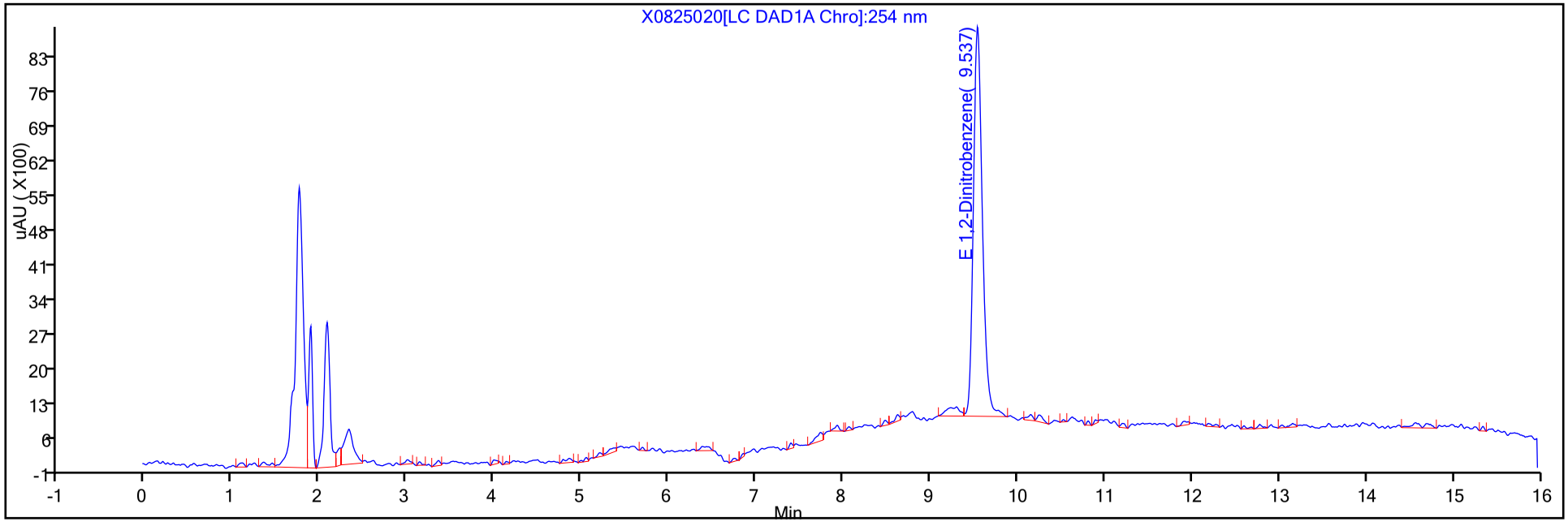
Data File:	\\Denchrom\chromdata\X4_C18\20110825-2397.b\X0825020.D		
Lims ID:	280-19387-A-1-B	Client ID:	NWO-178-1001
Inject. Date:	25-Aug-2011 18:26:07	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-19387-A-1-B		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	20
Lims Batch ID:	82987	Lims Sample ID:	20
Method:	\\Denchrom\chromdata\X4_C18\20110825-2397.b\8330_X4.m		
Last Update:	26-Aug-2011 07:41:16	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC379		

Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
E 8 1,2-Dinitrobenzene	1	9.537	9.544	-0.007	56440	0.2446	

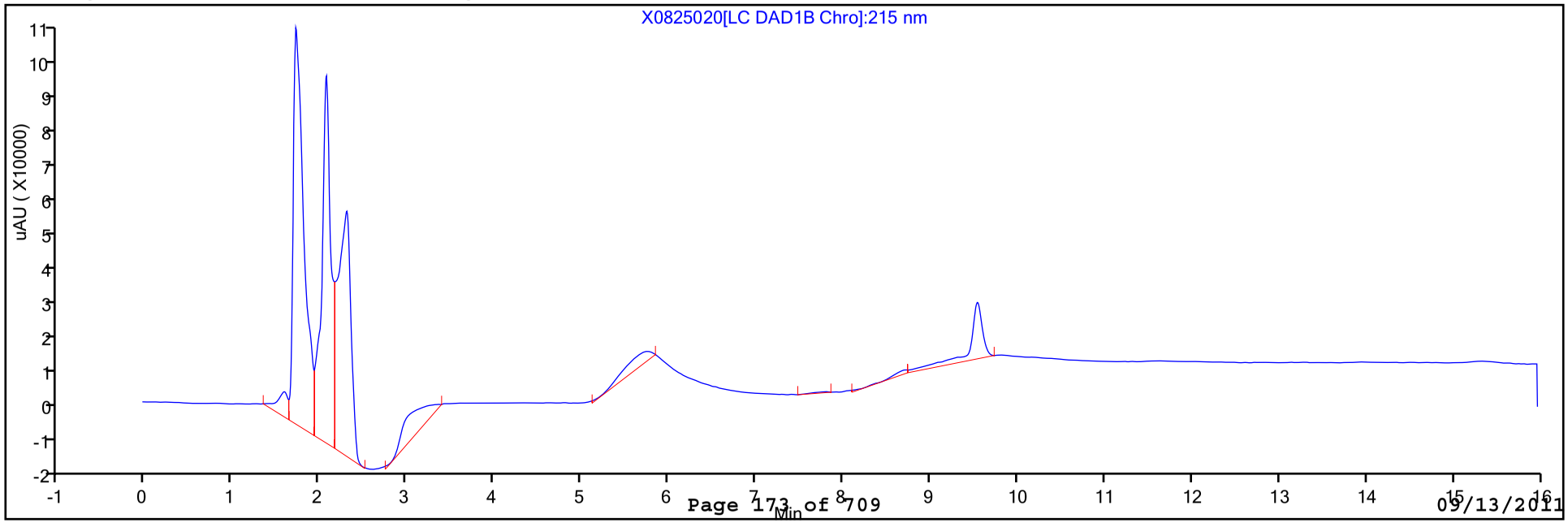
Report Date: 26-Aug-2011 07:41:21 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File:	\\Denchrom\chromdata\X4_C18\20110825-2397.b\X0825020.D		
Injection Date:	25-Aug-2011 18:26:07	Limit Group:	GCSV - 8330B
Client ID:	NWO-178-1001	Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	82987	Lims Sample ID:	20
Operator ID:	mpk	Injection Vol:	100.00 ul

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



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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19387-1

SDG No.:

Client Sample ID: NWO-178-1002 | Lab Sample ID: 280-19387-2

Matrix: Solid | Lab File ID: X0825023.D

Analysis Method: 8330 Modified | Date Collected: 08/20/2011 09:57

Extraction Method: 8330B | Date Extracted: 08/23/2011 20:15

Sample wt/vol: 10.21(g) | Date Analyzed: 08/25/2011 19:45

Con. Extract Vol.: 40000(uL) | Dilution Factor: 1

Injection Volume: 100(uL) | GC Column: UltraCarb5uODS ID: 4.6(mm)

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

Analysis Batch No.: 82987 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.0322	U	0.0979	0.0322
19406-51-0	4-Amino-2,6-dinitrotoluene	0.0293	U	0.0979	0.0293
121-14-2	2,4-Dinitrotoluene	0.0144	U	0.0979	0.0144
606-20-2	2,6-Dinitrotoluene	0.0187	U	0.0979	0.0187
55-63-0	Nitroglycerin	0.211	U	1.96	0.211
88-72-2	2-Nitrotoluene	0.0462	U	0.196	0.0462
99-08-1	3-Nitrotoluene	0.0627	U	0.196	0.0627
98-95-3	Nitrobenzene	0.0833	U	0.294	0.0833
99-99-0	4-Nitrotoluene	0.0357	U	0.196	0.0357
99-35-4	1,3,5-Trinitrobenzene	0.0135	U	0.0979	0.0135
99-65-0	1,3-Dinitrobenzene	0.0163	U	0.0979	0.0163
2691-41-0	HMX	0.0222	U	0.0979	0.0222
121-82-4	RDX	0.0421	U	0.196	0.0421
479-45-8	Tetryl	0.0430	U	0.196	0.0430
78-11-5	PETN	0.483	U	1.96	0.483
118-96-7	2,4,6-Trinitrotoluene	0.0301	U	0.0979	0.0301

CAS NO.	SURROGATE	%REC	Q	LIMITS
528-29-0	1,2-Dinitrobenzene	101		83-122

TestAmerica Laboratories
Target Compound Quantitation Report

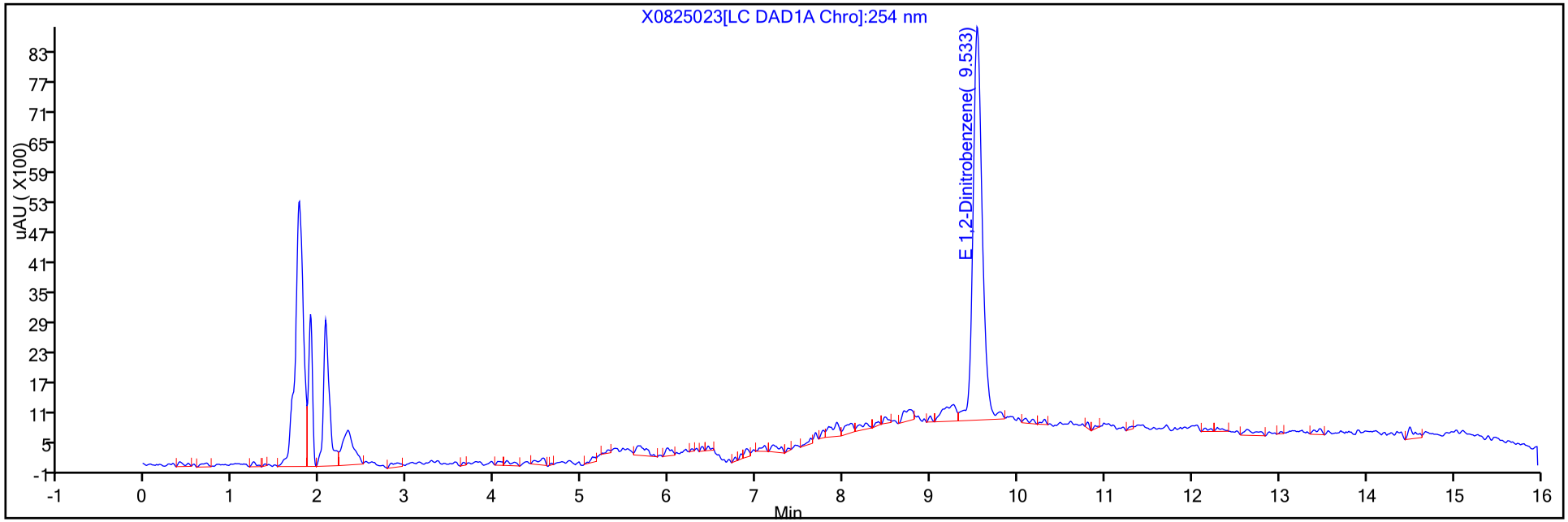
Data File:	\\Denchrom\chromdata\X4_C18\20110825-2397.b\X0825023.D		
Lims ID:	280-19387-B-2-E	Client ID:	NWO-178-1002
Inject. Date:	25-Aug-2011 19:45:04	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-19387-B-2-E		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	23
Lims Batch ID:	82987	Lims Sample ID:	23
Method:	\\Denchrom\chromdata\X4_C18\20110825-2397.b\8330_X4.m		
Last Update:	26-Aug-2011 07:41:16	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC379		

Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
E 8 1,2-Dinitrobenzene	1	9.533	9.544	-0.011	58179	0.2522	

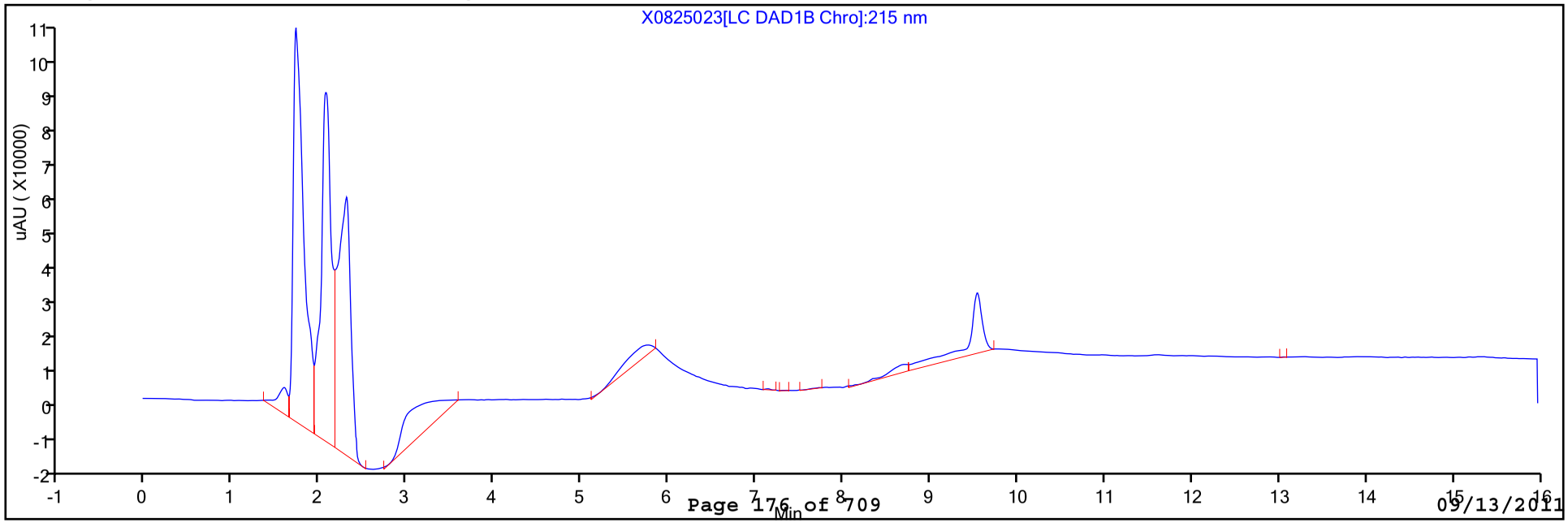
Report Date: 26-Aug-2011 07:41:24 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File:	\\Denchrom\chromdata\X4_C18\20110825-2397.b\X0825023.D		
Injection Date:	25-Aug-2011 19:45:04	Limit Group:	GCSV - 8330B
Client ID:	NWO-178-1002	Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	82987	Lims Sample ID:	23
Operator ID:	mpk	Injection Vol:	100.00 ul

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



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



FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-19387-1 Analy Batch No.: 78309

SDG No.:

Instrument ID: CHHPLCX4_C18 GC Column: UltraCarb5u ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/26/2011 19:29 Calibration End Date: 07/26/2011 22:33 Calibration ID: 6557

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-78309/14	07260014.D
Level 2	IC 280-78309/13	07260013.D
Level 3	IC 280-78309/12	07260012.D
Level 4	IC 280-78309/11	07260011.D
Level 5	IC 280-78309/10	07260010.D
Level 6	IC 280-78309/9	07260009.D
Level 7	IC 280-78309/8	07260008.D
Level 8	IC 280-78309/7	07260007.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8			RT WINDOW	AVG RT
2,6-diamino-4-nitrotoluene	7.112	7.108	7.107	7.108	7.105	7.105	7.101	7.100			7.008 - 7.208	7.106
HMX	7.312	7.315	7.307	7.308	7.312	7.312	7.308	7.313			7.208 - 7.408	7.311
2,4-diamino-6-nitrotoluene	7.432	7.428	7.427	7.421	7.425	7.419	7.421	7.420			7.321 - 7.521	7.424
MNX	8.132	8.128	8.127	8.128	8.132	8.125	8.128	8.127			8.028 - 8.228	8.128
RDX	8.512	8.515	8.514	8.514	8.512	8.512	8.515	8.513			8.414 - 8.614	8.513
Picric acid	8.766	8.755	8.747	8.741	8.732	8.712	8.708	8.667			8.641 - 8.841	8.729
1,3,5-Trinitrobenzene	9.466	9.461	9.454	9.454	9.452	9.452	9.448	9.453			9.354 - 9.554	9.455
1,3-Dinitrobenzene	10.246	10.248	10.241	10.241	10.239	10.239	10.241	10.233			10.141 - 10.341	10.241
Tetryl	10.526	10.541	10.534	10.534	10.532	10.539	10.534	10.533			10.434 - 10.634	10.534
Nitrobenzene	10.732	10.741	10.741	10.741	10.739	10.739	10.734	10.740			10.641 - 10.841	10.738
Nitroglycerin	10.919	10.921	10.921	10.921	10.919	10.919	10.914	10.913			10.821 - 11.021	10.918
2,4,6-Trinitrotoluene	11.412	11.428	11.421	11.421	11.419	11.419	11.421	11.420			11.321 - 11.521	11.420
4-Amino-2,6-dinitrotoluene	11.592	11.608	11.607	11.607	11.605	11.605	11.608	11.606			11.507 - 11.707	11.605
2-Amino-4,6-dinitrotoluene	11.946	11.961	11.954	11.954	11.952	11.952	11.954	11.953			11.854 - 12.054	11.953
2,6-Dinitrotoluene	12.186	12.208	12.194	12.201	12.199	12.205	12.208	12.206			12.101 - 12.301	12.201
2,4-Dinitrotoluene	12.459	12.461	12.454	12.454	12.452	12.459	12.454	12.453			12.354 - 12.554	12.456
2-Nitrotoluene	13.319	13.348	13.354	13.354	13.352	13.359	13.354	13.353			13.254 - 13.454	13.349
4-Nitrotoluene	13.772	13.828	13.814	13.827	13.819	13.825	13.828	13.826			13.727 - 13.927	13.817
PETN	14.172	14.188	14.181	14.187	14.185	14.192	14.194	14.193			14.087 - 14.287	14.187
3-Nitrotoluene	14.326	14.381	14.367	14.374	14.372	14.379	14.381	14.380			14.274 - 14.474	14.370
1,2-Dinitrobenzene	9.572	9.581	9.581	9.581	9.579	9.579	9.574	9.573			9.481 - 9.681	9.578

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Denver Job No.: 280-19387-1 Analy Batch No.: 78309

SDG No.:

Instrument ID: CHHPLCX4_C18 GC Column: UltraCarb5u ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/26/2011 19:29 Calibration End Date: 07/26/2011 22:33 Calibration ID: 6557

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-78309/14	07260014.D
Level 2	IC 280-78309/13	07260013.D
Level 3	IC 280-78309/12	07260012.D
Level 4	IC 280-78309/11	07260011.D
Level 5	IC 280-78309/10	07260010.D
Level 6	IC 280-78309/9	07260009.D
Level 7	IC 280-78309/8	07260008.D
Level 8	IC 280-78309/7	07260007.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
2,6-diamino-4-nitrotoluene	343900 303713	315320 305714	309440 305088	308936 306413	Ave		312315.498				4.2		20.0			
HMX	166100 131868	143560 129213	136630 133340	130248 177855	Ave		143601.645				13.0		20.0			
2,4-diamino-6-nitrotoluene	226400 203140	224220 205321	208800 202554	199956 160234	Ave		203828.179				9.9		20.0			
MNX	305500 200570	228340 203000	209340 200961	206336 200374	Lin2	1056.06574	200910.059							1.0000		0.9900
RDX	187400 159390	170460 160580	161200 158519	160584 155684	Ave		164227.175				6.3		20.0			
Picric acid	138500 130685	137860 133729	130420 131597	129868 132808	Ave		133183.321				2.5		20.0			
1,3,5-Trinitrobenzene	361300 330868	362920 339644	338150 343608	337940 344247	Ave		344834.573				3.3		20.0			
1,3-Dinitrobenzene	474600 467273	481160 476879	472810 474056	476488 474421	Ave		474710.784				0.8		20.0			
Tetryl	245800 236560	246720 244823	236010 243346	242212 240692	Ave		242020.307				1.7		20.0			
Nitrobenzene	307700 350620	365400 356439	336360 356435	356508 354288	Ave		347968.646				5.2		20.0			
Nitroglycerin	105480 109038	106298 112979	103038 112953	111206 114014	Ave		109375.907				3.7		20.0			
2,4,6-Trinitrotoluene	309300 309585	330820 315164	316010 323157	317900 314373	Ave		317038.636				2.2		20.0			
4-Amino-2,6-dinitrotoluene	242200 235220	241100 241966	233530 239399	238220 235598	Ave		238404.089				1.4		20.0			
2-Amino-4,6-dinitrotoluene	339700 306193	318180 312591	307380 315127	312644 305628	Ave		314680.316				3.5		20.0			

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

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Denver Job No.: 280-19387-1 Analy Batch No.: 78309

SDG No.:

Instrument ID: CHHPLCX4_C18 GC Column: UltraCarb5u ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/26/2011 19:29 Calibration End Date: 07/26/2011 22:33 Calibration ID: 6557

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
2,6-Dinitrotoluene	278900 216613	222560 221190	223560 223322	219900 223215	Lin2	588.724088	218404.152							1.0000		0.9900
2,4-Dinitrotoluene	515400 444963	464480 457997	457100 465323	454616 450280	Ave		463769.830				4.7		20.0			
2-Nitrotoluene	265400 195760	215100 200947	200200 209287	199408 198873	Lin2	661.978191	199092.808							0.9990		0.9900
4-Nitrotoluene	254400 171728	202500 179846	177890 172130	178132 177271	Lin2	808.083922	175163.354							0.9990		0.9900
PETN	176900 151911	153242 156149	154448 153835	154540 155375	Ave		157050.063				5.2		20.0			
3-Nitrotoluene	303900 231310	256700 239414	227810 231216	235784 236494	Lin2	717.391420	232834.345							0.9990		0.9900
1,2-Dinitrobenzene	246200 224773	238880 230391	231280 221635	228528 223983	Ave		230708.716				3.6		20.0			

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

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-19387-1 Analy Batch No.: 78309

SDG No.:

Instrument ID: CHHPLCX4_C18 GC Column: UltraCarb5u ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/26/2011 19:29 Calibration End Date: 07/26/2011 22:33 Calibration ID: 6557

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-78309/14	07260014.D
Level 2	IC 280-78309/13	07260013.D
Level 3	IC 280-78309/12	07260012.D
Level 4	IC 280-78309/11	07260011.D
Level 5	IC 280-78309/10	07260010.D
Level 6	IC 280-78309/9	07260009.D
Level 7	IC 280-78309/8	07260008.D
Level 8	IC 280-78309/7	07260007.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,6-diamino-4-nitrotoluene	Ave	3439 214000	15766 305088	30944 766033	77234	121485	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
HMX	Ave	1661 90449	7178 133340	13663 444637	32562	52747	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
2,4-diamino-6-nitrotoluene	Ave	2264 143725	11211 202554	20880 400585	49989	81256	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
MNX	Lin2	3055 142100	11417 200961	20934 500934	51584	80228	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
RDX	Ave	1874 112406	8523 158519	16120 389211	40146	63756	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
Picric acid	Ave	1385 93610	6893 131597	13042 332020	32467	52274	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
1,3,5-Trinitrobenzene	Ave	3613 237751	18146 343608	33815 860617	84485	132347	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
1,3-Dinitrobenzene	Ave	4746 333815	24058 474056	47281 1186053	119122	186909	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
Tetryl	Ave	2458 171376	12336 243346	23601 601729	60553	94624	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
Nitrobenzene	Ave	3077 249507	18270 356435	33636 885719	89127	140248	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
Nitroglycerin	Ave	10548 790855	53149 1129530	103038 2850358	278016	436153	0.100 7.00	0.500 10.0	1.00 25.0	2.50	4.00
2,4,6-Trinitrotoluene	Ave	3093 220615	16541 323157	31601 785932	79475	123834	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
4-Amino-2,6-dinitrotoluene	Ave	2422 169376	12055 239399	23353 588995	59555	94088	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
2-Amino-4,6-dinitrotoluene	Ave	3397 218814	15909 315127	30738 764069	78161	122477	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
2,6-Dinitrotoluene	Lin2	2789 154833	11128 223322	22356 558037	54975	86645	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-19387-1 Analy Batch No.: 78309

SDG No.:

Instrument ID: CHHPLCX4_C18 GC Column: UltraCarb5u ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/26/2011 19:29 Calibration End Date: 07/26/2011 22:33 Calibration ID: 6557

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,4-Dinitrotoluene	Ave	5154 320598	23224 465323	45710 1125700	113654	177985	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
2-Nitrotoluene	Lin2	2654 140663	10755 209287	20020 497182	49852	78304	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
4-Nitrotoluene	Lin2	2544 125892	10125 172130	17789 443177	44533	68691	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
PETN	Ave	17690 1093044	76621 1538350	154448 3884384	386350	607644	0.100 7.00	0.500 10.0	1.00 25.0	2.50	4.00
3-Nitrotoluene	Lin2	3039 167590	12835 231216	22781 591234	58946	92524	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400
1,2-Dinitrobenzene	Ave	2462 161274	11944 221635	23128 559957	57132	89909	0.0100 0.700	0.0500 1.00	0.100 2.50	0.250	0.400

Curve Type Legend:
Ave = Average
Lin2 = Linear 1/conc^2

Report Date: 27-Jul-2011 10:51:42 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260007.D		
Lims ID:	IC 8330 L8	Client ID:	
Inject. Date:	26-Jul-2011 19:29:20	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	IC 8330 L8		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	7
Lims Batch ID:	78309	Lims Sample ID:	7
Sublist:	chrom-8330_X4*sub1		

Method:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\8330_X4.m		
Last Update:	27-Jul-2011 10:51:41	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

First Level Reviewer: kellisonm Date: 27-Jul-2011 10:51:41

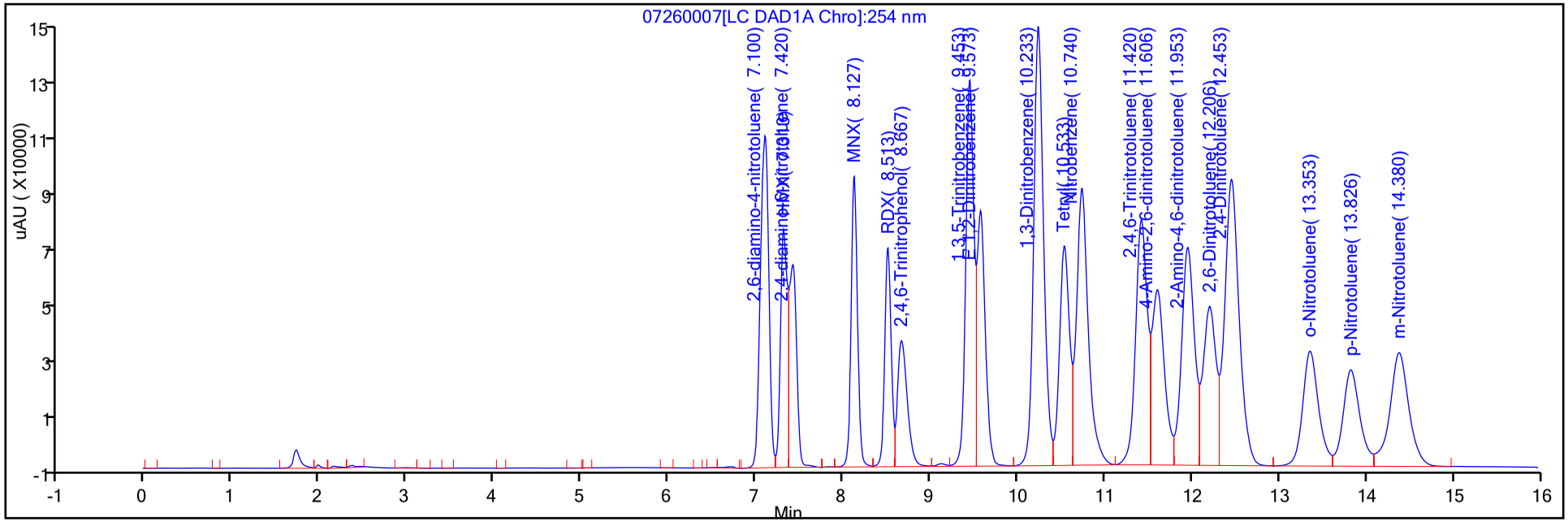
	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	1 2,6-diamino-4-nitrotoluene	1	7.100	7.108	-0.008	766033	2.45	
	2 HMX	1	7.313	7.308	0.005	444637	3.10	
	3 2,4-diamino-6-nitrotoluene	1	7.420	7.421	-0.001	400585	1.97	
	4 MNX	1	8.127	8.128	-0.001	500934	2.49	
	5 RDX	1	8.513	8.514	-0.001	389211	2.37	
	6 2,4,6-Trinitrophenol	1	8.667	8.741	-0.074	332020	2.49	
	7 1,3,5-Trinitrobenzene	1	9.453	9.454	-0.001	860617	2.50	
E	8 1,2-Dinitrobenzene	1	9.573	9.581	-0.008	559957	2.43	
	9 1,3-Dinitrobenzene	1	10.233	10.241	-0.008	1186053	2.50	
	10 Tetryl	1	10.533	10.534	-0.001	601729	2.49	
	12 Nitrobenzene	1	10.740	10.741	-0.001	885719	2.55	
	13 Nitroglycerin	2	10.913	10.921	-0.008	2850358	26.1	
	14 2,4,6-Trinitrotoluene	1	11.420	11.421	-0.001	785932	2.48	
	15 4-Amino-2,6-dinitrotoluene	1	11.606	11.607	-0.001	588995	2.47	
	16 2-Amino-4,6-dinitrotoluene	1	11.953	11.954	-0.001	764069	2.43	
	17 2,6-Dinitrotoluene	1	12.206	12.201	0.005	558037	2.55	
	18 2,4-Dinitrotoluene	1	12.453	12.454	-0.001	1125700	2.43	
	19 o-Nitrotoluene	1	13.353	13.354	-0.001	497182	2.49	
	20 p-Nitrotoluene	1	13.826	13.827	-0.001	443177	2.53	
	21 PETN	2	14.193	14.187	0.006	3884384	24.7	
	22 m-Nitrotoluene	1	14.380	14.374	0.006	591234	2.54	

Report Date: 27-Jul-2011 10:51:42 Chrom Revision: 1.2 13-Jul-2011 10:43:06

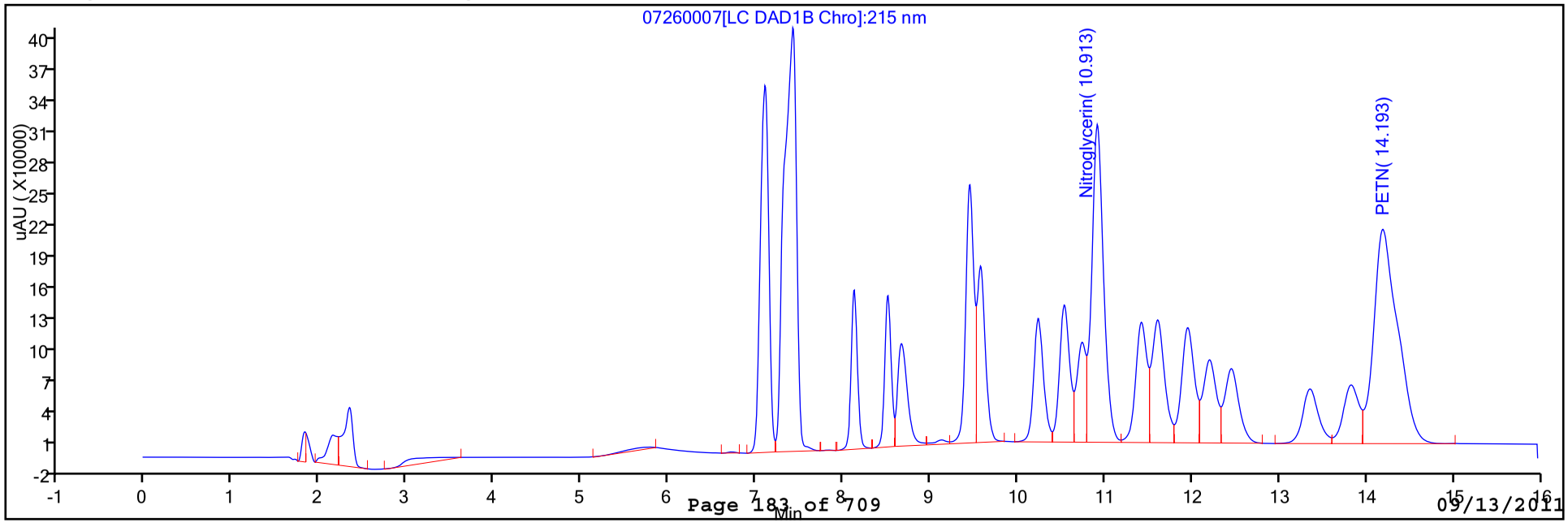
Data File: \\Denchrom\chromdata\X4_C18\20110726-2256.b\07260007.D

Injection Date:	26-Jul-2011 19:29:20	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	78309	Lims Sample ID:	7
Operator ID:	mpk	Injection Vol:	100.00 ul

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



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



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260008.D		
Lims ID:	IC 8330 L7	Client ID:	
Inject. Date:	26-Jul-2011 19:55:39	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	IC 8330 L7		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	8
Lims Batch ID:	78309	Lims Sample ID:	8
Sublist:	chrom-8330_X4*sub1		
Method:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\8330_X4.m		
Last Update:	27-Jul-2011 10:50:48	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

First Level Reviewer: kellisonm Date: 27-Jul-2011 10:50:48

	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	1 2,6-diamino-4-nitrotoluene	1	7.101	7.108	-0.007	305088	0.9769	
	2 HMX	1	7.308	7.308	0.0	133340	0.9285	
	3 2,4-diamino-6-nitrotoluene	1	7.421	7.421	0.0	202554	0.99	
	4 MNX	1	8.128	8.132	-0.004	200961	0.99	
	5 RDX	1	8.515	8.514	0.001	158519	0.9652	
	6 2,4,6-Trinitrophenol	1	8.708	8.741	-0.033	131597	0.9881	
	7 1,3,5-Trinitrobenzene	1	9.448	9.454	-0.006	343608	1.00	
E	8 1,2-Dinitrobenzene	1	9.574	9.581	-0.007	221635	0.9607	
	9 1,3-Dinitrobenzene	1	10.241	10.241	0.0	474056	1.00	
	10 Tetryl	1	10.534	10.534	0.0	243346	1.01	
	12 Nitrobenzene	1	10.734	10.741	-0.007	356435	1.02	
	13 Nitroglycerin	2	10.914	10.921	-0.007	1129530	10.3	
	14 2,4,6-Trinitrotoluene	1	11.421	11.421	0.0	323157	1.02	
	15 4-Amino-2,6-dinitrotoluene	1	11.608	11.607	0.001	239399	1.00	
	16 2-Amino-4,6-dinitrotoluene	1	11.954	11.954	0.0	315127	1.00	
	17 2,6-Dinitrotoluene	1	12.208	12.201	0.007	223322	1.02	
	18 2,4-Dinitrotoluene	1	12.454	12.454	0.0	465323	1.00	
	19 o-Nitrotoluene	1	13.354	13.354	0.0	209287	1.05	
	20 p-Nitrotoluene	1	13.828	13.827	0.001	172130	0.9781	
	21 PETN	2	14.194	14.172	0.022	1538350	9.80	
	22 m-Nitrotoluene	1	14.381	14.374	0.007	231216	0.9900	

Report Date: 27-Jul-2011 10:50:48 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Denchrom\chromdata\X4_C18\20110726-2256.b\07260008.D

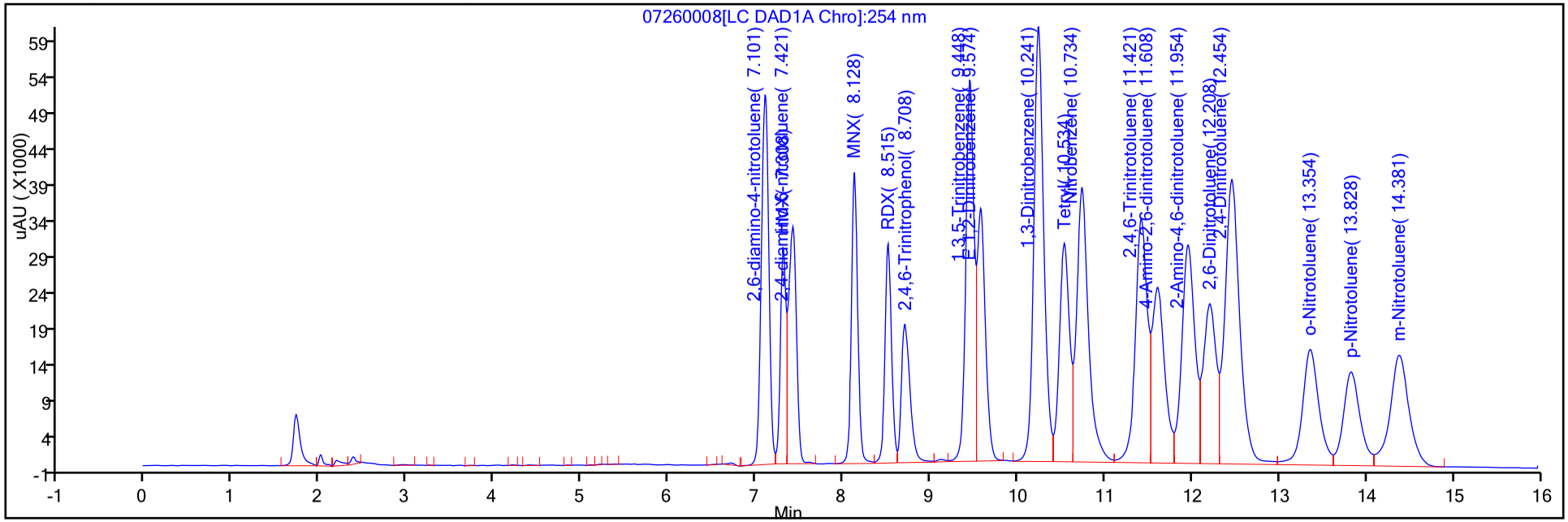
Injection Date: 26-Jul-2011 19:55:39 Limit Group: GCSV - 8330B

Client ID: Instrument ID: CHHPLCX4_C18

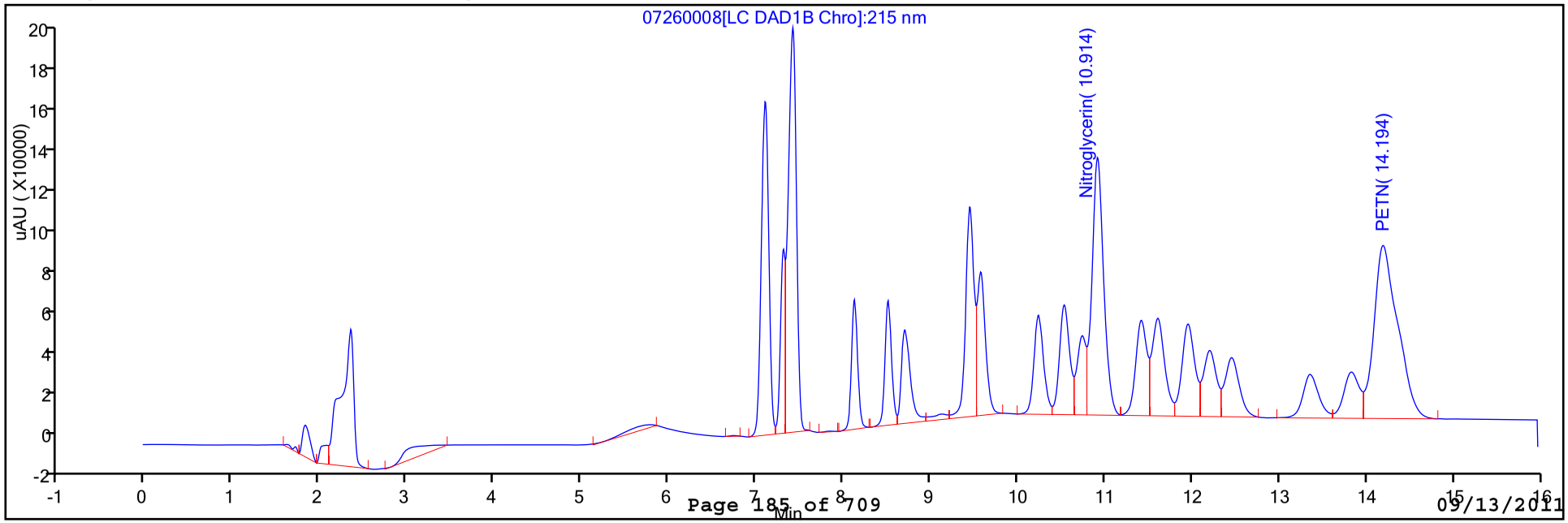
Lims Batch ID: 78309 Lims Sample ID: 8

Operator ID: mpk Injection Vol: 100.00 ul

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



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



Report Date: 27-Jul-2011 10:50:50 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260009.D		
Lims ID:	IC 8330 L6	Client ID:	
Inject. Date:	26-Jul-2011 20:22:00	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	IC 8330 L6		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	9
Lims Batch ID:	78309	Lims Sample ID:	9
Sublist:	chrom-8330_X4*sub1		

Method:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\8330_X4.m		
Last Update:	27-Jul-2011 10:50:50	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

First Level Reviewer: kellisonm Date: 27-Jul-2011 10:50:50

	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	1 2,6-diamino-4-nitrotoluene	1	7.105	7.108	-0.003	214000	0.6852	
	2 HMX	1	7.312	7.308	0.004	90449	0.6299	
	3 2,4-diamino-6-nitrotoluene	1	7.419	7.421	-0.002	143725	0.7051	
	4 MNX	1	8.125	8.132	-0.007	142100	0.7020	
	5 RDX	1	8.512	8.514	-0.002	112406	0.6845	
	6 2,4,6-Trinitrophenol	1	8.712	8.741	-0.029	93610	0.7029	
	7 1,3,5-Trinitrobenzene	1	9.452	9.454	-0.002	237751	0.6895	
E	8 1,2-Dinitrobenzene	1	9.579	9.581	-0.002	161274	0.6990	
	9 1,3-Dinitrobenzene	1	10.239	10.241	-0.002	333815	0.7032	
	10 Tetryl	1	10.539	10.534	0.005	171376	0.7081	
	12 Nitrobenzene	1	10.739	10.741	-0.002	249507	0.7170	
	13 Nitroglycerin	2	10.919	10.921	-0.002	790855	7.23	
	14 2,4,6-Trinitrotoluene	1	11.419	11.421	-0.002	220615	0.6959	
	15 4-Amino-2,6-dinitrotoluene	1	11.605	11.607	-0.002	169376	0.7105	
	16 2-Amino-4,6-dinitrotoluene	1	11.952	11.954	-0.002	218814	0.6954	
	17 2,6-Dinitrotoluene	1	12.205	12.201	0.004	154833	0.7062	
	18 2,4-Dinitrotoluene	1	12.459	12.454	0.005	320598	0.6913	
	19 o-Nitrotoluene	1	13.359	13.354	0.005	140663	0.7032	
	20 p-Nitrotoluene	1	13.825	13.827	-0.002	125892	0.7141	
	21 PETN	2	14.192	14.172	0.020	1093044	6.96	
	22 m-Nitrotoluene	1	14.379	14.374	0.005	167590	0.7167	

Report Date: 27-Jul-2011 10:50:50 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Denchrom\chromdata\X4_C18\20110726-2256.b\07260009.D

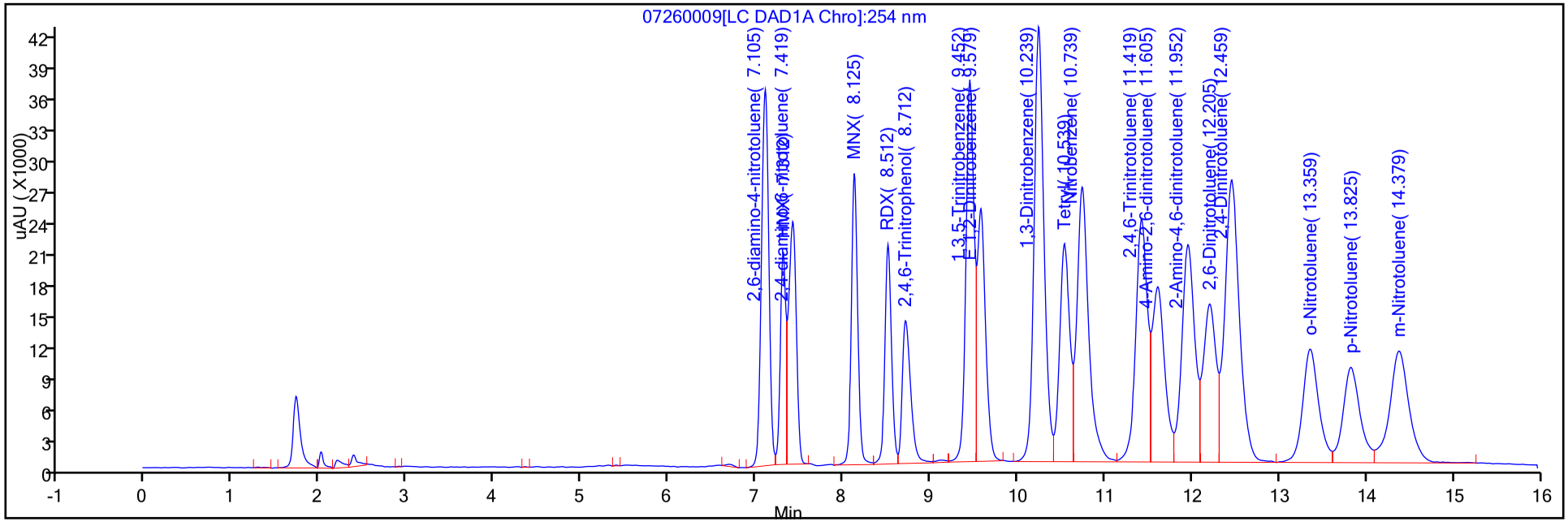
Injection Date: 26-Jul-2011 20:22:00 Limit Group: GCSV - 8330B

Client ID: Instrument ID: CHHPLCX4_C18

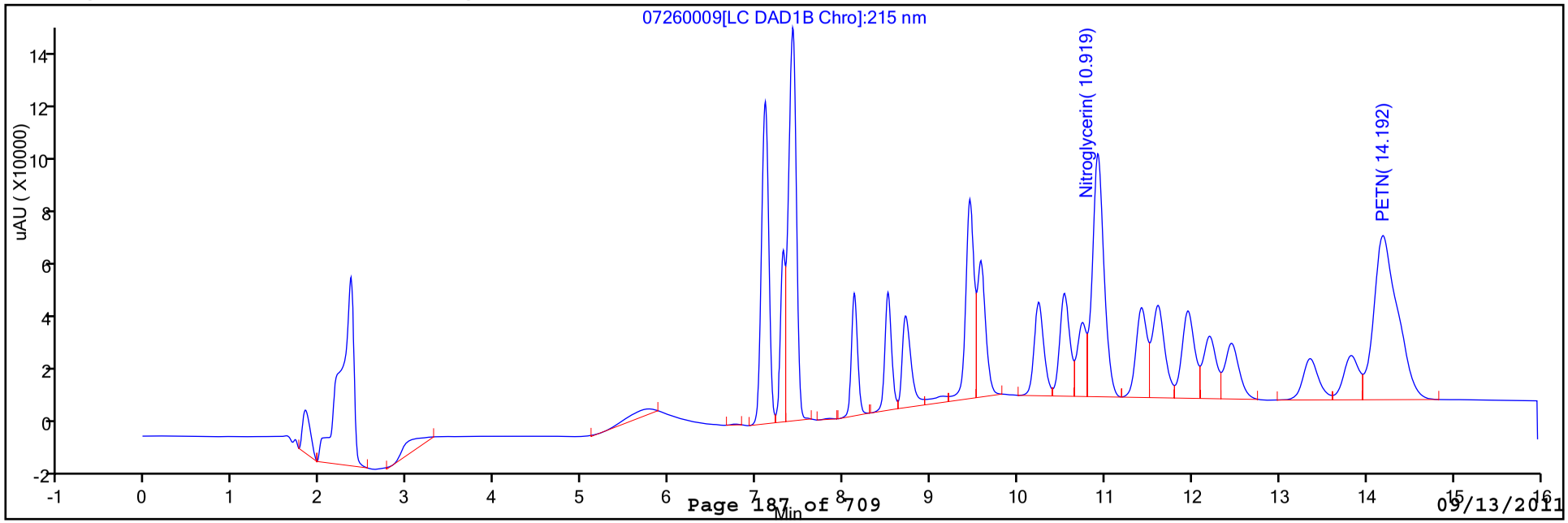
Lims Batch ID: 78309 Lims Sample ID: 9

Operator ID: mpk Injection Vol: 100.00 ul

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



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



TestAmerica Laboratories
Target Compound Quantitation Report

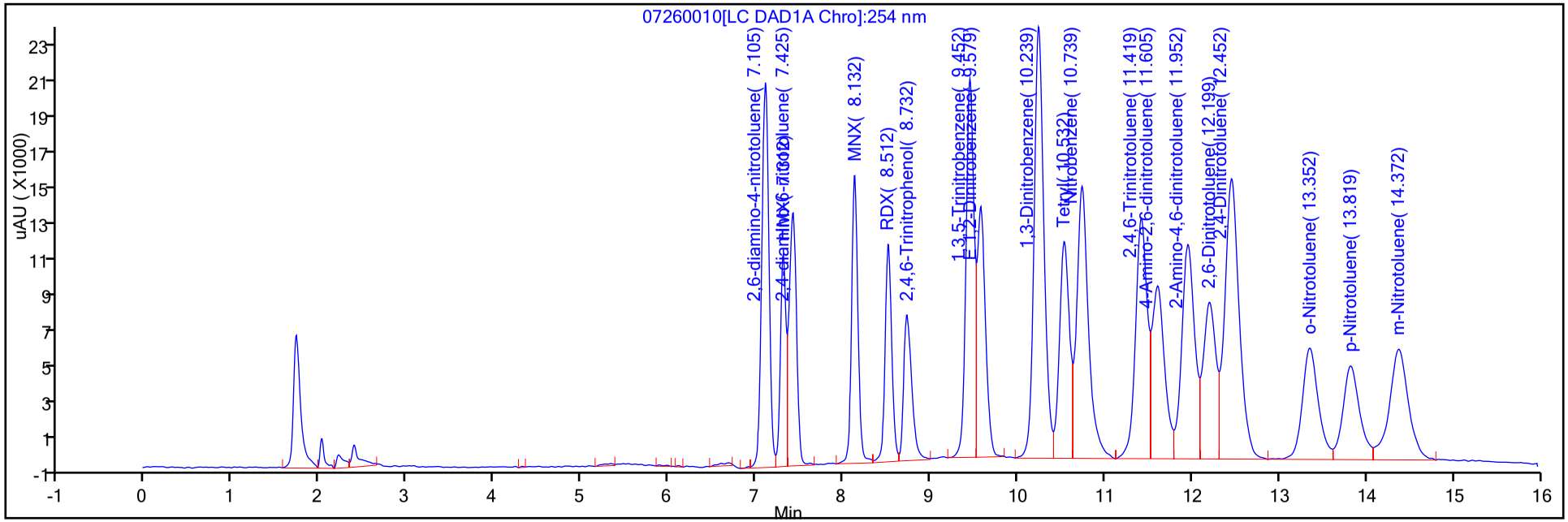
Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260010.D		
Lims ID:	IC 8330 L5	Client ID:	
Inject. Date:	26-Jul-2011 20:48:20	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	IC 8330 L5		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	10
Lims Batch ID:	78309	Lims Sample ID:	10
Sublist:	chrom-8330_X4*sub1		

Method:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\8330_X4.m		
Last Update:	27-Jul-2011 10:50:51	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

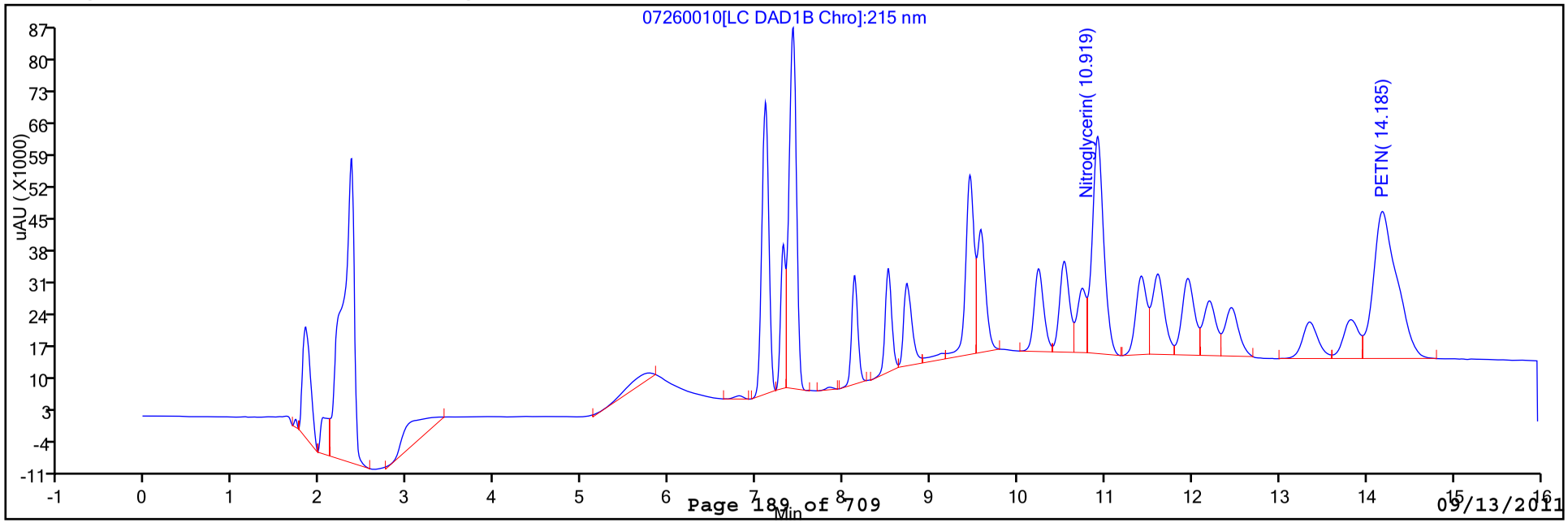
First Level Reviewer: kellisonm Date: 27-Jul-2011 10:50:51

	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	1 2,6-diamino-4-nitrotoluene	1	7.105	7.108	-0.003	121485	0.3890	
	2 HMX	1	7.312	7.308	0.004	52747	0.3673	
	3 2,4-diamino-6-nitrotoluene	1	7.425	7.421	0.004	81256	0.3986	
	4 MNX	1	8.132	8.132	0.0	80228	0.3941	
	5 RDX	1	8.512	8.514	-0.002	63756	0.3882	
	6 2,4,6-Trinitrophenol	1	8.732	8.741	-0.009	52274	0.3925	
	7 1,3,5-Trinitrobenzene	1	9.452	9.454	-0.002	132347	0.3838	
E	8 1,2-Dinitrobenzene	1	9.579	9.581	-0.002	89909	0.3897	
	9 1,3-Dinitrobenzene	1	10.239	10.241	-0.002	186909	0.3937	
	10 Tetryl	1	10.532	10.534	-0.002	94624	0.3910	
	12 Nitrobenzene	1	10.739	10.741	-0.002	140248	0.4030	
	13 Nitroglycerin	2	10.919	10.921	-0.002	436153	3.99	
	14 2,4,6-Trinitrotoluene	1	11.419	11.421	-0.002	123834	0.3906	
	15 4-Amino-2,6-dinitrotoluene	1	11.605	11.607	-0.002	94088	0.3947	
	16 2-Amino-4,6-dinitrotoluene	1	11.952	11.954	-0.002	122477	0.3892	
	17 2,6-Dinitrotoluene	1	12.199	12.201	-0.002	86645	0.3940	
	18 2,4-Dinitrotoluene	1	12.452	12.454	-0.002	177985	0.3838	
	19 o-Nitrotoluene	1	13.352	13.354	-0.002	78304	0.3900	
	20 p-Nitrotoluene	1	13.819	13.827	-0.008	68691	0.3875	
	21 PETN	2	14.185	14.172	0.013	607644	3.87	
	22 m-Nitrotoluene	1	14.372	14.374	-0.002	92524	0.3943	

Report Date: 27-Jul-2011 10:50:52 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Denchrom\chromdata\X4_C18\20110726-2256.b\07260010.D
Injection Date: 26-Jul-2011 20:48:20 Limit Group: GCSV - 8330B
Client ID: Instrument ID: CHHPLCX4_C18
Lims Batch ID: 78309 Lims Sample ID: 10
Operator ID: mpk Injection Vol: 100.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



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



Report Date: 27-Jul-2011 10:50:54 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260011.D		
Lims ID:	IC 8330 L4	Client ID:	
Inject. Date:	26-Jul-2011 21:14:43	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	IC 8330 L4		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	11
Lims Batch ID:	78309	Lims Sample ID:	11
Sublist:	chrom-8330_X4*sub1		

Method:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\8330_X4.m		
Last Update:	27-Jul-2011 10:50:53	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

First Level Reviewer: kellisonm Date: 27-Jul-2011 10:50:53

	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	1 2,6-diamino-4-nitrotoluene	1	7.108	7.108	0.0	77234	0.2473	
	2 HMX	1	7.308	7.308	0.0	32562	0.2268	
	3 2,4-diamino-6-nitrotoluene	1	7.421	7.421	0.0	49989	0.2453	
	4 MNX	1	8.128	8.128	0.0	51584	0.2515	
	5 RDX	1	8.514	8.514	0.0	40146	0.2445	
	6 2,4,6-Trinitrophenol	1	8.741	8.741	0.0	32467	0.2438	
	7 1,3,5-Trinitrobenzene	1	9.454	9.454	0.0	84485	0.2450	
E	8 1,2-Dinitrobenzene	1	9.581	9.581	0.0	57132	0.2476	
	9 1,3-Dinitrobenzene	1	10.241	10.241	0.0	119122	0.2509	
	10 Tetryl	1	10.534	10.534	0.0	60553	0.2502	
	12 Nitrobenzene	1	10.741	10.741	0.0	89127	0.2561	
	13 Nitroglycerin	2	10.921	10.921	0.0	278016	2.54	
	14 2,4,6-Trinitrotoluene	1	11.421	11.421	0.0	79475	0.2507	
	15 4-Amino-2,6-dinitrotoluene	1	11.607	11.607	0.0	59555	0.2498	
	16 2-Amino-4,6-dinitrotoluene	1	11.954	11.954	0.0	78161	0.2484	
	17 2,6-Dinitrotoluene	1	12.201	12.201	0.0	54975	0.2490	
	18 2,4-Dinitrotoluene	1	12.454	12.454	0.0	113654	0.2451	
	19 o-Nitrotoluene	1	13.354	13.354	0.0	49852	0.2471	
	20 p-Nitrotoluene	1	13.827	13.827	0.0	44533	0.2496	
	21 PETN	2	14.187	14.187	0.0	386350	2.46	
	22 m-Nitrotoluene	1	14.374	14.374	0.0	58946	0.2501	

Report Date: 27-Jul-2011 10:50:54 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Denchrom\chromdata\X4_C18\20110726-2256.b\07260011.D

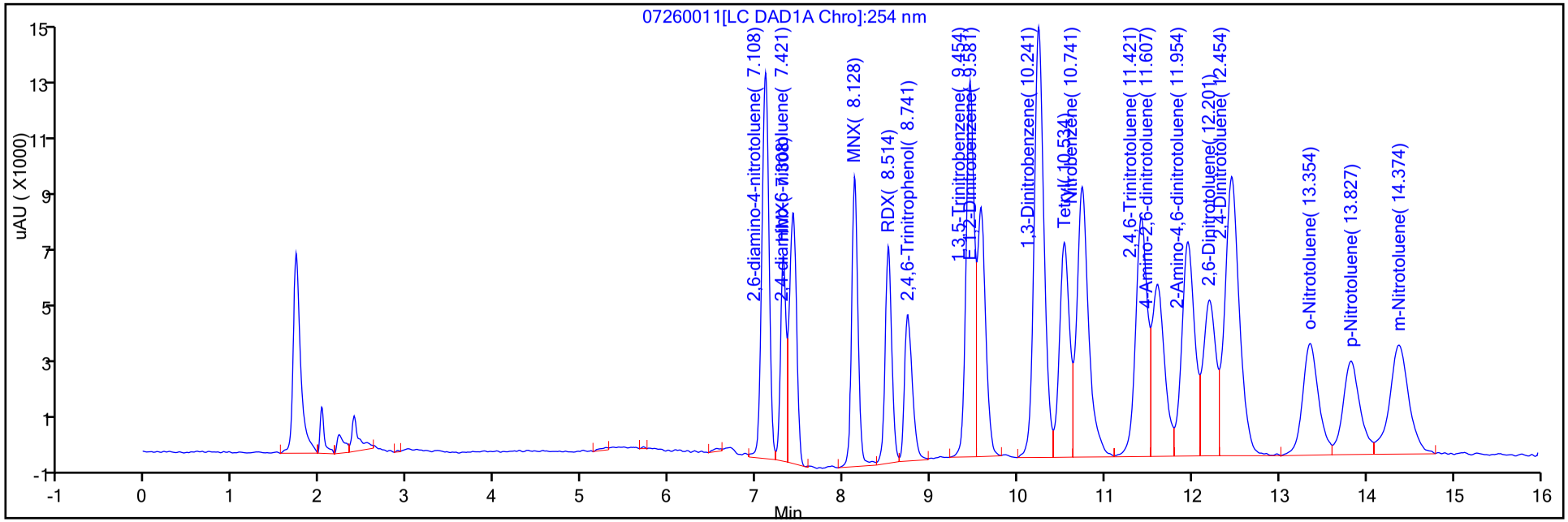
Injection Date: 26-Jul-2011 21:14:43 Limit Group: GCSV - 8330B

Client ID: Instrument ID: CHHPLCX4_C18

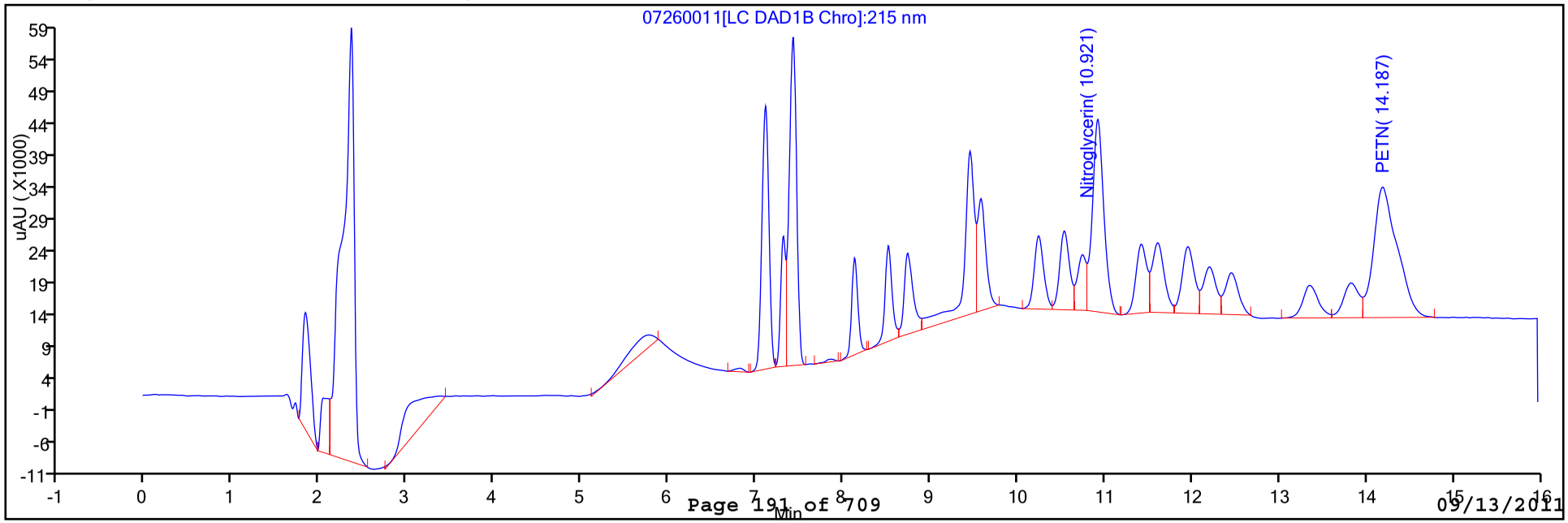
Lims Batch ID: 78309 Lims Sample ID: 11

Operator ID: mpk Injection Vol: 100.00 ul

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



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



TestAmerica Laboratories
Target Compound Quantitation Report

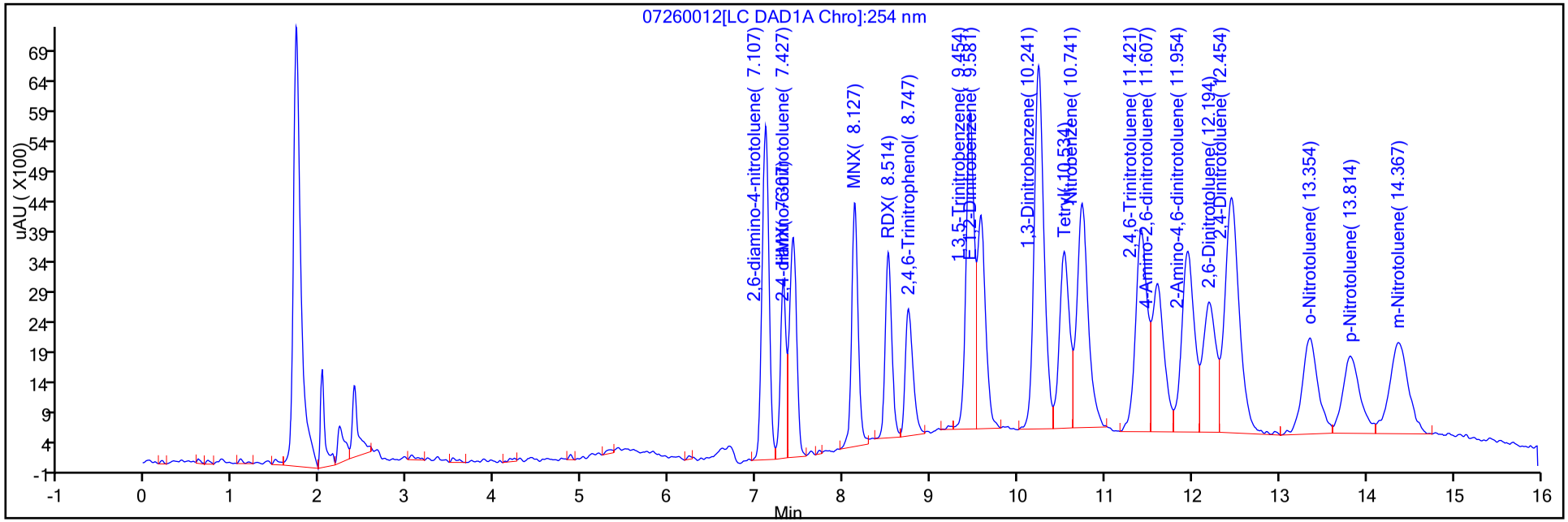
Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260012.D		
Lims ID:	IC 8330 L3	Client ID:	
Inject. Date:	26-Jul-2011 21:41:01	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	IC 8330 L3		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	12
Lims Batch ID:	78309	Lims Sample ID:	12
Sublist:	chrom-8330_X4*sub1		

Method:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\8330_X4.m		
Last Update:	27-Jul-2011 10:50:55	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

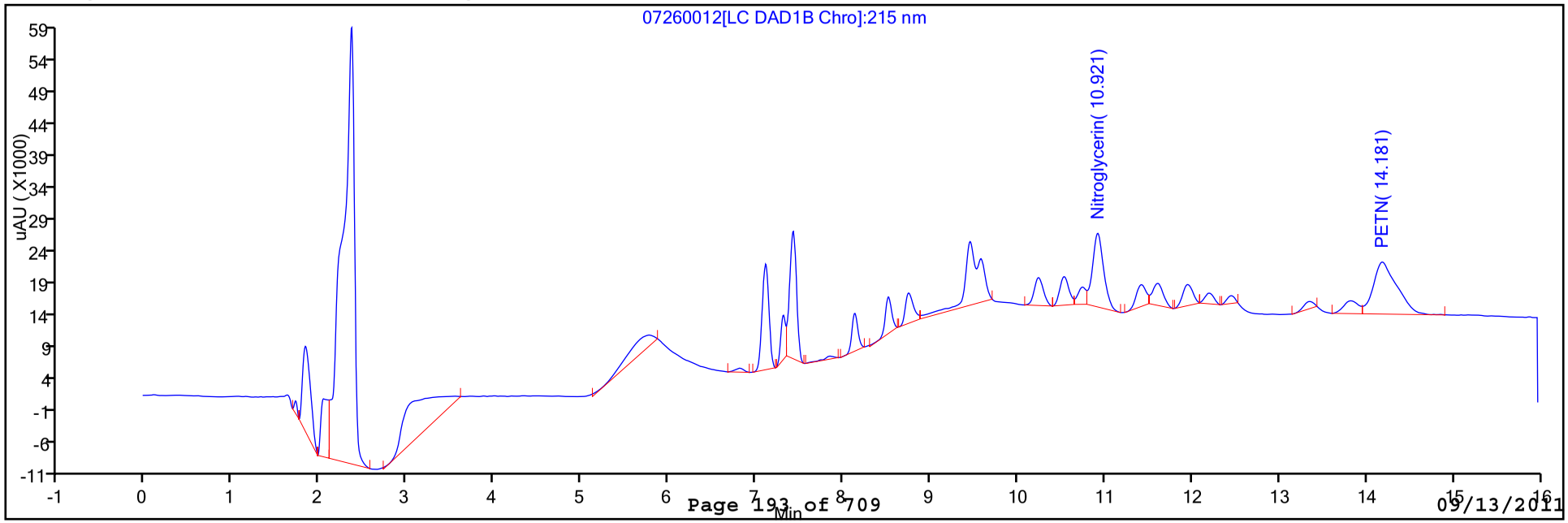
First Level Reviewer: kellisonm Date: 27-Jul-2011 10:50:55

	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	1 2,6-diamino-4-nitrotoluene	1	7.107	7.108	-0.001	30944	0.0991	
	2 HMX	1	7.307	7.308	-0.001	13663	0.0951	
	3 2,4-diamino-6-nitrotoluene	1	7.427	7.421	0.006	20880	0.1024	
	4 MNX	1	8.127	8.128	-0.001	20934	0.0989	
	5 RDX	1	8.514	8.514	0.0	16120	0.0982	
	6 2,4,6-Trinitrophenol	1	8.747	8.741	0.006	13042	0.0979	
	7 1,3,5-Trinitrobenzene	1	9.454	9.454	0.0	33815	0.0981	
E	8 1,2-Dinitrobenzene	1	9.581	9.581	0.0	23128	0.1002	
	9 1,3-Dinitrobenzene	1	10.241	10.241	0.0	47281	0.0996	
	10 Tetryl	1	10.534	10.534	0.0	23601	0.0975	
	12 Nitrobenzene	1	10.741	10.741	0.0	33636	0.0967	
	13 Nitroglycerin	2	10.921	10.921	0.0	103038	0.9421	
	14 2,4,6-Trinitrotoluene	1	11.421	11.421	0.0	31601	0.0997	
	15 4-Amino-2,6-dinitrotoluene	1	11.607	11.607	0.0	23353	0.0980	
	16 2-Amino-4,6-dinitrotoluene	1	11.954	11.954	0.0	30738	0.0977	
	17 2,6-Dinitrotoluene	1	12.194	12.201	-0.007	22356	0.0997	
	18 2,4-Dinitrotoluene	1	12.454	12.454	0.0	45710	0.0986	
	19 o-Nitrotoluene	1	13.354	13.354	0.0	20020	0.0972	
	20 p-Nitrotoluene	1	13.814	13.827	-0.013	17789	0.0969	
	21 PETN	2	14.181	14.187	-0.006	154448	0.9834	
	22 m-Nitrotoluene	1	14.367	14.374	-0.007	22781	0.0948	

Report Date: 27-Jul-2011 10:50:56 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Denchrom\chromdata\X4_C18\20110726-2256.b\07260012.D
Injection Date: 26-Jul-2011 21:41:01 Limit Group: GCSV - 8330B
Client ID: Instrument ID: CHHPLCX4_C18
Lims Batch ID: 78309 Lims Sample ID: 12
Operator ID: mpk Injection Vol: 100.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



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



Report Date: 27-Jul-2011 10:50:57 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260013.D		
Lims ID:	IC 8330 L2	Client ID:	
Inject. Date:	26-Jul-2011 22:07:18	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	IC 8330 L2		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	13
Lims Batch ID:	78309	Lims Sample ID:	13
Sublist:	chrom-8330_X4*sub1		

Method:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\8330_X4.m		
Last Update:	27-Jul-2011 10:50:57	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

First Level Reviewer: kellisonm Date: 27-Jul-2011 10:50:57

	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	1 2,6-diamino-4-nitrotoluene	1	7.108	7.108	0.0	15766	0.0505	
	2 HMX	1	7.315	7.308	0.007	7178	0.0500	
	3 2,4-diamino-6-nitrotoluene	1	7.428	7.421	0.007	11211	0.0550	
	4 MNX	1	8.128	8.128	0.0	11417	0.0516	
	5 RDX	1	8.515	8.514	0.001	8523	0.0519	
	6 2,4,6-Trinitrophenol	1	8.755	8.741	0.014	6893	0.0518	
	7 1,3,5-Trinitrobenzene	1	9.461	9.454	0.007	18146	0.0526	
E	8 1,2-Dinitrobenzene	1	9.581	9.581	0.0	11944	0.0518	
	9 1,3-Dinitrobenzene	1	10.248	10.241	0.007	24058	0.0507	
	10 Tetryl	1	10.541	10.534	0.007	12336	0.0510	
	12 Nitrobenzene	1	10.741	10.741	0.0	18270	0.0525	
	13 Nitroglycerin	2	10.921	10.921	0.0	53149	0.4859	
	14 2,4,6-Trinitrotoluene	1	11.428	11.421	0.007	16541	0.0522	
	15 4-Amino-2,6-dinitrotoluene	1	11.608	11.607	0.001	12055	0.0506	
	16 2-Amino-4,6-dinitrotoluene	1	11.961	11.954	0.007	15909	0.0506	
	17 2,6-Dinitrotoluene	1	12.208	12.201	0.007	11128	0.0483	
	18 2,4-Dinitrotoluene	1	12.461	12.454	0.007	23224	0.0501	
	19 o-Nitrotoluene	1	13.348	13.354	-0.006	10755	0.0507	
	20 p-Nitrotoluene	1	13.828	13.827	0.001	10125	0.0532	
	21 PETN	2	14.188	14.187	0.001	76621	0.4879	
	22 m-Nitrotoluene	1	14.381	14.374	0.007	12835	0.0520	

Report Date: 27-Jul-2011 10:50:58 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Denchrom\chromdata\X4_C18\20110726-2256.b\07260013.D

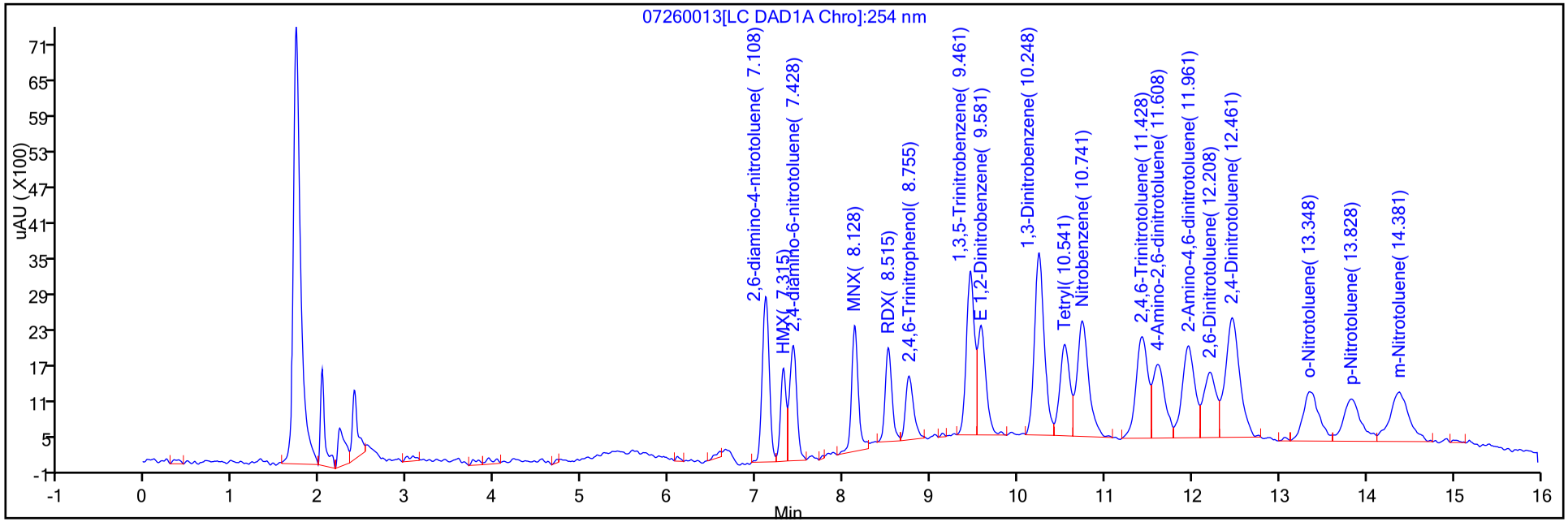
Injection Date: 26-Jul-2011 22:07:18 Limit Group: GCSV - 8330B

Client ID: Instrument ID: CHHPLCX4_C18

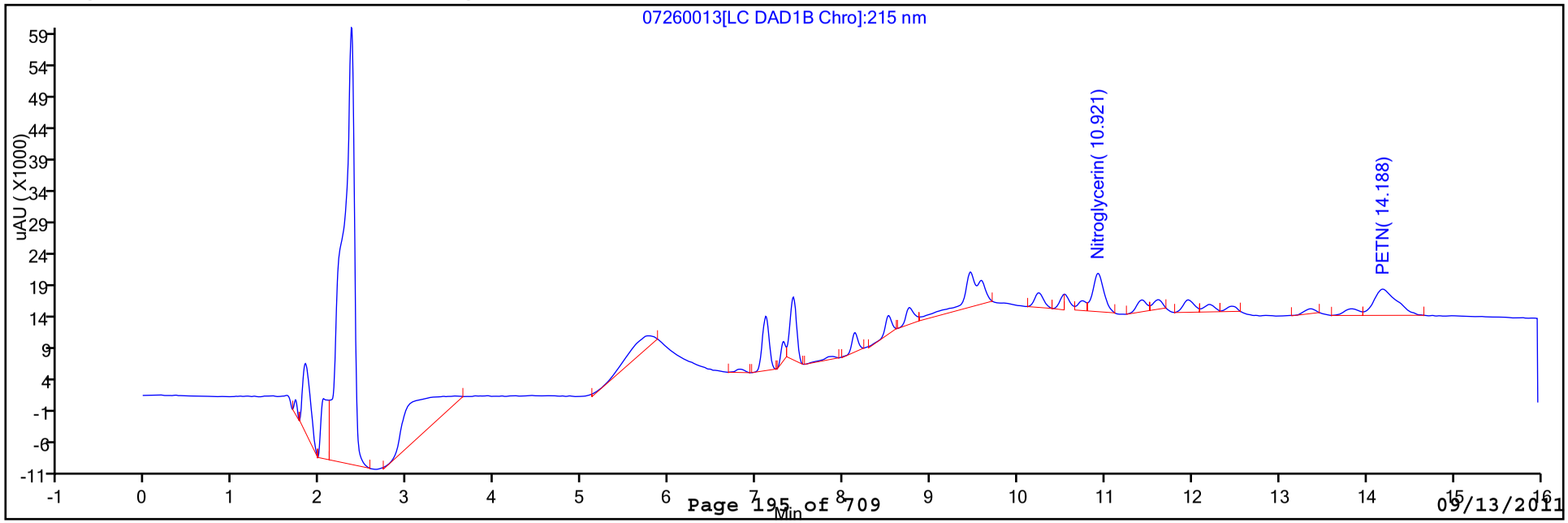
Lims Batch ID: 78309 Lims Sample ID: 13

Operator ID: mpk Injection Vol: 100.00 ul

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



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



Report Date: 27-Jul-2011 10:51:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260014.D		
Lims ID:	IC 8330 L1	Client ID:	
Inject. Date:	26-Jul-2011 22:33:36	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	IC 8330 L1		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	14
Lims Batch ID:	78309	Lims Sample ID:	14
Sublist:	chrom-8330_X4*sub1		

Method:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\8330_X4.m		
Last Update:	27-Jul-2011 10:50:59	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC363		

First Level Reviewer: kellisonm Date: 27-Jul-2011 10:50:59

	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	1 2,6-diamino-4-nitrotoluene	1	7.112	7.108	0.004	3439	0.0110	
	2 HMX	1	7.312	7.308	0.004	1661	0.0116	
	3 2,4-diamino-6-nitrotoluene	1	7.432	7.421	0.011	2264	0.0111	
	4 MNX	1	8.132	8.128	0.004	3055	0.0099	M
	5 RDX	1	8.512	8.514	-0.002	1874	0.0114	
	6 2,4,6-Trinitrophenol	1	8.766	8.741	0.025	1385	0.0104	
	7 1,3,5-Trinitrobenzene	1	9.466	9.454	0.012	3613	0.0105	
E	8 1,2-Dinitrobenzene	1	9.572	9.581	-0.009	2462	0.0107	
	9 1,3-Dinitrobenzene	1	10.246	10.241	0.005	4746	0.0100	M
	10 Tetryl	1	10.526	10.534	-0.008	2458	0.0102	M
	12 Nitrobenzene	1	10.732	10.741	-0.009	3077	0.008843	M
	13 Nitroglycerin	2	10.919	10.921	-0.002	10548	0.0964	M
	14 2,4,6-Trinitrotoluene	1	11.412	11.421	-0.009	3093	0.009756	M
	15 4-Amino-2,6-dinitrotoluene	1	11.592	11.607	-0.015	2422	0.0102	M
	16 2-Amino-4,6-dinitrotoluene	1	11.946	11.954	-0.008	3397	0.0108	M
	17 2,6-Dinitrotoluene	1	12.186	12.201	-0.015	2789	0.0101	M
	18 2,4-Dinitrotoluene	1	12.459	12.454	0.005	5154	0.0111	M
	19 o-Nitrotoluene	1	13.319	13.354	-0.035	2654	0.0100	
	20 p-Nitrotoluene	1	13.772	13.827	-0.055	2544	0.0099	
	21 PETN	2	14.172	14.187	-0.015	17690	0.1126	M
	22 m-Nitrotoluene	1	14.326	14.374	-0.048	3039	0.0100	M

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 27-Jul-2011 10:51:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Denchrom\chromdata\X4_C18\20110726-2256.b\07260014.D

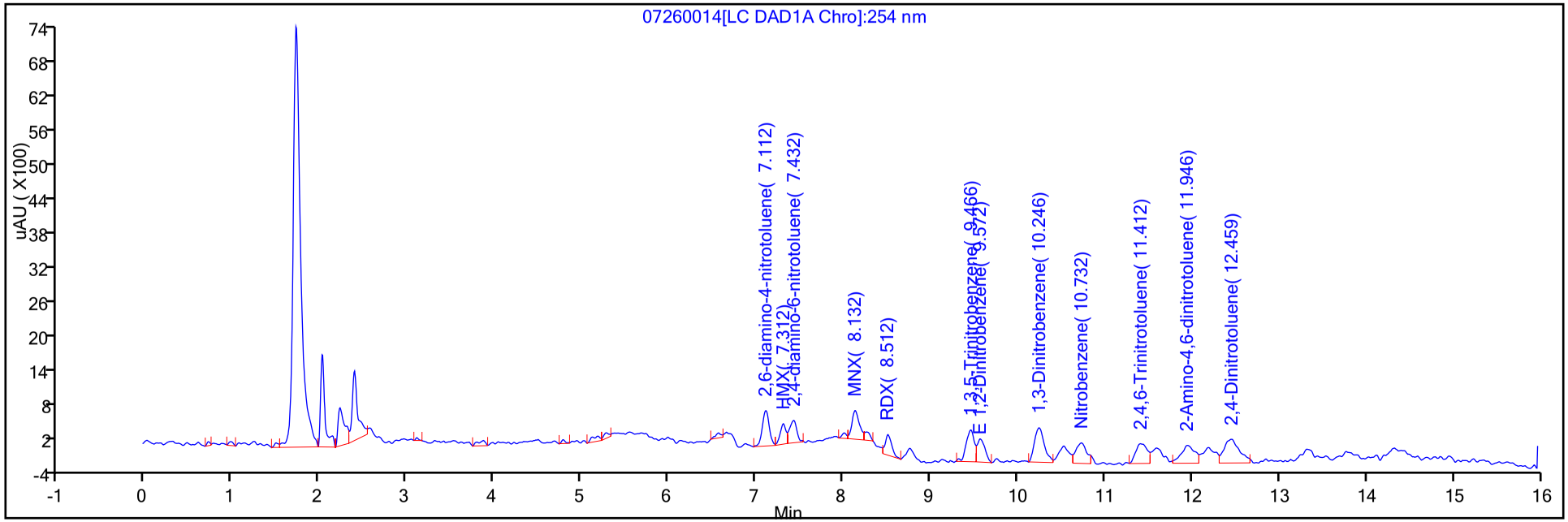
Injection Date: 26-Jul-2011 22:33:36 Limit Group: GCSV - 8330B

Client ID: Instrument ID: CHHPLCX4_C18

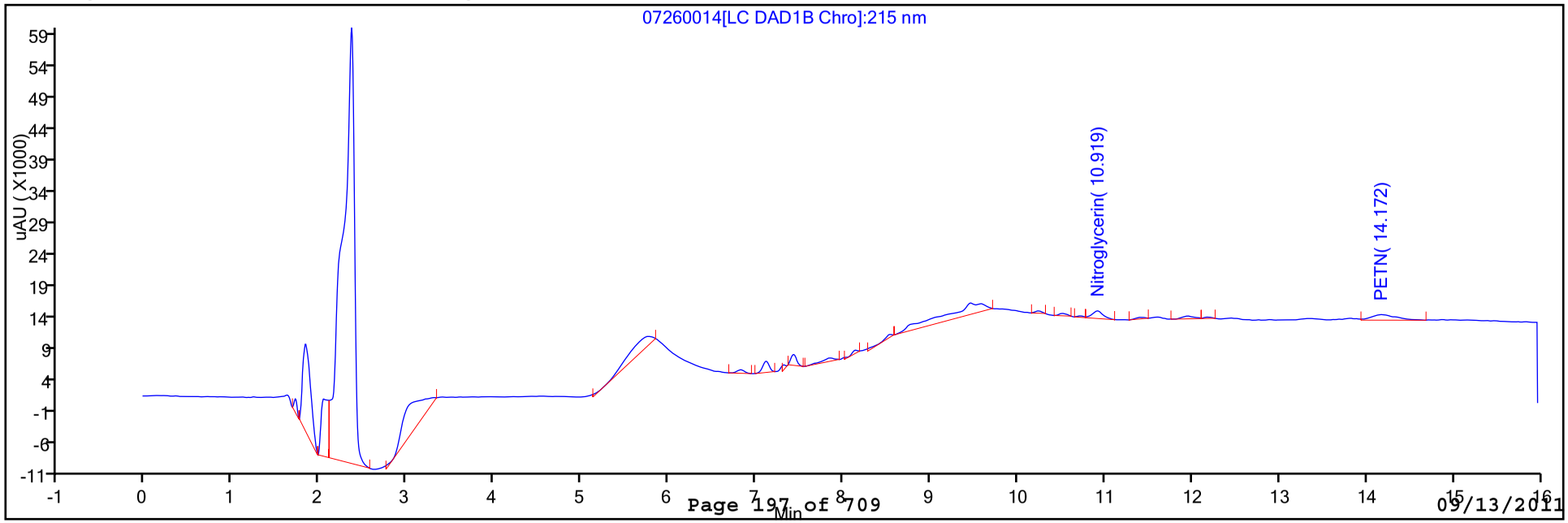
Lims Batch ID: 78309 Lims Sample ID: 14

Operator ID: mpk Injection Vol: 100.00 ul

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



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



Report Date: 27-Jul-2011 10:51:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

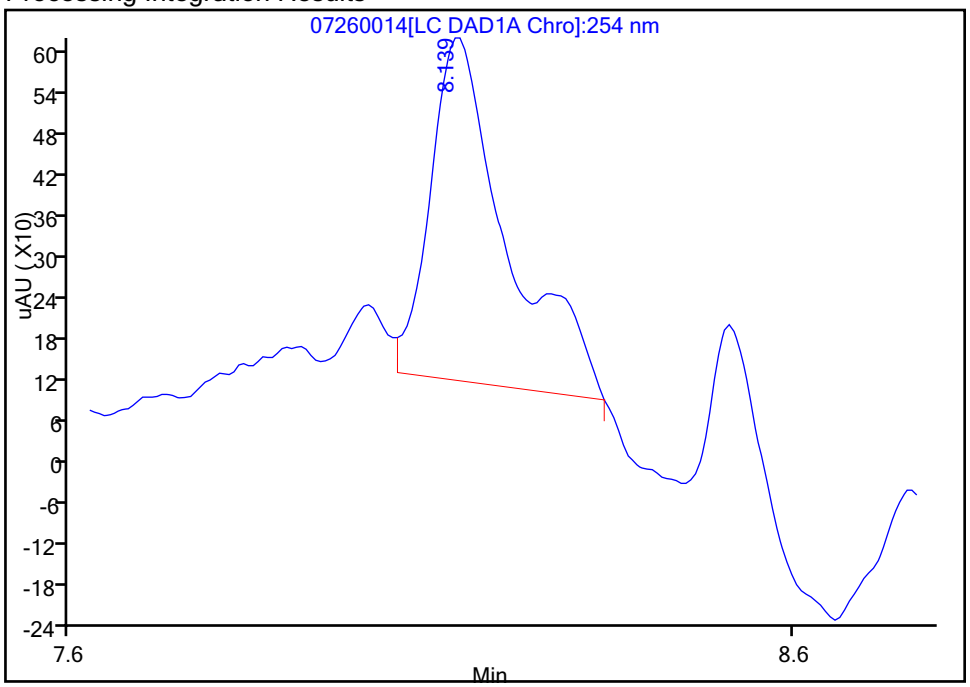
Manual Integration/User Assign Peak Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260014.D		
Injection Date:	26-Jul-2011 22:33:36	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	78309	Lims Sample ID:	14
Operator ID:	mpk	Injection Vol:	100.00 ul

4 MNX, Signal: 1, Type: quant, RT: 8.13, Det: LC DAD1B

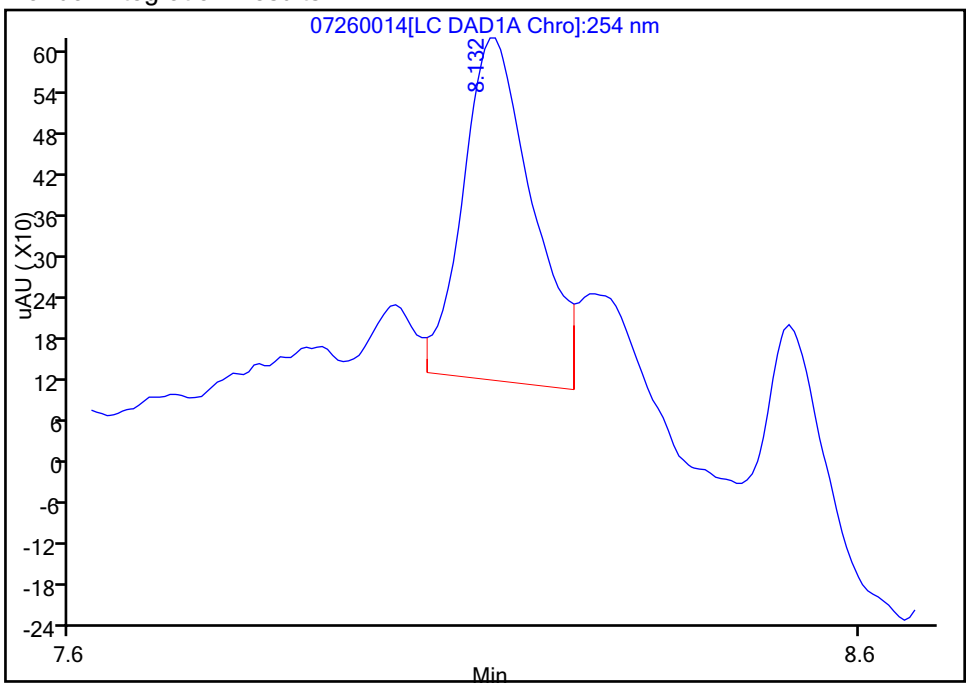
Processing Integration Results

RT: 8.14
Response: 3691
Amount: 0.010054



Manual Integration Results

RT: 8.13
Response: 3055
Amount: 0.009949



Reviewer: kellisonm, 27-Jul-2011 10:40:11
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

Report Date: 27-Jul-2011 10:51:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

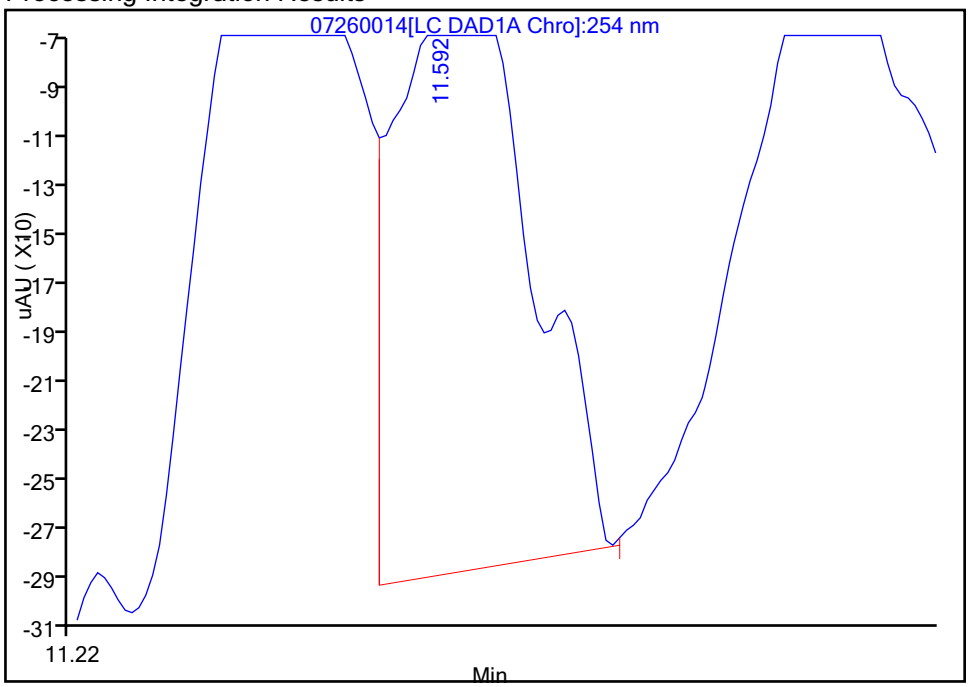
Manual Integration/User Assign Peak Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260014.D		
Injection Date:	26-Jul-2011 22:33:36	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	78309	Lims Sample ID:	14
Operator ID:	mpk	Injection Vol:	100.00 ul

15 4-Amino-2,6-dinitrotoluene, Signal: 1, Type: quant, RT: 11.61, Det: LC DAD1B

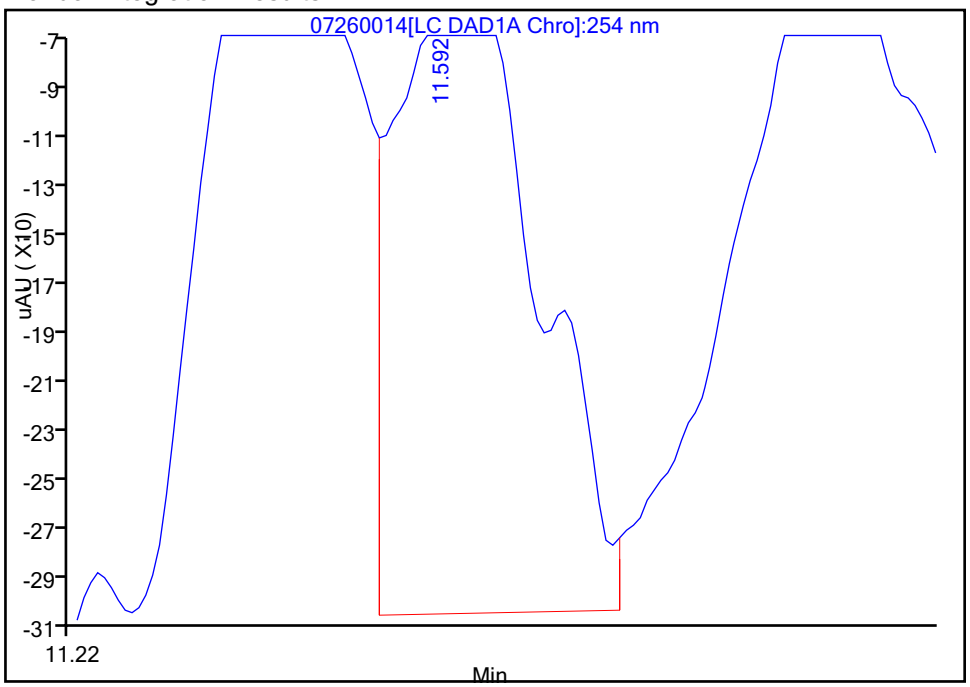
Processing Integration Results

RT: 11.59
Response: 2156
Amount: 0.009171



Manual Integration Results

RT: 11.59
Response: 2422
Amount: 0.010159



Reviewer: kellisonm, 27-Jul-2011 10:34:01
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Report Date: 27-Jul-2011 10:51:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

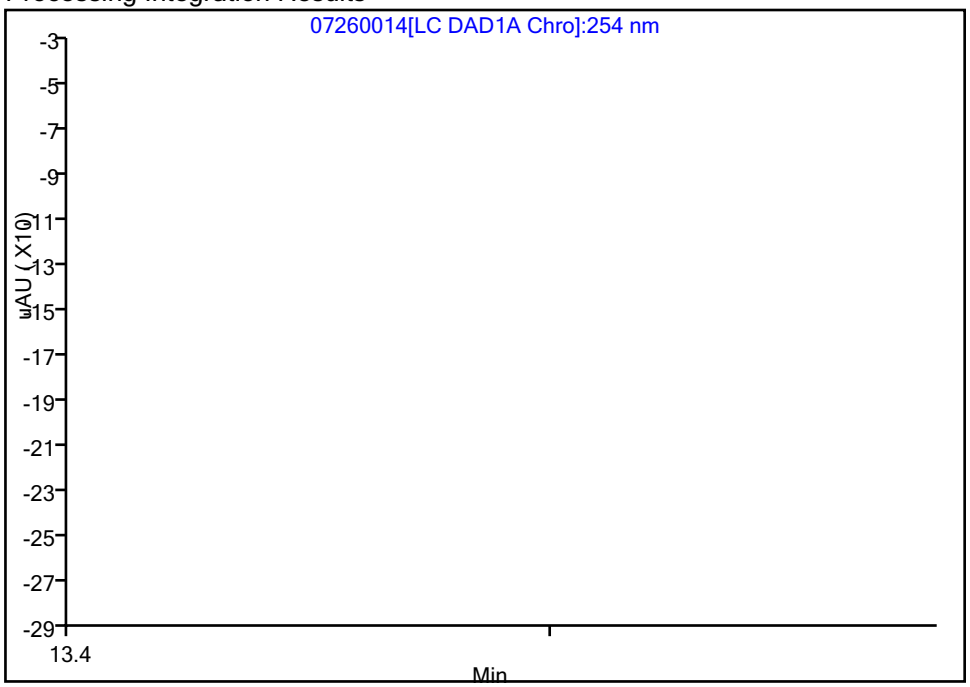
Manual Integration/User Assign Peak Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260014.D		
Injection Date:	26-Jul-2011 22:33:36	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	78309	Lims Sample ID:	14
Operator ID:	mpk	Injection Vol:	100.00 ul

22 m-Nitrotoluene, Signal: 1, Type: quant, RT: 14.37, Det: LC DAD1B

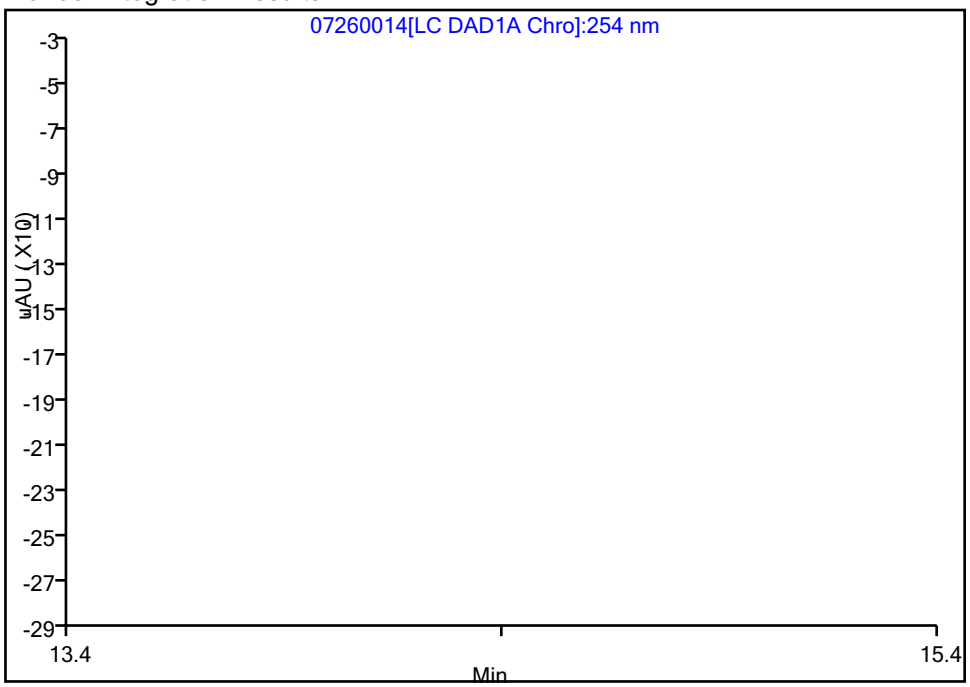
Processing Integration Results

RT: 14.33
Response: 1784
Amount: 0.009799



Manual Integration Results

RT: 14.33
Response: 3039
Amount: 0.009971



Reviewer: kellisonm, 27-Jul-2011 10:34:01
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

Report Date: 27-Jul-2011 10:51:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

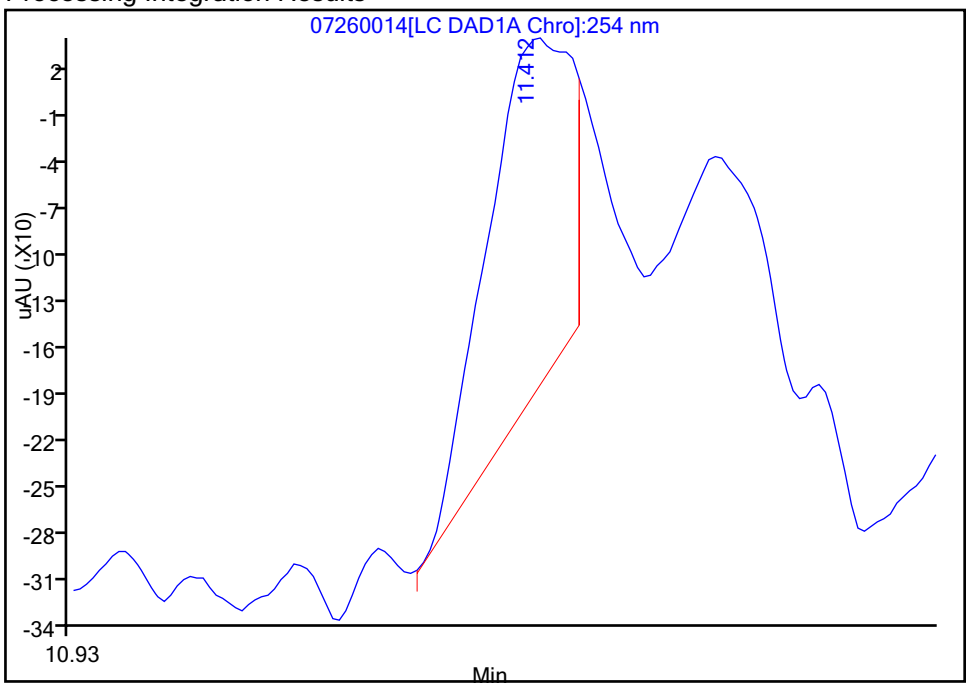
Manual Integration/User Assign Peak Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260014.D		
Injection Date:	26-Jul-2011 22:33:36	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	78309	Lims Sample ID:	14
Operator ID:	mpk	Injection Vol:	100.00 ul

14 2,4,6-Trinitrotoluene, Signal: 1, Type: quant, RT: 11.42, Det: LC DAD1B

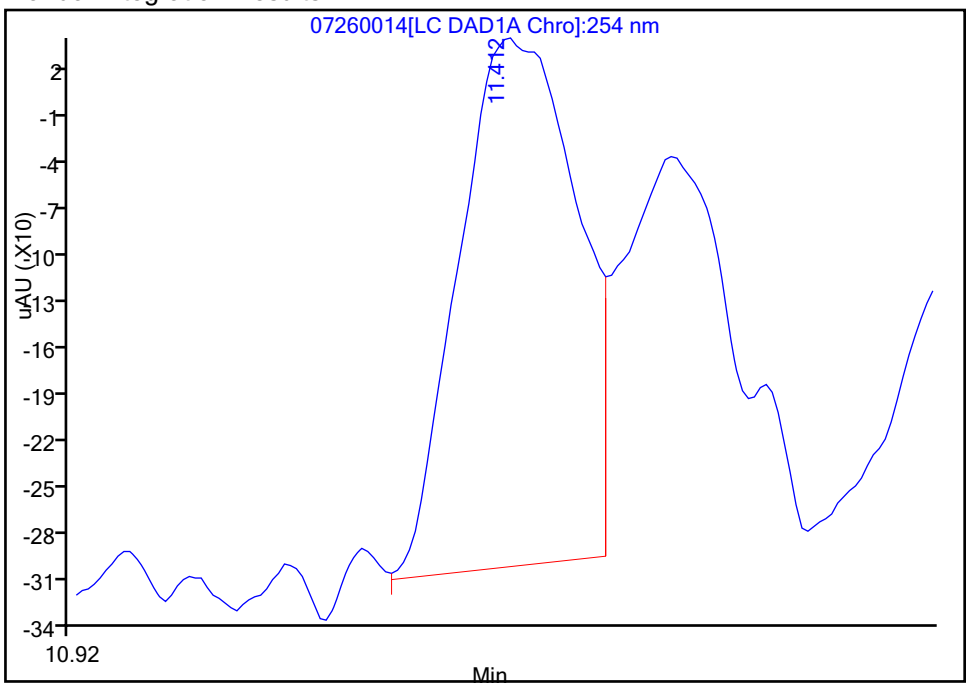
Processing Integration Results

RT: 11.41
Response: 1367
Amount: 0.009752



Manual Integration Results

RT: 11.41
Response: 3093
Amount: 0.009756



Reviewer: kellisonm, 27-Jul-2011 10:34:01
Audit Action: Split an Integrated Peak
Audit Reason: Incomplete Integration

Report Date: 27-Jul-2011 10:51:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

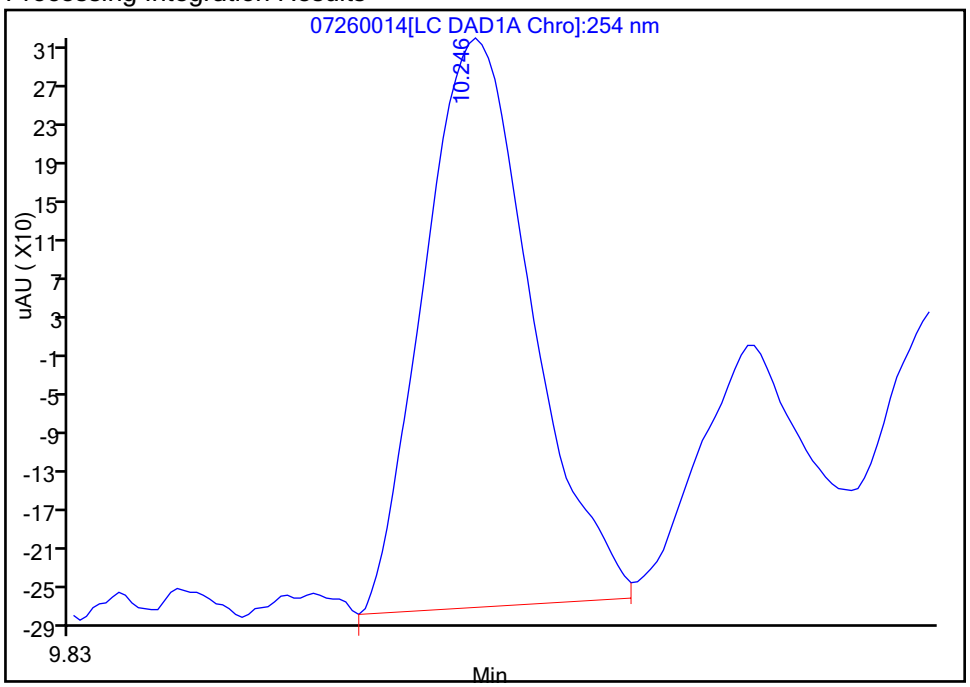
Manual Integration/User Assign Peak Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260014.D		
Injection Date:	26-Jul-2011 22:33:36	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	78309	Lims Sample ID:	14
Operator ID:	mpk	Injection Vol:	100.00 ul

9 1,3-Dinitrobenzene, Signal: 1, Type: quant, RT: 10.24, Det: LC DAD1B

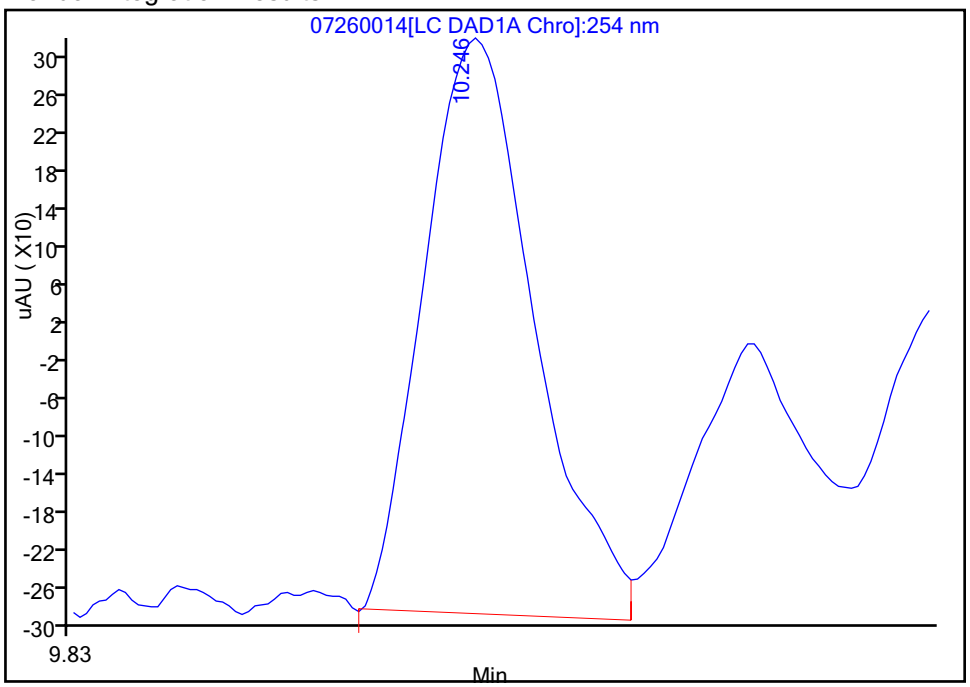
Processing Integration Results

RT: 10.25
Response: 4553
Amount: 0.009640



Manual Integration Results

RT: 10.25
Response: 4746
Amount: 0.009998



Reviewer: kellisonm, 27-Jul-2011 10:34:01
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Report Date: 27-Jul-2011 10:51:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

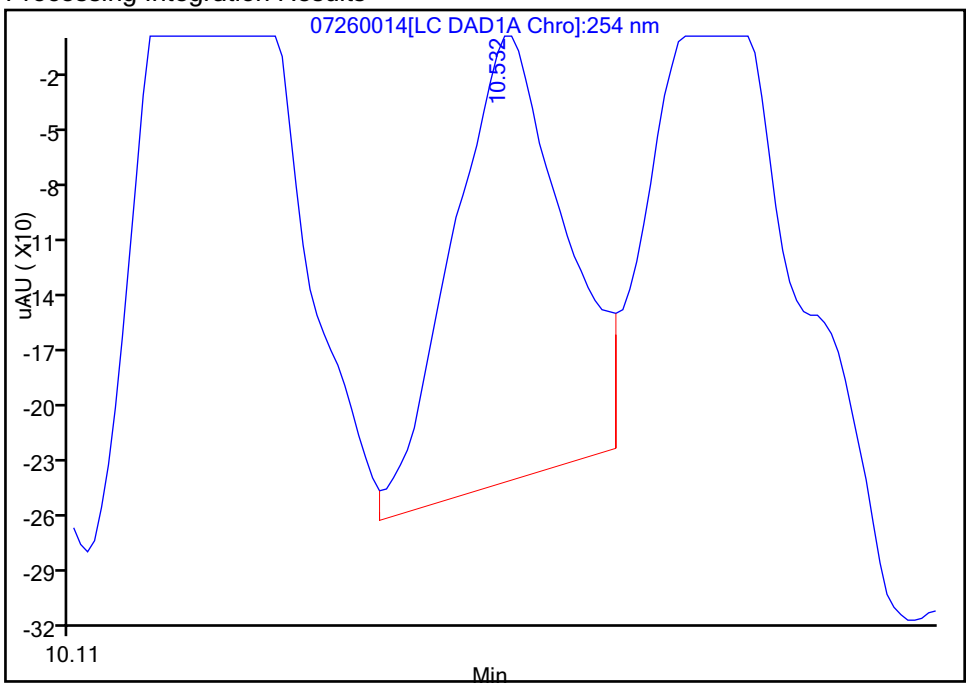
Manual Integration/User Assign Peak Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260014.D		
Injection Date:	26-Jul-2011 22:33:36	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	78309	Lims Sample ID:	14
Operator ID:	mpk	Injection Vol:	100.00 ul

10 Tetryl, Signal: 1, Type: quant, RT: 10.53, Det: LC DAD1B

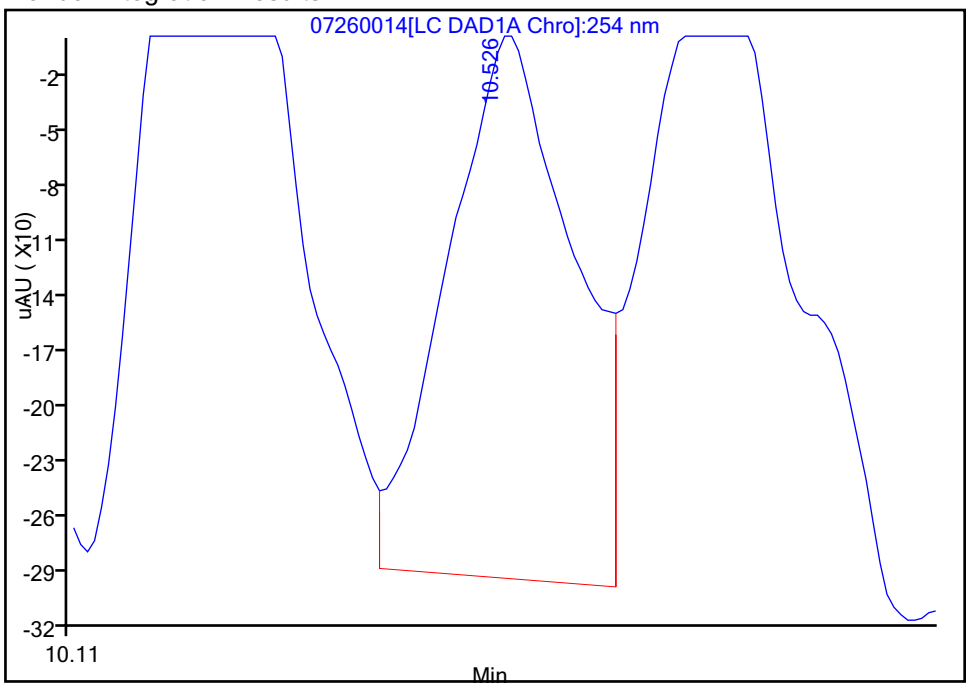
Processing Integration Results

RT: 10.53
Response: 1771
Amount: 0.009894



Manual Integration Results

RT: 10.53
Response: 2458
Amount: 0.010156



Reviewer: kellisonm, 27-Jul-2011 10:34:01
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Report Date: 27-Jul-2011 10:51:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

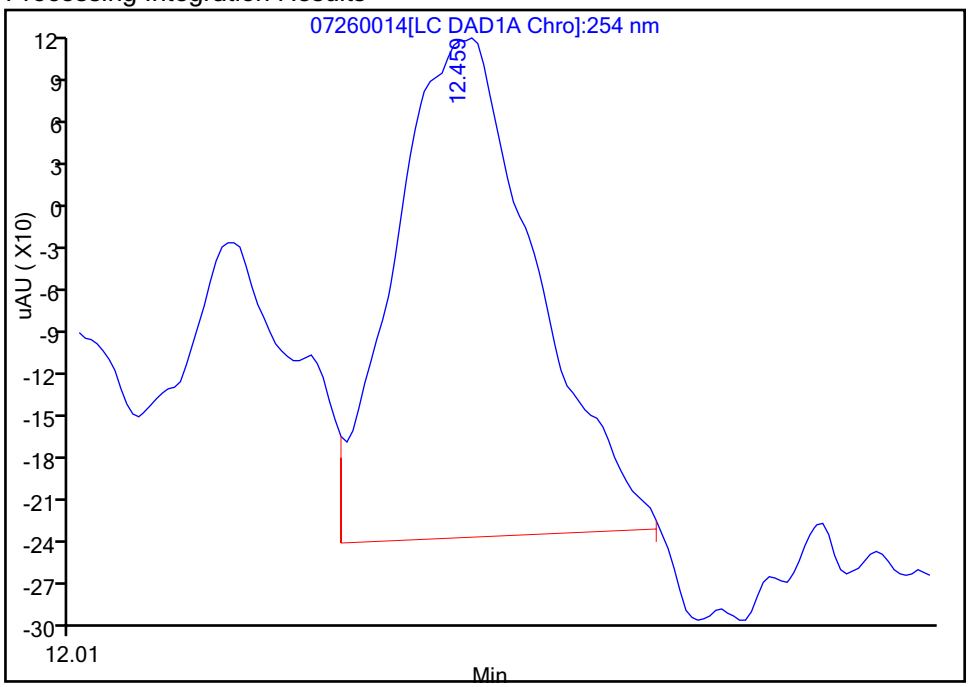
Manual Integration/User Assign Peak Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260014.D		
Injection Date:	26-Jul-2011 22:33:36	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	78309	Lims Sample ID:	14
Operator ID:	mpk	Injection Vol:	100.00 ul

18 2,4-Dinitrotoluene, Signal: 1, Type: quant, RT: 12.45, Det: LC DAD1B

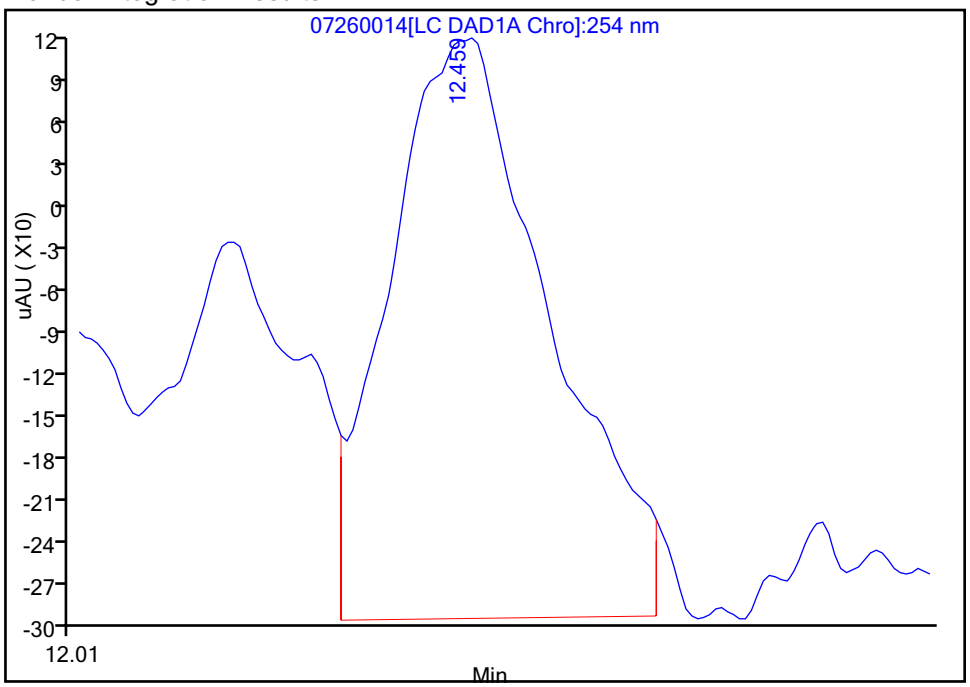
Processing Integration Results

RT: 12.46
Response: 3892
Amount: 0.008688



Manual Integration Results

RT: 12.46
Response: 5154
Amount: 0.011113



Reviewer: kellisonm, 27-Jul-2011 10:34:01
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Report Date: 27-Jul-2011 10:51:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

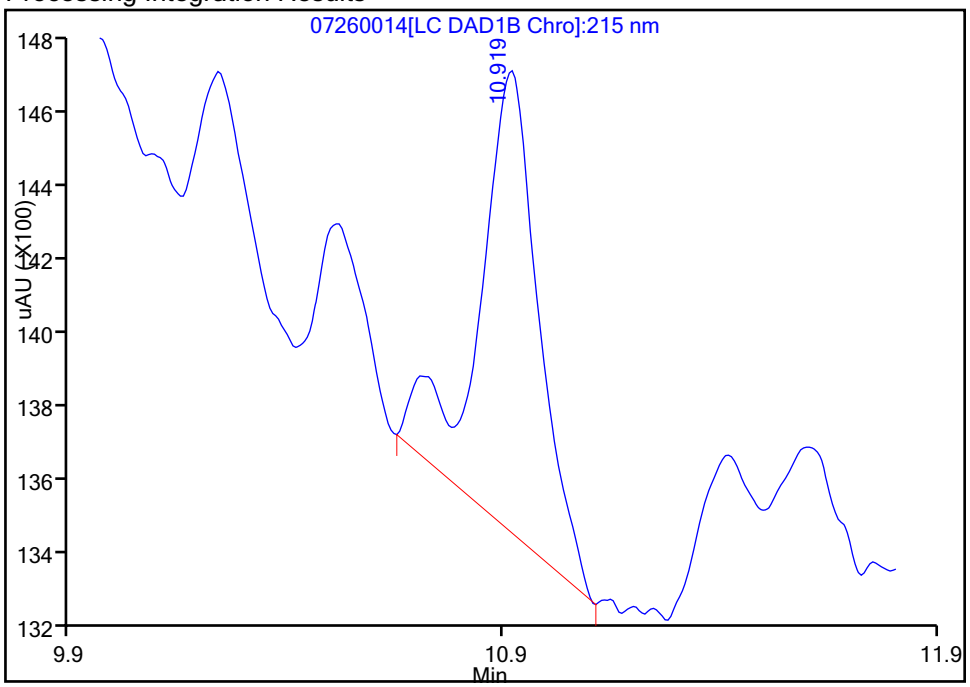
Manual Integration/User Assign Peak Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260014.D		
Injection Date:	26-Jul-2011 22:33:36	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	78309	Lims Sample ID:	14
Operator ID:	mpk	Injection Vol:	100.00 ul

13 Nitroglycerin, Signal: 1, Type: quant, RT: 10.92, Det: LC DAD1C

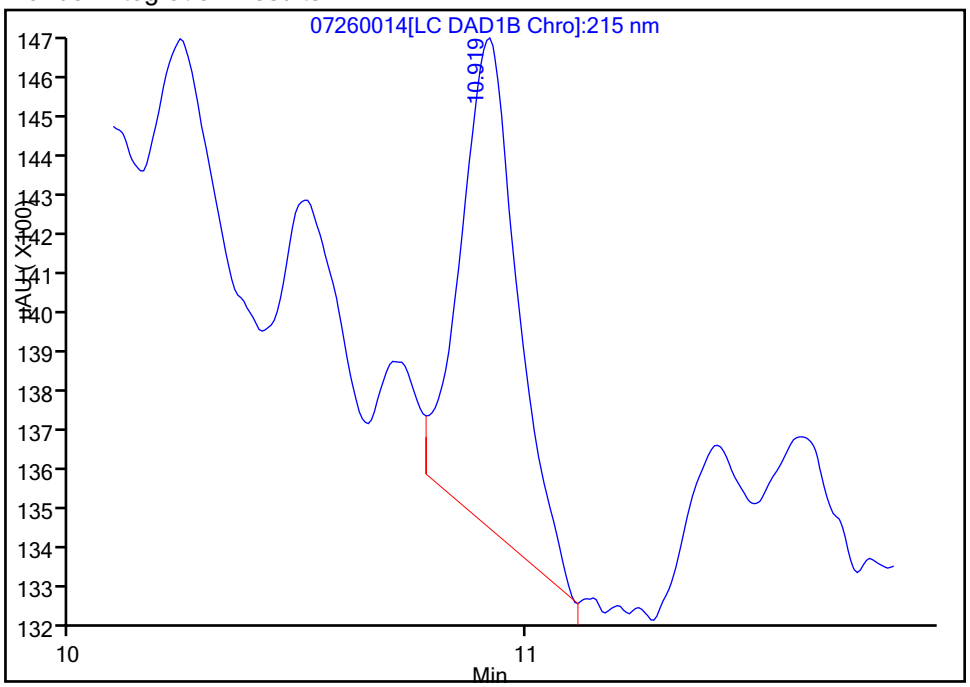
Processing Integration Results

RT: 10.92
Response: 11695
Amount: 0.327939



Manual Integration Results

RT: 10.92
Response: 10548
Amount: 0.096438



Reviewer: kellisonm, 27-Jul-2011 10:34:01
Audit Action: Split an Integrated Peak
Audit Reason: Incomplete Integration

Report Date: 27-Jul-2011 10:51:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

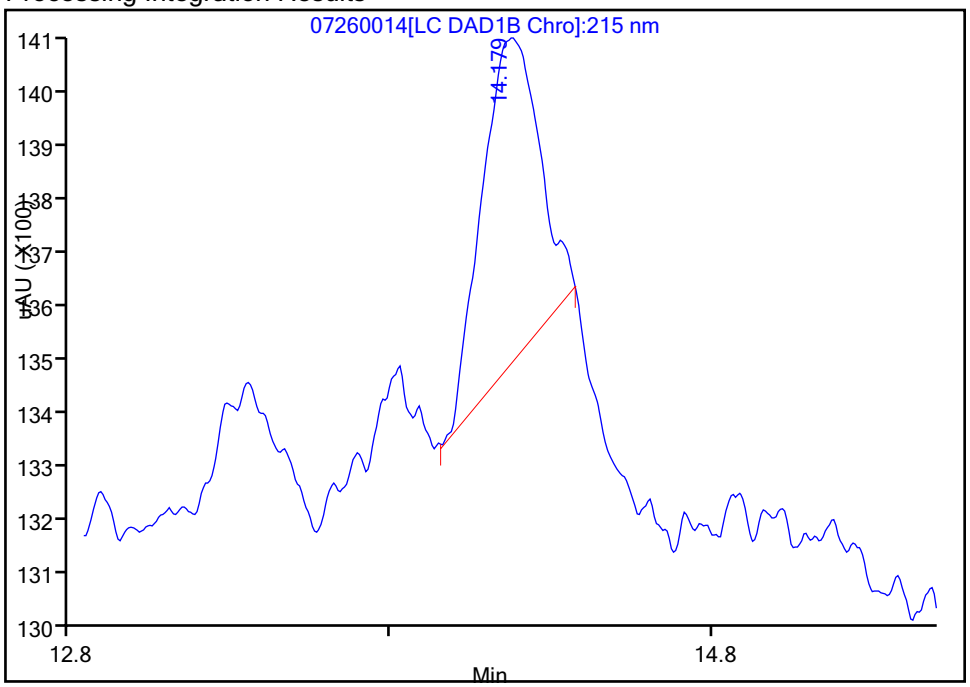
Manual Integration/User Assign Peak Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260014.D		
Injection Date:	26-Jul-2011 22:33:36	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	78309	Lims Sample ID:	14
Operator ID:	mpk	Injection Vol:	100.00 ul

21 PETN, Signal: 1, Type: quant, RT: 14.19, Det: LC DAD1C

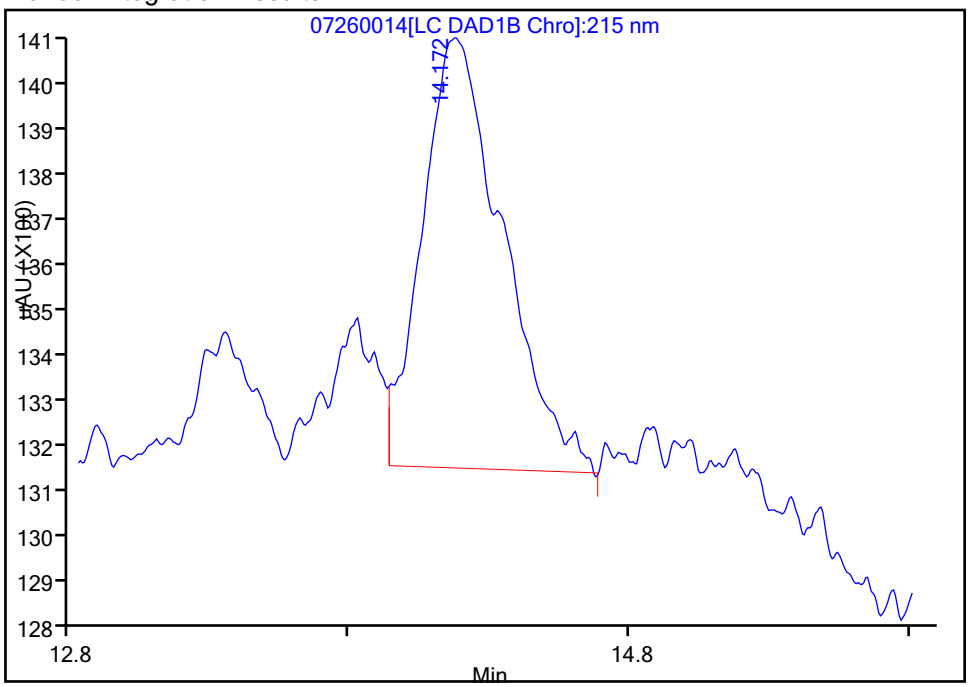
Processing Integration Results

RT: 14.18
Response: 7144
Amount: 0.098404



Manual Integration Results

RT: 14.17
Response: 17690
Amount: 0.112639



Reviewer: kellisonm, 27-Jul-2011 10:37:57
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Report Date: 27-Jul-2011 10:51:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

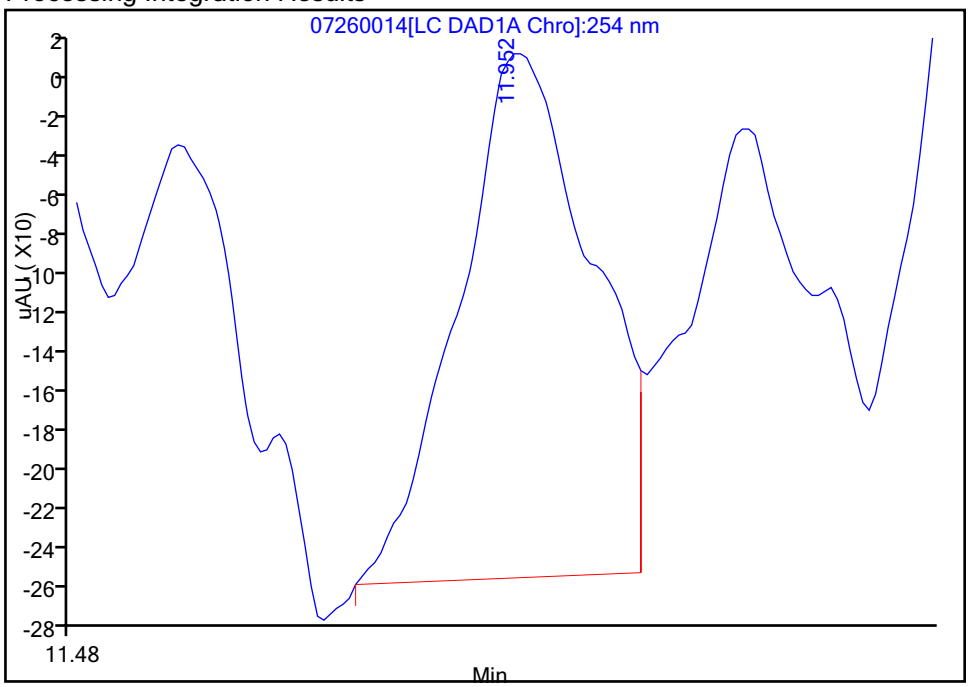
Manual Integration/User Assign Peak Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260014.D		
Injection Date:	26-Jul-2011 22:33:36	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	78309	Lims Sample ID:	14
Operator ID:	mpk	Injection Vol:	100.00 ul

16 2-Amino-4,6-dinitrotoluene, Signal: 1, Type: quant, RT: 11.95, Det: LC DAD1B

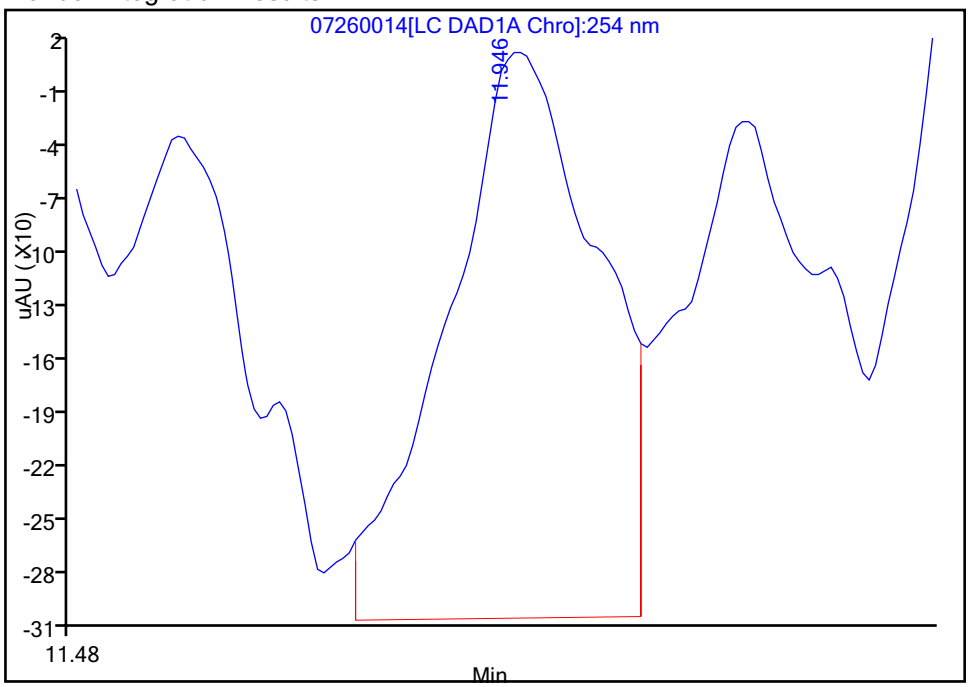
Processing Integration Results

RT: 11.95
Response: 2569
Amount: 0.009910



Manual Integration Results

RT: 11.95
Response: 3397
Amount: 0.010795



Reviewer: kellisonm, 27-Jul-2011 10:34:01
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Report Date: 27-Jul-2011 10:51:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

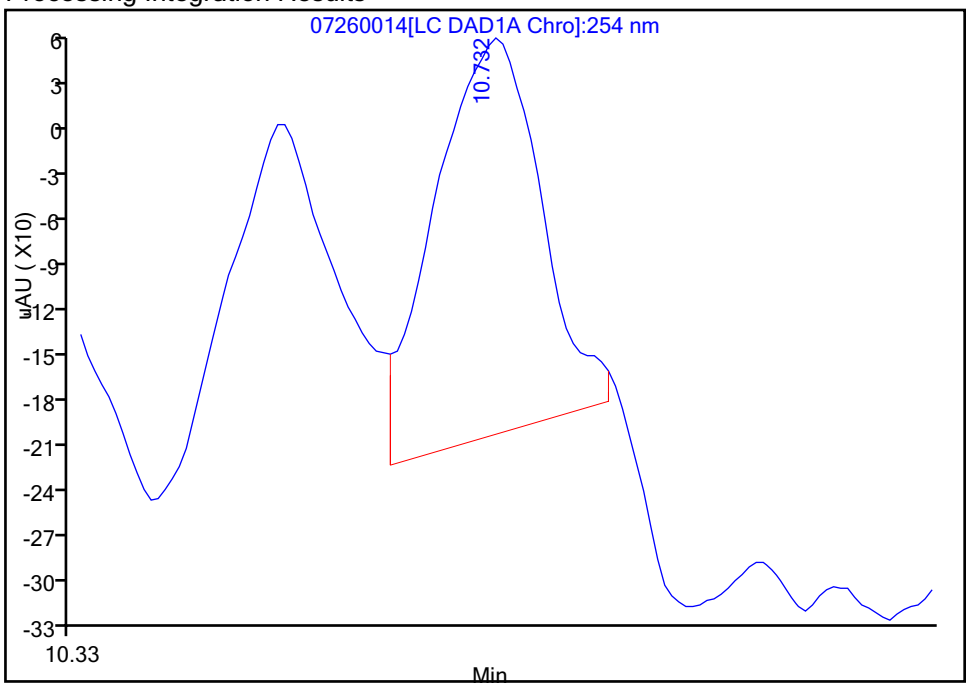
Manual Integration/User Assign Peak Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260014.D		
Injection Date:	26-Jul-2011 22:33:36	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	78309	Lims Sample ID:	14
Operator ID:	mpk	Injection Vol:	100.00 ul

12 Nitrobenzene, Signal: 1, Type: quant, RT: 10.74, Det: LC DAD1B

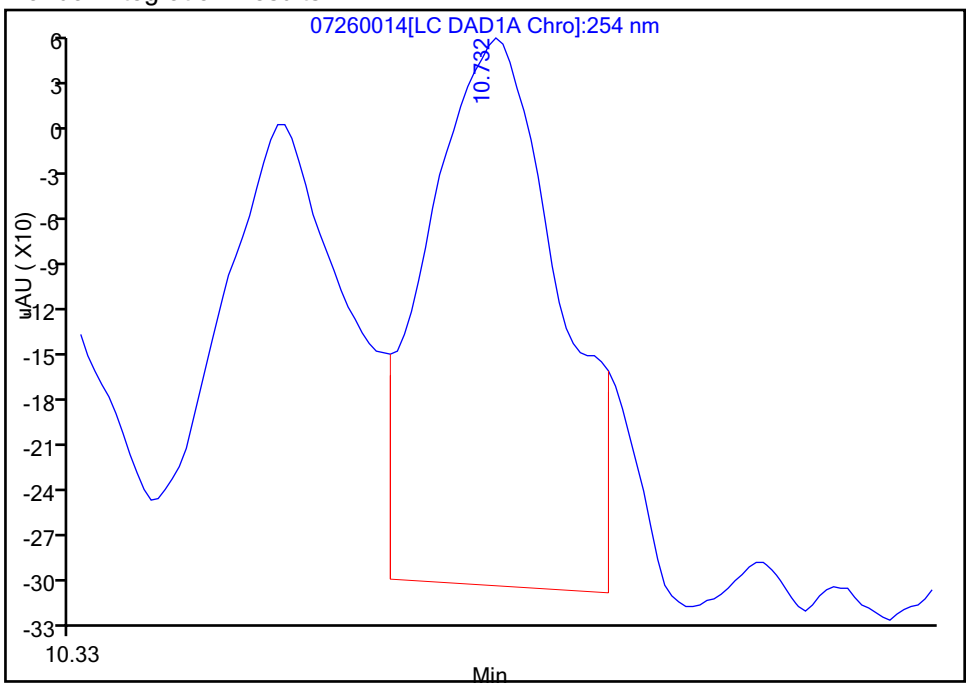
Processing Integration Results

RT: 10.73
Response: 1831
Amount: 0.009825



Manual Integration Results

RT: 10.73
Response: 3077
Amount: 0.008843



Reviewer: kellisonm, 27-Jul-2011 10:34:01
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

Report Date: 27-Jul-2011 10:51:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

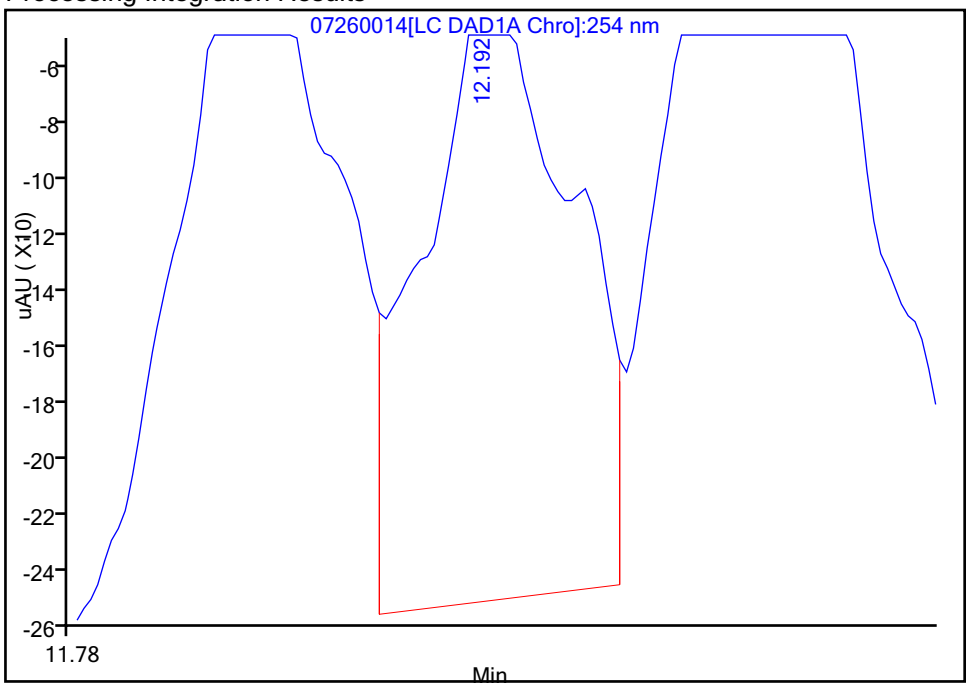
Manual Integration/User Assign Peak Report

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260014.D		
Injection Date:	26-Jul-2011 22:33:36	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	78309	Lims Sample ID:	14
Operator ID:	mpk	Injection Vol:	100.00 ul

17 2,6-Dinitrotoluene, Signal: 1, Type: quant, RT: 12.20, Det: LC DAD1B

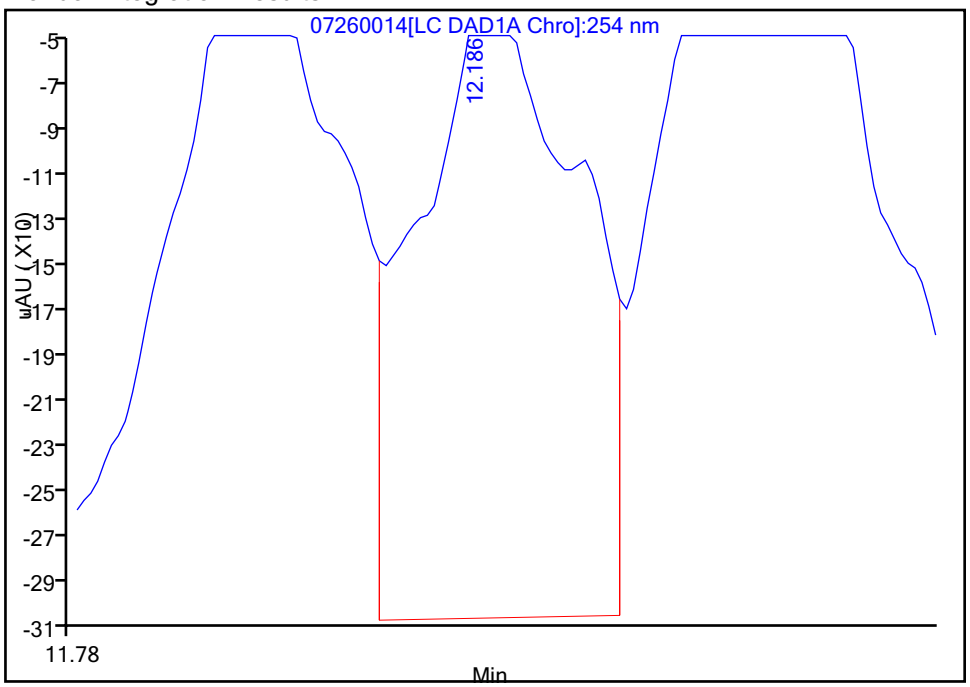
Processing Integration Results

RT: 12.19
Response: 2061
Amount: 0.009387



Manual Integration Results

RT: 12.19
Response: 2789
Amount: 0.010074



Reviewer: kellisonm, 27-Jul-2011 10:34:01
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Lab Sample ID: ICV 280-78309/15 Calibration Date: 07/26/2011 22:59

Instrument ID: CHHPLCX4_C18 Calib Start Date: 07/26/2011 19:29

GC Column: UltraCarb5uODS ID: 4.60(mm) Calib End Date: 07/26/2011 22:33

Lab File ID: 07260015.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-diamino-4-nitrotoluene	Ave	312315	317423		0.407	0.400	1.6	20.0
HMX	Ave	143602	129193		0.360	0.400	-10.0	20.0
2,4-diamino-6-nitrotoluene	Ave	203828	185370		0.364	0.400	-9.1	20.0
MNX	Lin2		201793		358	0.400	-0.9	20.0
RDX	Ave	164227	163453		0.398	0.400	-0.5	20.0
Picric acid	Ave	133183	134168		0.403	0.400	0.7	20.0
1,3,5-Trinitrobenzene	Ave	344835	336385		0.390	0.400	-2.5	20.0
1,3-Dinitrobenzene	Ave	474711	479563		0.404	0.400	1.0	20.0
Tetryl	Ave	242020	267228		0.442	0.400	10.4	20.0
Nitrobenzene	Ave	347969	347795		0.400	0.400	-0.0	20.0
Nitroglycerin	Ave	109376	108228		3.96	4.00	-1.0	20.0
2,4,6-Trinitrotoluene	Ave	317039	320763		0.405	0.400	1.2	20.0
4-Amino-2,6-dinitrotoluene	Ave	238404	253268		0.425	0.400	6.2	20.0
2-Amino-4,6-dinitrotoluene	Ave	314680	313230		0.398	0.400	-0.5	20.0
2,6-Dinitrotoluene	Lin2		229033		0.417	0.400	4.2	20.0
2,4-Dinitrotoluene	Ave	463770	458163		0.395	0.400	-1.2	20.0
2-Nitrotoluene	Lin2		195773		0.390	0.400	-2.5	20.0
4-Nitrotoluene	Lin2		173243		0.391	0.400	-2.3	20.0
PETN	Ave	157050	152631		3.89	4.00	-2.8	20.0
3-Nitrotoluene	Lin2		232003		0.396	0.400	-1.1	20.0
1,2-Dinitrobenzene	Ave	230709	229715		0.398	0.400	-0.4	20.0

FORM VII 8330 Modified

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Lab Sample ID: ICV 280-78309/15 Calibration Date: 07/26/2011 22:59

Instrument ID: CHHPLCX4_C18 Calib Start Date: 07/26/2011 19:29

GC Column: UltraCarb5uODS ID: 4.60(mm) Calib End Date: 07/26/2011 22:33

Lab File ID: 07260015.D

Analyte	RT	RT WINDOW	
		TO	FROM
2,6-diamino-4-nitrotoluene	7.11	7.01	7.21
HMX	7.32	7.21	7.41
2,4-diamino-6-nitrotoluene	7.43	7.32	7.52
MNX	8.13	8.03	8.23
RDX	8.52	8.41	8.61
Picric acid	8.72	8.64	8.84
1,3,5-Trinitrobenzene	9.46	9.35	9.55
1,3-Dinitrobenzene	10.24	10.14	10.34
Tetryl	10.53	10.43	10.63
Nitrobenzene	10.74	10.64	10.84
Nitroglycerin	10.92	10.82	11.02
2,4,6-Trinitrotoluene	11.42	11.32	11.52
4-Amino-2,6-dinitrotoluene	11.60	11.51	11.71
2-Amino-4,6-dinitrotoluene	11.94	11.85	12.05
2,6-Dinitrotoluene	12.20	12.10	12.30
2,4-Dinitrotoluene	12.44	12.35	12.55
2-Nitrotoluene	13.34	13.25	13.45
4-Nitrotoluene	13.80	13.73	13.93
PETN	14.16	14.09	14.29
3-Nitrotoluene	14.36	14.27	14.47
1,2-Dinitrobenzene	9.58	9.48	9.68

Form VII 8330 Modified

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Denchrom\chromdata\X4_C18\20110726-2256.b\07260015.D
Lims ID: ICV 8330 Client ID:
Inject. Date: 26-Jul-2011 22:59:56 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV 8330
Misc. Info.:
Operator: mpk Instrument ID: CHHPLCX4_C18
Vol. Injected: 100.0000 ALS Bottle#: 15
Lims Batch ID: 78309 Lims Sample ID: 15
Sublist:

Method: \\Denchrom\chromdata\X4_C18\20110726-2256.b\8330_X4.m
Last Update: 27-Jul-2011 10:50:59 Calib Date: 27-Jul-2011 02:30:22
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D
Limit Group: GCSV - 8330B
Integrator: Falcon
Process Host: DENPC363

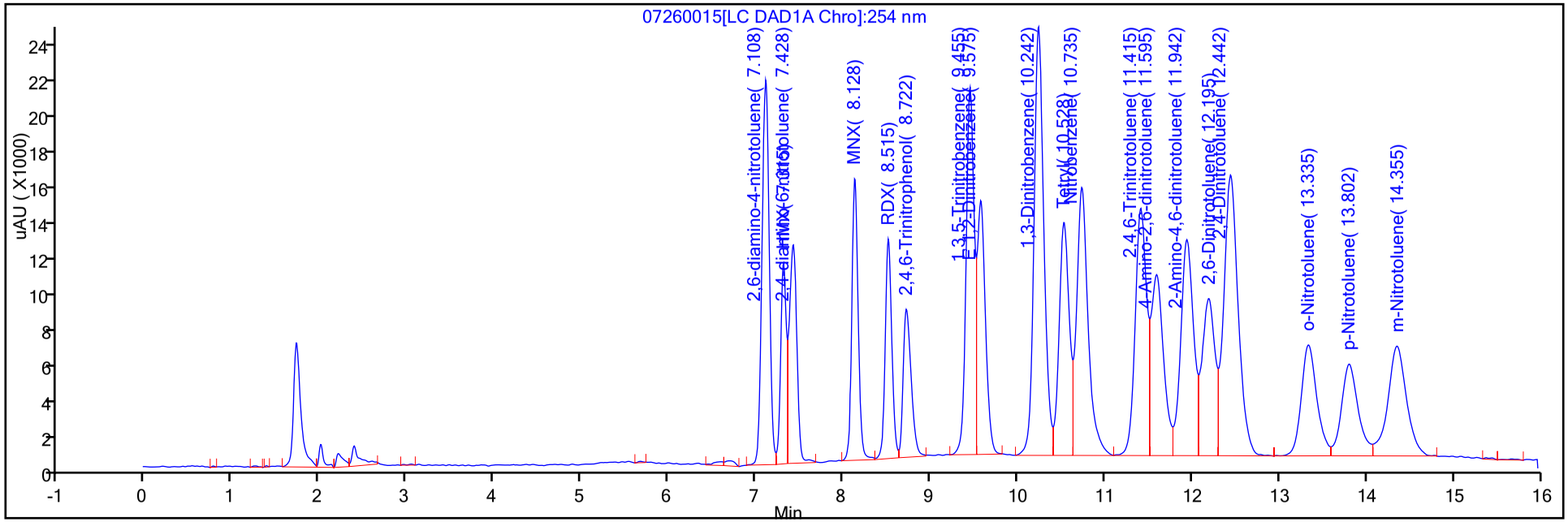
First Level Reviewer: kellisonm Date: 27-Jul-2011 10:51:07

	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	1 2,6-diamino-4-nitrotoluene	1	7.108	7.108	0.0	126969	0.4065	
	2 HMX	1	7.315	7.308	0.007	51677	0.3599	
	3 2,4-diamino-6-nitrotoluene	1	7.428	7.421	0.007	74148	0.3638	
	4 MNX	1	8.128	8.128	0.0	80717	0.3965	
	5 RDX	1	8.515	8.514	0.001	65381	0.3981	
	6 2,4,6-Trinitrophenol	1	8.722	8.741	-0.019	53667	0.4030	
	7 1,3,5-Trinitrobenzene	1	9.455	9.454	0.001	134554	0.3902	
E	8 1,2-Dinitrobenzene	1	9.575	9.581	-0.006	91886	0.3983	
	9 1,3-Dinitrobenzene	1	10.242	10.241	0.001	191825	0.4041	
	10 Tetryl	1	10.528	10.534	-0.006	106891	0.4417	
	12 Nitrobenzene	1	10.735	10.741	-0.006	139118	0.3998	
	13 Nitroglycerin	2	10.915	10.921	-0.006	432910	3.96	
	14 2,4,6-Trinitrotoluene	1	11.415	11.421	-0.006	128305	0.4047	
	15 4-Amino-2,6-dinitrotoluene	1	11.595	11.607	-0.012	101307	0.4249	
	16 2-Amino-4,6-dinitrotoluene	1	11.942	11.954	-0.012	125292	0.3982	
	17 2,6-Dinitrotoluene	1	12.195	12.201	-0.006	91613	0.4168	
	18 2,4-Dinitrotoluene	1	12.442	12.454	-0.012	183265	0.3952	
	19 o-Nitrotoluene	1	13.335	13.354	-0.019	78309	0.3900	
	20 p-Nitrotoluene	1	13.802	13.827	-0.025	69297	0.3910	
	21 PETN	2	14.162	14.187	-0.025	610522	3.89	
	22 m-Nitrotoluene	1	14.355	14.374	-0.019	92801	0.3955	

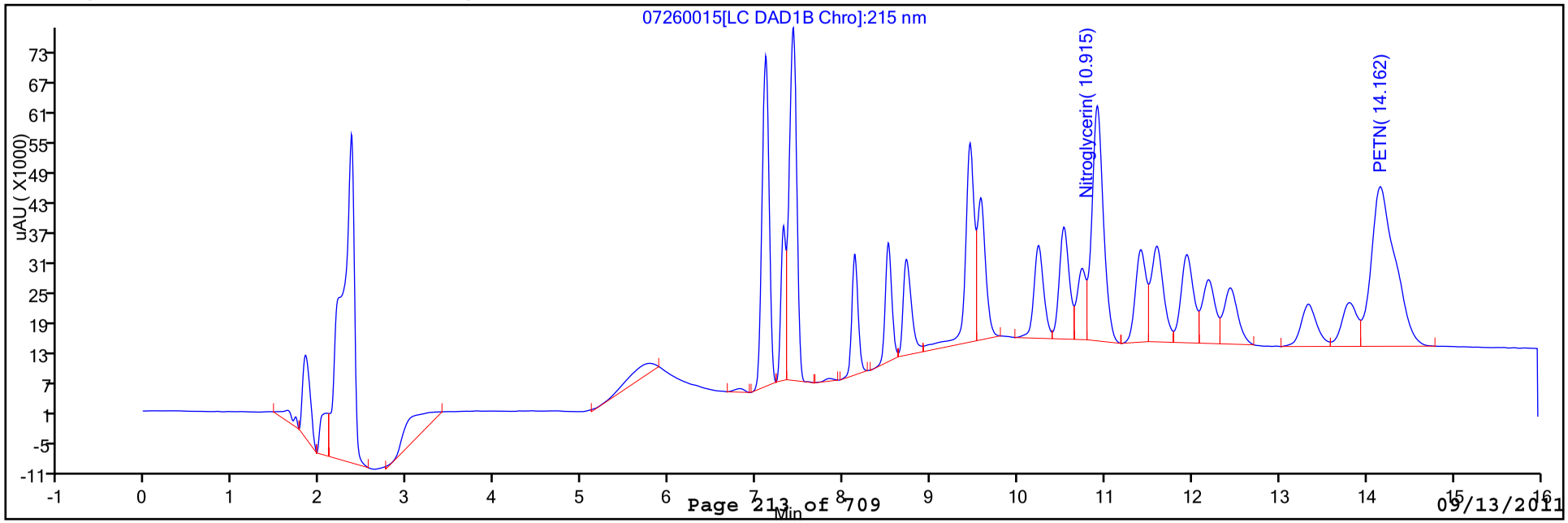
Report Date: 27-Jul-2011 10:51:07 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260015.D		
Injection Date:	26-Jul-2011 22:59:56	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	78309	Lims Sample ID:	15
Operator ID:	mpk	Injection Vol:	100.00 ul

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



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



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Lab Sample ID: CCV 280-82987/15 Calibration Date: 08/25/2011 16:14

Instrument ID: CHHPLCX4_C18 Calib Start Date: 07/26/2011 19:29

GC Column: UltraCarb5uODS ID: 4.60(mm) Calib End Date: 07/26/2011 22:33

Lab File ID: X0825015.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-diamino-4-nitrotoluene	Ave	312315	312608		0.250	0.250	0.0	20.0
HMX	Ave	143602	135892		0.237	0.250	-5.4	20.0
2,4-diamino-6-nitrotoluene	Ave	203828	213036		0.261	0.250	4.5	20.0
MNX	Lin2		198984		358	0.250	-3.1	20.0
RDX	Ave	164227	157428		0.240	0.250	-4.1	20.0
Picric acid	Ave	133183	132088		0.248	0.250	-0.8	20.0
1,3,5-Trinitrobenzene	Ave	344835	334436		0.243	0.250	-3.0	20.0
1,3-Dinitrobenzene	Ave	474711	473180		0.249	0.250	-0.3	20.0
Tetryl	Ave	242020	243692		0.252	0.250	0.7	20.0
Nitrobenzene	Ave	347969	353860		0.254	0.250	1.7	20.0
Nitroglycerin	Ave	109376	113338		2.59	2.50	3.6	20.0
2,4,6-Trinitrotoluene	Ave	317039	303760		0.240	0.250	-4.2	20.0
4-Amino-2,6-dinitrotoluene	Ave	238404	246760		0.259	0.250	3.5	20.0
2-Amino-4,6-dinitrotoluene	Ave	314680	310276		0.247	0.250	-1.4	20.0
2,6-Dinitrotoluene	Lin2		211488		0.239	0.250	-4.2	20.0
2,4-Dinitrotoluene	Ave	463770	470928		0.254	0.250	1.5	20.0
2-Nitrotoluene	Lin2		196256		0.243	0.250	-2.8	20.0
4-Nitrotoluene	Lin2		179472		0.252	0.250	0.6	20.0
PETN	Ave	157050	155593		2.48	2.50	-0.9	20.0
3-Nitrotoluene	Lin2		230260		0.244	0.250	-2.3	20.0
1,2-Dinitrobenzene	Ave	230709	246008		0.267	0.250	6.6	20.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Lab Sample ID: CCV 280-82987/15 Calibration Date: 08/25/2011 16:14

Instrument ID: CHHPLCX4_C18 Calib Start Date: 07/26/2011 19:29

GC Column: UltraCarb5uODS ID: 4.60(mm) Calib End Date: 07/26/2011 22:33

Lab File ID: X0825015.D

Analyte	RT	RT WINDOW	
		TO	FROM
2,6-diamino-4-nitrotoluene	7.10	7.00	7.20
HMX	7.29	7.19	7.39
2,4-diamino-6-nitrotoluene	7.41	7.31	7.51
MNX	8.10	8.00	8.20
RDX	8.49	8.39	8.59
Picric acid	8.65	8.55	8.75
1,3,5-Trinitrobenzene	9.42	9.32	9.52
1,3-Dinitrobenzene	10.20	10.10	10.30
Tetryl	10.49	10.39	10.59
Nitrobenzene	10.70	10.60	10.80
Nitroglycerin	10.87	10.77	10.97
2,4,6-Trinitrotoluene	11.38	11.28	11.48
4-Amino-2,6-dinitrotoluene	11.54	11.44	11.64
2-Amino-4,6-dinitrotoluene	11.88	11.78	11.98
2,6-Dinitrotoluene	12.14	12.04	12.24
2,4-Dinitrotoluene	12.39	12.29	12.49
2-Nitrotoluene	13.30	13.20	13.40
4-Nitrotoluene	13.76	13.66	13.86
PETN	14.10	14.00	14.20
3-Nitrotoluene	14.30	14.20	14.40
1,2-Dinitrobenzene	9.54	9.44	9.64

Form VII 8330 Modified

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110825-2397.b\X0825015.D		
Lims ID:	CCV 8330	Client ID:	
Inject. Date:	25-Aug-2011 16:14:37	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV 8330		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	7
Lims Batch ID:	82987	Lims Sample ID:	15
Sublist:	chrom-8330_X4*sub1		
Method:	\\Denchrom\chromdata\X4_C18\20110825-2397.b\8330_X4.m		
Last Update:	26-Aug-2011 07:41:16	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC379		

	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	1 2,6-diamino-4-nitrotoluene	1	7.098	7.098	0.0	78152	0.2502	
	2 HMX	1	7.291	7.291	0.0	33973	0.2366	
	3 2,4-diamino-6-nitrotoluene	1	7.411	7.411	0.0	53259	0.2613	
	4 MNX	1	8.104	8.104	0.0	49746	0.2423	
	5 RDX	1	8.491	8.491	0.0	39357	0.2396	
	6 2,4,6-Trinitrophenol	1	8.651	8.651	0.0	33022	0.2479	
	7 1,3,5-Trinitrobenzene	1	9.424	9.424	0.0	83609	0.2425	
E	8 1,2-Dinitrobenzene	1	9.544	9.544	0.0	61502	0.2666	
	9 1,3-Dinitrobenzene	1	10.204	10.204	0.0	118295	0.2492	
	10 Tetryl	1	10.491	10.491	0.0	60923	0.2517	
	12 Nitrobenzene	1	10.704	10.704	0.0	88465	0.2542	
	13 Nitroglycerin	2	10.871	10.871	0.0	283346	2.59	
	14 2,4,6-Trinitrotoluene	1	11.377	11.377	0.0	75940	0.2395	
	15 4-Amino-2,6-dinitrotoluene	1	11.537	11.537	0.0	61690	0.2588	
	16 2-Amino-4,6-dinitrotoluene	1	11.877	11.877	0.0	77569	0.2465	
	17 2,6-Dinitrotoluene	1	12.144	12.144	0.0	52872	0.2394	
	18 2,4-Dinitrotoluene	1	12.391	12.391	0.0	117732	0.2539	
	19 o-Nitrotoluene	1	13.297	13.297	0.0	49064	0.2431	
	20 p-Nitrotoluene	1	13.764	13.764	0.0	44868	0.2515	
	21 PETN	2	14.097	14.097	0.0	388982	2.48	
	22 m-Nitrotoluene	1	14.304	14.304	0.0	57565	0.2442	

Report Date: 26-Aug-2011 07:41:16 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Denchrom\chromdata\X4_C18\20110825-2397.b\X0825015.D

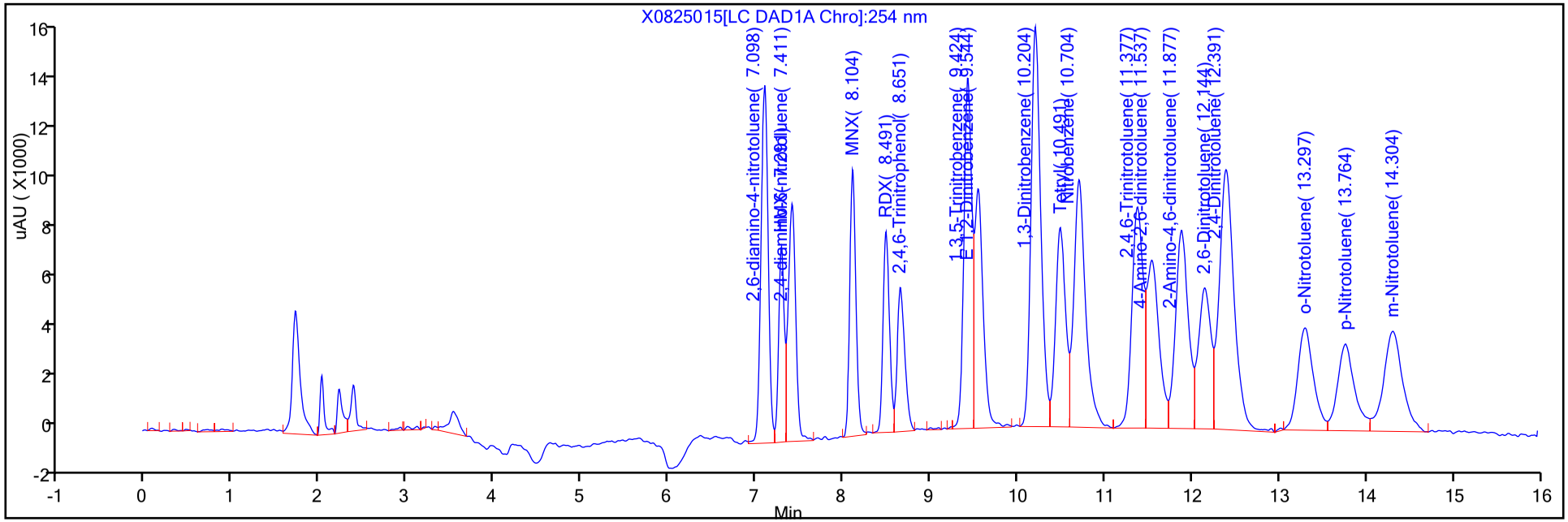
Injection Date: 25-Aug-2011 16:14:37 Limit Group: GCSV - 8330B

Client ID: Instrument ID: CHHPLCX4_C18

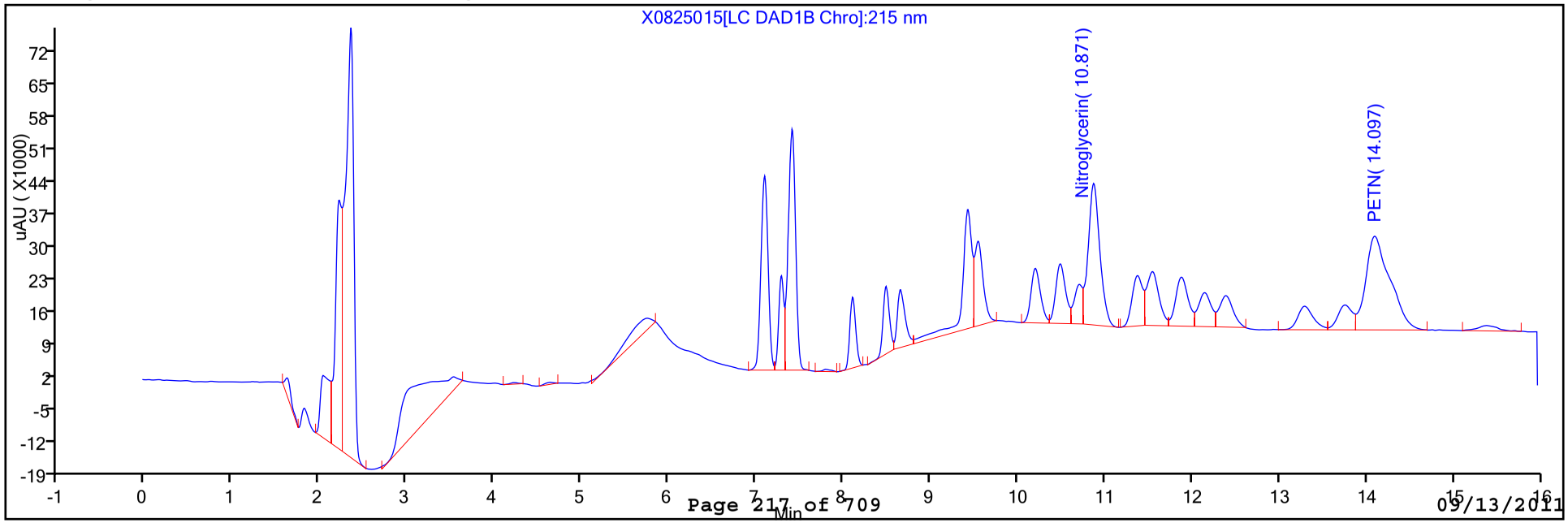
Lims Batch ID: 82987 Lims Sample ID: 15

Operator ID: mpk Injection Vol: 100.00 ul

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



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



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Lab Sample ID: CCV 280-82987/25 Calibration Date: 08/25/2011 20:37

Instrument ID: CHHPLCX4_C18 Calib Start Date: 07/26/2011 19:29

GC Column: UltraCarb5uODS ID: 4.60(mm) Calib End Date: 07/26/2011 22:33

Lab File ID: X0825025.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-diamino-4-nitrotoluene	Ave	312315	312364		0.250	0.250	0.0	20.0
HMX	Ave	143602	133456		0.232	0.250	-7.1	20.0
2,4-diamino-6-nitrotoluene	Ave	203828	214380		0.263	0.250	5.2	20.0
MNX	Lin2		207032		358	0.250	1.0	20.0
RDX	Ave	164227	166004		0.253	0.250	1.1	20.0
Picric acid	Ave	133183	142928		0.268	0.250	7.3	20.0
1,3,5-Trinitrobenzene	Ave	344835	328956		0.239	0.250	-4.6	20.0
1,3-Dinitrobenzene	Ave	474711	474800		0.250	0.250	0.0	20.0
Tetryl	Ave	242020	242828		0.251	0.250	0.3	20.0
Nitrobenzene	Ave	347969	351536		0.253	0.250	1.0	20.0
Nitroglycerin	Ave	109376	113042		2.58	2.50	3.4	20.0
2,4,6-Trinitrotoluene	Ave	317039	304836		0.240	0.250	-3.8	20.0
4-Amino-2,6-dinitrotoluene	Ave	238404	244484		0.256	0.250	2.6	20.0
2-Amino-4,6-dinitrotoluene	Ave	314680	312184		0.248	0.250	-0.8	20.0
2,6-Dinitrotoluene	Lin2		207952		0.235	0.250	-5.9	20.0
2,4-Dinitrotoluene	Ave	463770	464348		0.250	0.250	0.1	20.0
2-Nitrotoluene	Lin2		203316		0.252	0.250	0.8	20.0
4-Nitrotoluene	Lin2		182156		0.255	0.250	2.2	20.0
PETN	Ave	157050	157616		2.51	2.50	0.4	20.0
3-Nitrotoluene	Lin2		255660		0.271	0.250	8.6	20.0
1,2-Dinitrobenzene	Ave	230709	238404		0.258	0.250	3.3	20.0

FORM VII 8330 Modified

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Lab Sample ID: CCV 280-82987/25 Calibration Date: 08/25/2011 20:37

Instrument ID: CHHPLCX4_C18 Calib Start Date: 07/26/2011 19:29

GC Column: UltraCarb5uODS ID: 4.60(mm) Calib End Date: 07/26/2011 22:33

Lab File ID: X0825025.D

Analyte	RT	RT WINDOW	
		TO	FROM
2,6-diamino-4-nitrotoluene	7.09	6.99	7.19
HMX	7.29	7.19	7.39
2,4-diamino-6-nitrotoluene	7.41	7.31	7.51
MNX	8.11	8.01	8.21
RDX	8.49	8.39	8.59
Picric acid	8.66	8.56	8.76
1,3,5-Trinitrobenzene	9.43	9.33	9.53
1,3-Dinitrobenzene	10.20	10.10	10.30
Tetryl	10.48	10.38	10.58
Nitrobenzene	10.70	10.60	10.80
Nitroglycerin	10.87	10.77	10.97
2,4,6-Trinitrotoluene	11.37	11.27	11.47
4-Amino-2,6-dinitrotoluene	11.54	11.44	11.64
2-Amino-4,6-dinitrotoluene	11.88	11.78	11.98
2,6-Dinitrotoluene	12.14	12.04	12.24
2,4-Dinitrotoluene	12.39	12.29	12.49
2-Nitrotoluene	13.28	13.18	13.38
4-Nitrotoluene	13.75	13.65	13.85
PETN	14.08	13.98	14.18
3-Nitrotoluene	14.29	14.19	14.39
1,2-Dinitrobenzene	9.55	9.45	9.65

Form VII 8330 Modified

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110825-2397.b\X0825025.D		
Lims ID:	CCV 8330	Client ID:	
Inject. Date:	25-Aug-2011 20:37:40	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV 8330		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	7
Lims Batch ID:	82987	Lims Sample ID:	25
Sublist:	chrom-8330_X4*sub1		
Method:	\\Denchrom\chromdata\X4_C18\20110825-2397.b\8330_X4.m		
Last Update:	26-Aug-2011 07:41:25	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC379		

	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	1 2,6-diamino-4-nitrotoluene	1	7.093	7.093	0.0	78091	0.2500	
	2 HMX	1	7.286	7.286	0.0	33364	0.2323	
	3 2,4-diamino-6-nitrotoluene	1	7.413	7.413	0.0	53595	0.2629	
	4 MNX	1	8.106	8.106	0.0	51758	0.2524	
	5 RDX	1	8.486	8.486	0.0	41501	0.2527	
	6 2,4,6-Trinitrophenol	1	8.660	8.660	0.0	35732	0.2683	
	7 1,3,5-Trinitrobenzene	1	9.426	9.426	0.0	82239	0.2385	
E	8 1,2-Dinitrobenzene	1	9.546	9.546	0.0	59601	0.2583	
	9 1,3-Dinitrobenzene	1	10.199	10.199	0.0	118700	0.2500	
	10 Tetryl	1	10.479	10.479	0.0	60707	0.2508	
	12 Nitrobenzene	1	10.699	10.699	0.0	87884	0.2526	
	13 Nitroglycerin	2	10.866	10.866	0.0	282604	2.58	
	14 2,4,6-Trinitrotoluene	1	11.366	11.366	0.0	76209	0.2404	
	15 4-Amino-2,6-dinitrotoluene	1	11.539	11.539	0.0	61121	0.2564	
	16 2-Amino-4,6-dinitrotoluene	1	11.879	11.879	0.0	78046	0.2480	
	17 2,6-Dinitrotoluene	1	12.139	12.139	0.0	51988	0.2353	
	18 2,4-Dinitrotoluene	1	12.386	12.386	0.0	116087	0.2503	
	19 o-Nitrotoluene	1	13.279	13.279	0.0	50829	0.2520	
	20 p-Nitrotoluene	1	13.746	13.746	0.0	45539	0.2554	
	21 PETN	2	14.079	14.079	0.0	394040	2.51	
	22 m-Nitrotoluene	1	14.286	14.286	0.0	63915	0.2714	

Report Date: 26-Aug-2011 07:41:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Denchrom\chromdata\X4_C18\20110825-2397.b\X0825025.D

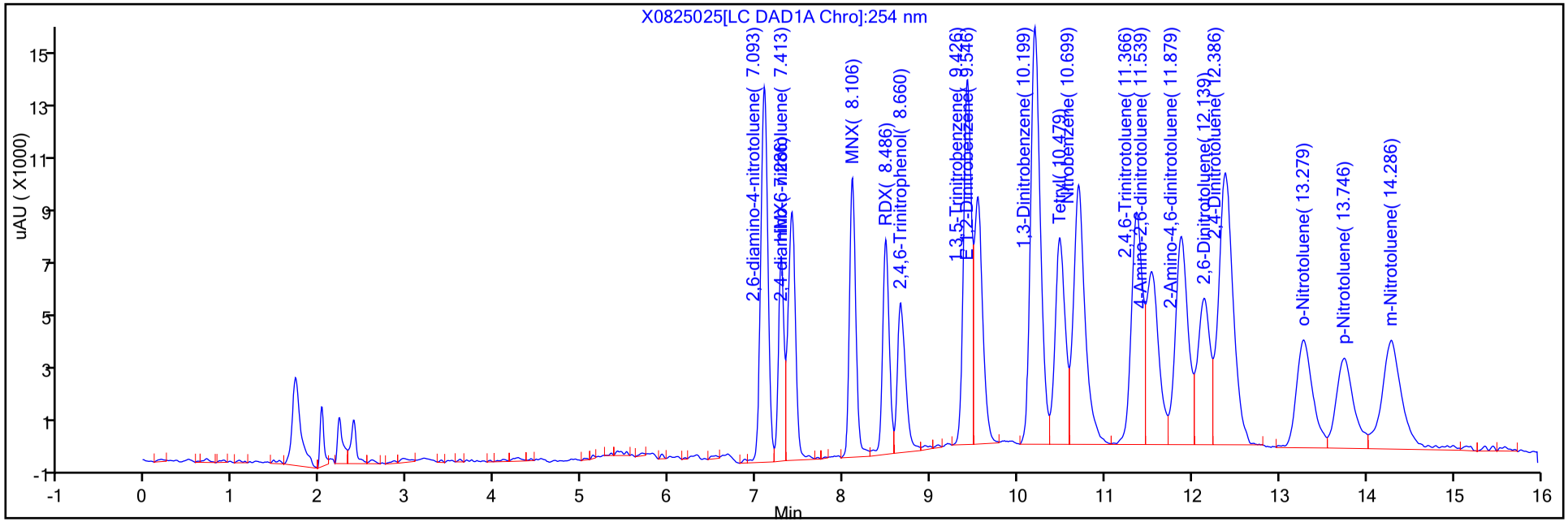
Injection Date: 25-Aug-2011 20:37:40 Limit Group: GCSV - 8330B

Client ID: Instrument ID: CHHPLCX4_C18

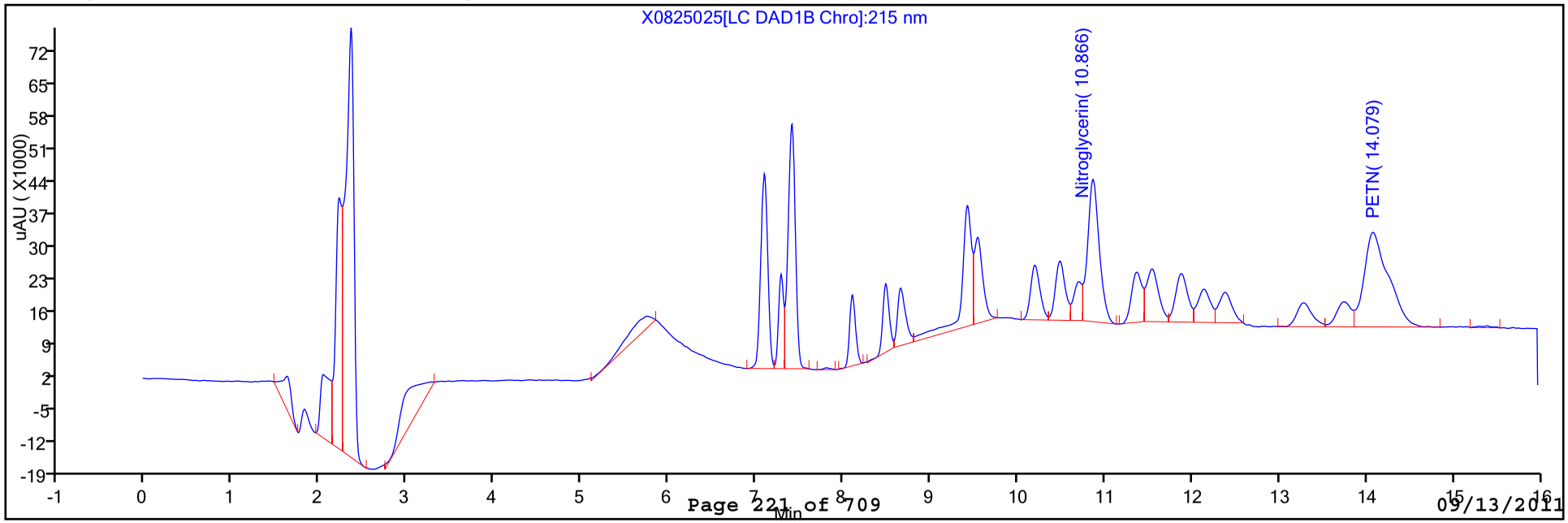
Lims Batch ID: 82987 Lims Sample ID: 25

Operator ID: mpk Injection Vol: 100.00 ul

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



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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19387-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-82724/1-A

Matrix: Solid | Lab File ID: X0825016.D

Analysis Method: 8330 Modified | Date Collected:

Extraction Method: 8330B | Date Extracted: 08/23/2011 20:15

Sample wt/vol: 10.22(g) | Date Analyzed: 08/25/2011 16:40

Con. Extract Vol.: 40000(uL) | Dilution Factor: 1

Injection Volume: 100(uL) | GC Column: UltraCarb5uODS ID: 4.6(mm)

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

Analysis Batch No.: 82987 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.0322	U	0.0978	0.0322
19406-51-0	4-Amino-2,6-dinitrotoluene	0.0293	U	0.0978	0.0293
121-14-2	2,4-Dinitrotoluene	0.0144	U	0.0978	0.0144
606-20-2	2,6-Dinitrotoluene	0.0187	U	0.0978	0.0187
55-63-0	Nitroglycerin	0.210	U	1.96	0.210
88-72-2	2-Nitrotoluene	0.0462	U	0.196	0.0462
99-08-1	3-Nitrotoluene	0.0626	U	0.196	0.0626
98-95-3	Nitrobenzene	0.0832	U	0.294	0.0832
99-99-0	4-Nitrotoluene	0.0357	U	0.196	0.0357
99-35-4	1,3,5-Trinitrobenzene	0.0135	U	0.0978	0.0135
99-65-0	1,3-Dinitrobenzene	0.0162	U	0.0978	0.0162
2691-41-0	HMX	0.0222	U	0.0978	0.0222
121-82-4	RDX	0.0421	U	0.196	0.0421
479-45-8	Tetryl	0.0430	U	0.196	0.0430
78-11-5	PETN	0.482	U	1.96	0.482
118-96-7	2,4,6-Trinitrotoluene	0.0300	U	0.0978	0.0300

CAS NO.	SURROGATE	%REC	Q	LIMITS
528-29-0	1,2-Dinitrobenzene	100		83-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110825-2397.b\X0825016.D		
Lims ID:	MB 280-82724/1-A	Client ID:	
Inject. Date:	25-Aug-2011 16:40:56	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB 280-82724/1-A		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	16
Lims Batch ID:	82987	Lims Sample ID:	16
Method:	\\Denchrom\chromdata\X4_C18\20110825-2397.b\8330_X4.m		
Last Update:	26-Aug-2011 07:41:16	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC379		

Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
E 8 1,2-Dinitrobenzene	1	9.539	9.544	-0.005	57604	0.2497	

Report Date: 26-Aug-2011 07:41:17 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Denchrom\chromdata\X4_C18\20110825-2397.b\X0825016.D

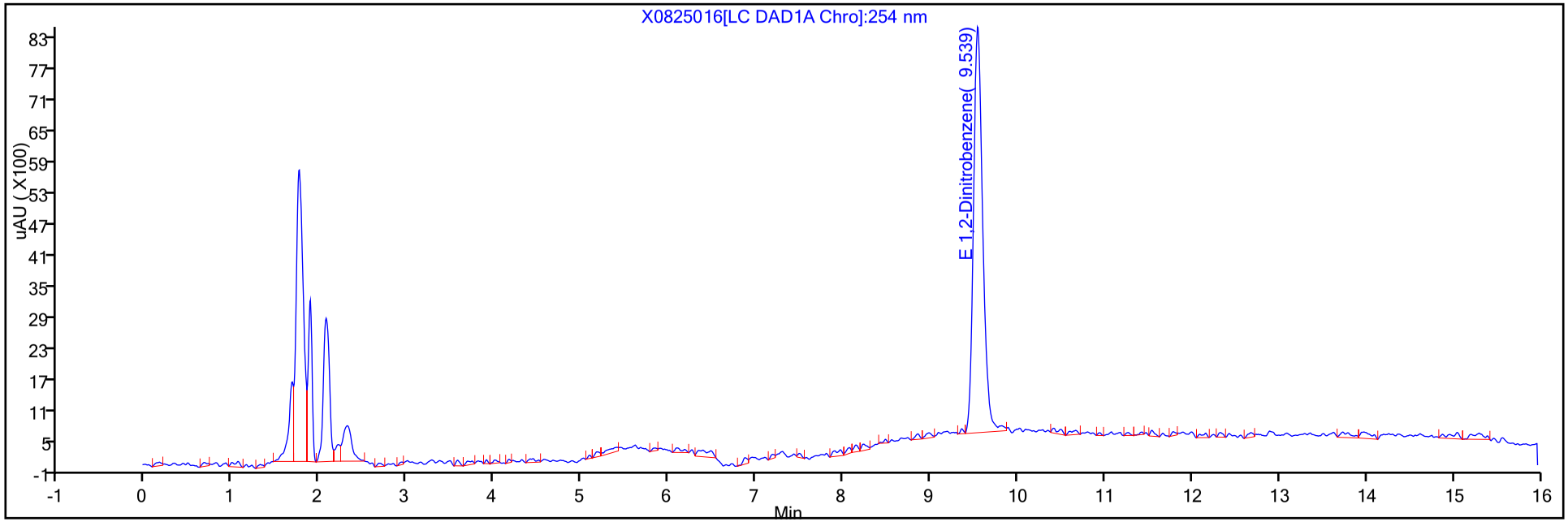
Injection Date: 25-Aug-2011 16:40:56 Limit Group: GCSV - 8330B

Client ID: Instrument ID: CHHPLCX4_C18

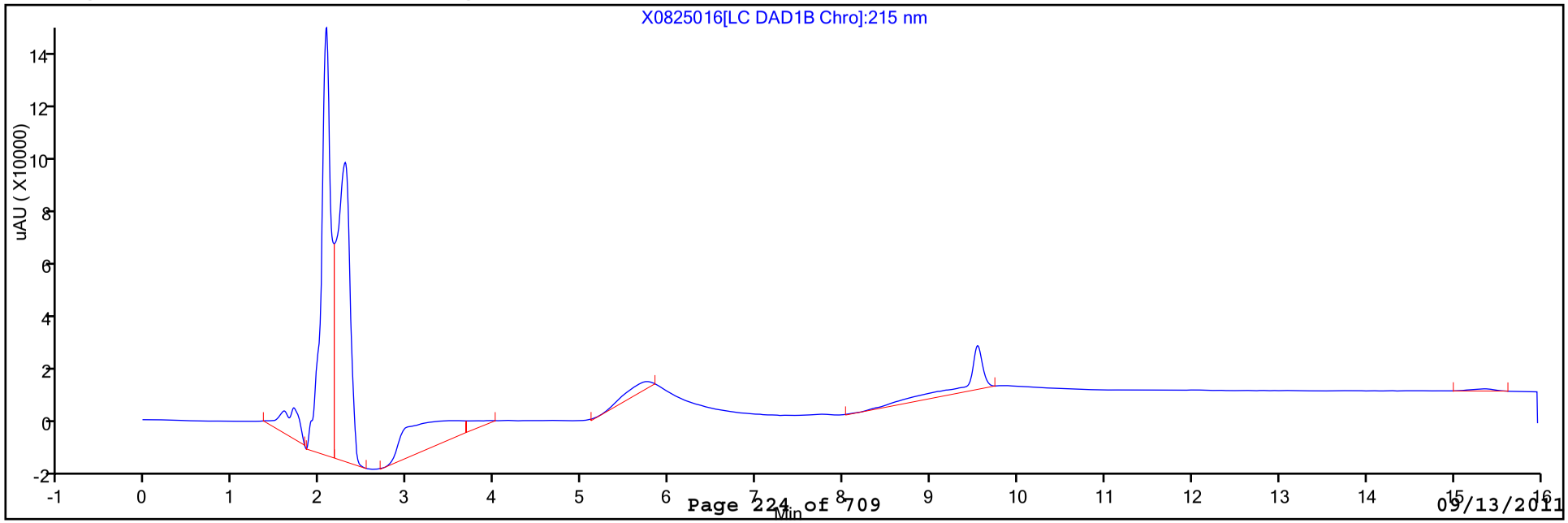
Lims Batch ID: 82987 Lims Sample ID: 16

Operator ID: mpk Injection Vol: 100.00 ul

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



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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19387-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-82724/2-A

Matrix: Solid | Lab File ID: X0825017.D

Analysis Method: 8330 Modified | Date Collected:

Extraction Method: 8330B | Date Extracted: 08/23/2011 20:15

Sample wt/vol: 10.06(g) | Date Analyzed: 08/25/2011 17:07

Con. Extract Vol.: 40000(uL) | Dilution Factor: 1

Injection Volume: 100(uL) | GC Column: UltraCarb5uODS ID: 4.6(mm)

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

Analysis Batch No.: 82987 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
35572-78-2	2-Amino-4,6-dinitrotoluene	1.03		0.0994	0.0327
19406-51-0	4-Amino-2,6-dinitrotoluene	1.04		0.0994	0.0297
121-14-2	2,4-Dinitrotoluene	1.05		0.0994	0.0146
606-20-2	2,6-Dinitrotoluene	0.992		0.0994	0.0190
55-63-0	Nitroglycerin	10.3		1.99	0.214
88-72-2	2-Nitrotoluene	1.05		0.199	0.0469
99-08-1	3-Nitrotoluene	1.05		0.199	0.0636
98-95-3	Nitrobenzene	1.07		0.298	0.0845
99-99-0	4-Nitrotoluene	1.07		0.199	0.0363
99-35-4	1,3,5-Trinitrobenzene	1.05		0.0994	0.0137
99-65-0	1,3-Dinitrobenzene	1.05		0.0994	0.0165
2691-41-0	HMX	0.945		0.0994	0.0226
121-82-4	RDX	1.30		0.199	0.0427
479-45-8	Tetryl	1.11		0.199	0.0436
78-11-5	PETN	10.2		1.99	0.490
118-96-7	2,4,6-Trinitrotoluene	1.06		0.0994	0.0305

CAS NO.	SURROGATE	%REC	Q	LIMITS
528-29-0	1,2-Dinitrobenzene	105		83-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110825-2397.b\X0825017.D		
Lims ID:	LCS 280-82724/2-A	Client ID:	
Inject. Date:	25-Aug-2011 17:07:12	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	LCS 280-82724/2-		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	17
Lims Batch ID:	82987	Lims Sample ID:	17
Method:	\\Denchrom\chromdata\X4_C18\20110825-2397.b\8330_X4.m		
Last Update:	26-Aug-2011 07:41:16	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC379		

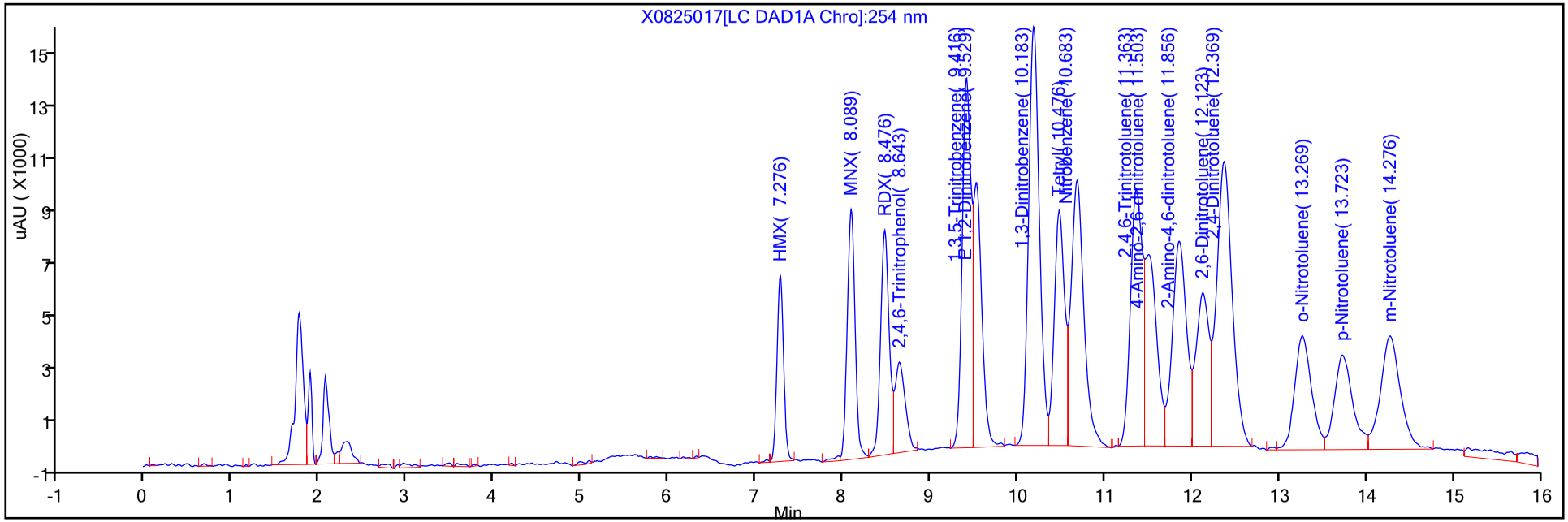
	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	2 HMX	1	7.276	7.291	-0.015	34141	0.2377	
	4 MNX	1	8.089	8.104	-0.015	54137	0.2642	
	5 RDX	1	8.476	8.491	-0.015	53737	0.3272	
	6 2,4,6-Trinitrophenol	1	8.643	8.651	-0.008	25454	0.1911	
	7 1,3,5-Trinitrobenzene	1	9.416	9.424	-0.008	90841	0.2634	
E	8 1,2-Dinitrobenzene	1	9.529	9.544	-0.015	60350	0.2616	
	9 1,3-Dinitrobenzene	1	10.183	10.204	-0.021	125306	0.2640	
	10 Tetryl	1	10.476	10.491	-0.015	67356	0.2783	
	12 Nitrobenzene	1	10.683	10.704	-0.021	93783	0.2695	
	13 Nitroglycerin	2	10.856	10.871	-0.015	284021	2.60	
	14 2,4,6-Trinitrotoluene	1	11.363	11.377	-0.014	84446	0.2664	
	15 4-Amino-2,6-dinitrotoluene	1	11.503	11.537	-0.034	62389	0.2617	
	16 2-Amino-4,6-dinitrotoluene	1	11.856	11.877	-0.021	81336	0.2585	
	17 2,6-Dinitrotoluene	1	12.123	12.144	-0.021	55080	0.2495	
	18 2,4-Dinitrotoluene	1	12.369	12.391	-0.022	122196	0.2635	
	19 o-Nitrotoluene	1	13.269	13.297	-0.028	53309	0.2644	
	20 p-Nitrotoluene	1	13.723	13.764	-0.041	47750	0.2680	
	21 PETN	2	14.083	14.097	-0.014	403755	2.57	
	22 m-Nitrotoluene	1	14.276	14.304	-0.028	62223	0.2642	

Report Date: 26-Aug-2011 07:41:18 Chrom Revision: 1.2 13-Jul-2011 10:43:06

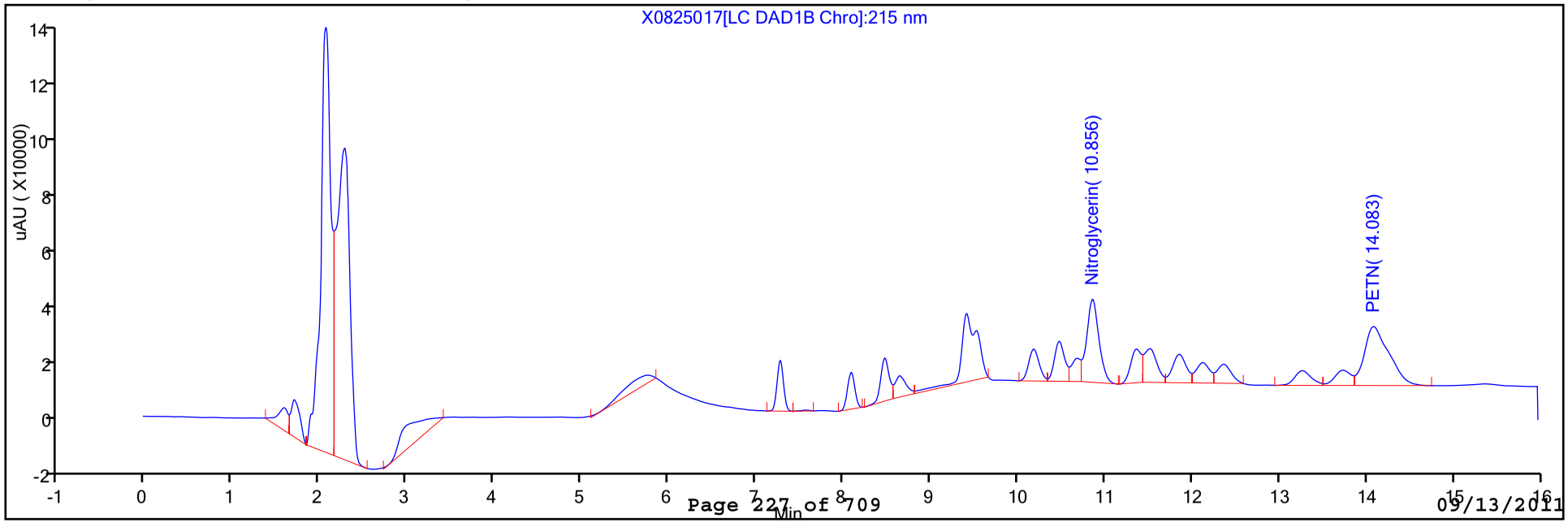
Data File: \\Denchrom\chromdata\X4_C18\20110825-2397.b\X0825017.D

Injection Date:	25-Aug-2011 17:07:12	Limit Group:	GCSV - 8330B
Client ID:		Instrument ID:	CHHPLCX4_C18
Lims Batch ID:	82987	Lims Sample ID:	17
Operator ID:	mpk	Injection Vol:	100.00 ul

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



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



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-19387-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 280-82724/9-A

Matrix: Solid | Lab File ID: X0825024.D

Analysis Method: 8330 Modified | Date Collected:

Extraction Method: 8330B | Date Extracted: 08/23/2011 20:15

Sample wt/vol: 10.32(g) | Date Analyzed: 08/25/2011 20:11

Con. Extract Vol.: 40000(uL) | Dilution Factor: 1

Injection Volume: 100(uL) | GC Column: UltraCarb5uODS ID: 4.6(mm)

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

Analysis Batch No.: 82987 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
35572-78-2	2-Amino-4,6-dinitrotoluene	0.988		0.0969	0.0319
19406-51-0	4-Amino-2,6-dinitrotoluene	0.985		0.0969	0.0290
121-14-2	2,4-Dinitrotoluene	1.01		0.0969	0.0142
606-20-2	2,6-Dinitrotoluene	0.957		0.0969	0.0185
55-63-0	Nitroglycerin	9.69		1.94	0.208
88-72-2	2-Nitrotoluene	1.01		0.194	0.0457
99-08-1	3-Nitrotoluene	1.07		0.194	0.0620
98-95-3	Nitrobenzene	1.03		0.291	0.0824
99-99-0	4-Nitrotoluene	1.03		0.194	0.0354
99-35-4	1,3,5-Trinitrobenzene	0.986		0.0969	0.0134
99-65-0	1,3-Dinitrobenzene	1.01		0.0969	0.0161
2691-41-0	HMX	0.893		0.0969	0.0220
121-82-4	RDX	1.21		0.194	0.0417
479-45-8	Tetryl	1.04		0.194	0.0425
78-11-5	PETN	9.73		1.94	0.478
118-96-7	2,4,6-Trinitrotoluene	1.02		0.0969	0.0297

CAS NO.	SURROGATE	%REC	Q	LIMITS
528-29-0	1,2-Dinitrobenzene	102		83-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Denchrom\chromdata\X4_C18\20110825-2397.b\X0825024.D		
Lims ID:	LCSD 280-82724/9-A	Client ID:	
Inject. Date:	25-Aug-2011 20:11:22	Dil. Factor:	1.0000
Sample Type:	LCSD		
Sample ID:	LCSD 280-82724/9		
Misc. Info.:			
Operator:	mpk	Instrument ID:	CHHPLCX4_C18
Vol. Injected:	100.0000	ALS Bottle#:	24
Lims Batch ID:	82987	Lims Sample ID:	24
Method:	\\Denchrom\chromdata\X4_C18\20110825-2397.b\8330_X4.m		
Last Update:	26-Aug-2011 07:41:16	Calib Date:	27-Jul-2011 02:30:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\chromdata\X4_C18\20110726-2256.b\07260023.D		
Limit Group:	GCSV - 8330B		
Integrator:	Falcon		
Process Host:	DENPC379		

	Compound	Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/mL	Flags
	2 HMX	1	7.275	7.291	-0.016	33081	0.2304	
	4 MNX	1	8.088	8.104	-0.016	52416	0.2556	
	5 RDX	1	8.475	8.491	-0.016	51430	0.3132	
	6 2,4,6-Trinitrophenol	1	8.648	8.651	-0.003	28023	0.2104	
	7 1,3,5-Trinitrobenzene	1	9.415	9.424	-0.009	87733	0.2544	
E	8 1,2-Dinitrobenzene	1	9.528	9.544	-0.016	58751	0.2547	
	9 1,3-Dinitrobenzene	1	10.181	10.204	-0.023	123545	0.2603	
	10 Tetryl	1	10.475	10.491	-0.016	64667	0.2672	
	12 Nitrobenzene	1	10.675	10.704	-0.029	92924	0.2670	
	13 Nitroglycerin	2	10.855	10.871	-0.016	273481	2.50	
	14 2,4,6-Trinitrotoluene	1	11.355	11.377	-0.022	83456	0.2632	
	15 4-Amino-2,6-dinitrotoluene	1	11.501	11.537	-0.036	60595	0.2542	
	16 2-Amino-4,6-dinitrotoluene	1	11.855	11.877	-0.022	80191	0.2548	
	17 2,6-Dinitrotoluene	1	12.121	12.144	-0.023	54534	0.2470	
	18 2,4-Dinitrotoluene	1	12.368	12.391	-0.023	120721	0.2603	
	19 o-Nitrotoluene	1	13.261	13.297	-0.036	52714	0.2614	
	20 p-Nitrotoluene	1	13.728	13.764	-0.036	47460	0.2663	
	21 PETN	2	14.081	14.097	-0.016	394264	2.51	
	22 m-Nitrotoluene	1	14.281	14.304	-0.023	65266	0.2772	

Report Date: 26-Aug-2011 07:41:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Denchrom\chromdata\X4_C18\20110825-2397.b\X0825024.D

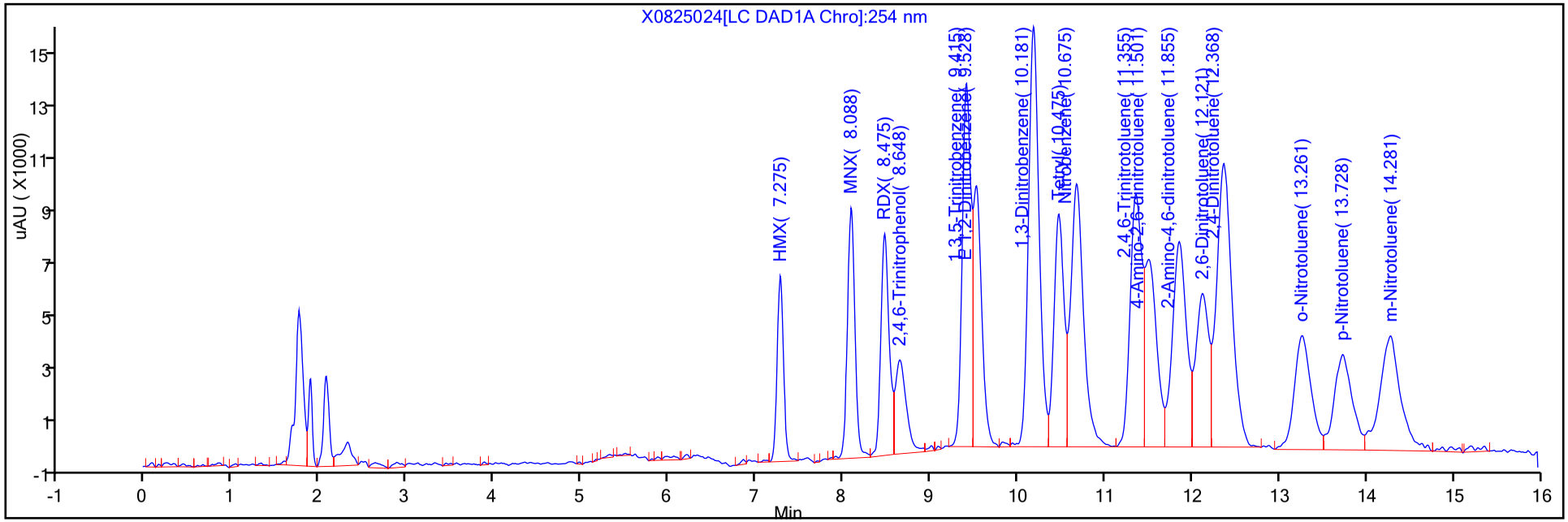
Injection Date: 25-Aug-2011 20:11:22 Limit Group: GCSV - 8330B

Client ID: Instrument ID: CHHPLCX4_C18

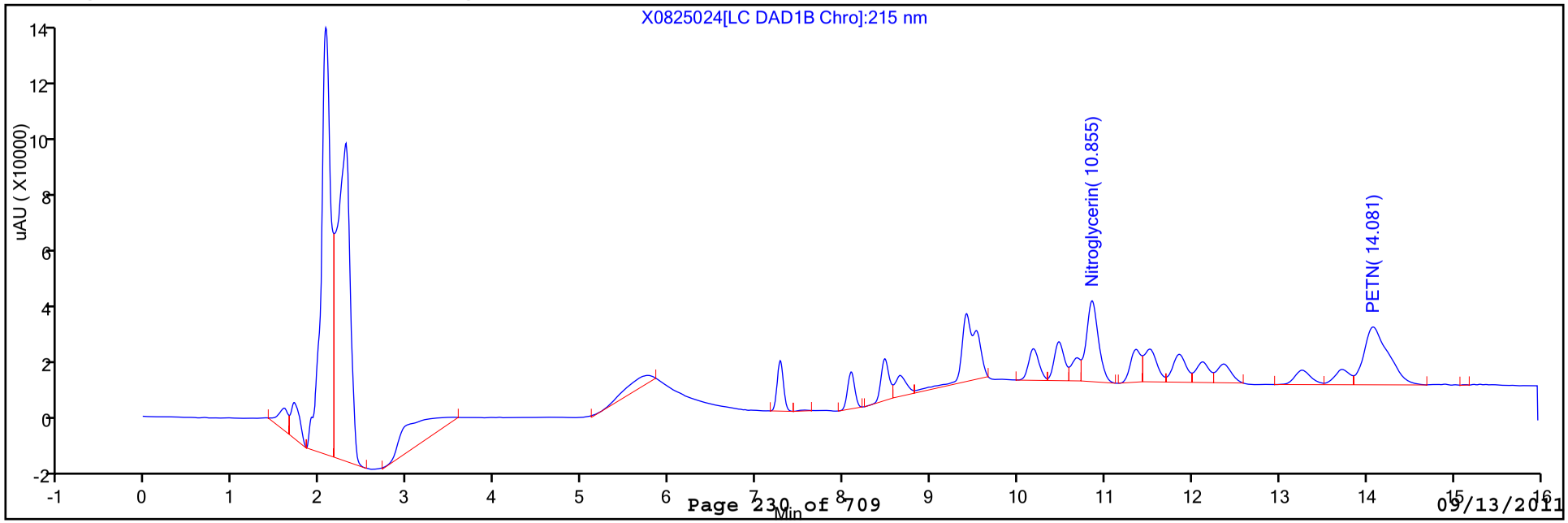
Lims Batch ID: 82987 Lims Sample ID: 24

Operator ID: mpk Injection Vol: 100.00 ul

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



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



HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Instrument ID: CHHPLCX4_C18 Start Date: 07/26/2011 19:29

Analysis Batch Number: 78309 End Date: 07/28/2011 00:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 280-78309/7		07/26/2011 19:29	1	07260007.D	UltraCarb5uODS 4.6(mm)
IC 280-78309/8		07/26/2011 19:55	1	07260008.D	UltraCarb5uODS 4.6(mm)
IC 280-78309/9		07/26/2011 20:22	1	07260009.D	UltraCarb5uODS 4.6(mm)
IC 280-78309/10		07/26/2011 20:48	1	07260010.D	UltraCarb5uODS 4.6(mm)
IC 280-78309/11		07/26/2011 21:14	1	07260011.D	UltraCarb5uODS 4.6(mm)
IC 280-78309/12		07/26/2011 21:41	1	07260012.D	UltraCarb5uODS 4.6(mm)
IC 280-78309/13		07/26/2011 22:07	1	07260013.D	UltraCarb5uODS 4.6(mm)
IC 280-78309/14		07/26/2011 22:33	1	07260014.D	UltraCarb5uODS 4.6(mm)
ICV 280-78309/15		07/26/2011 22:59	1	07260015.D	UltraCarb5uODS 4.6(mm)
IC 280-78309/16		07/26/2011 23:26	1		UltraCarb5uODS 4.6(mm)
IC 280-78309/17		07/26/2011 23:52	1		UltraCarb5uODS 4.6(mm)
IC 280-78309/18		07/27/2011 00:18	1		UltraCarb5uODS 4.6(mm)
IC 280-78309/19		07/27/2011 00:45	1		UltraCarb5uODS 4.6(mm)
IC 280-78309/20		07/27/2011 01:11	1		UltraCarb5uODS 4.6(mm)
IC 280-78309/21		07/27/2011 01:37	1		UltraCarb5uODS 4.6(mm)
IC 280-78309/22		07/27/2011 02:04	1		UltraCarb5uODS 4.6(mm)
IC 280-78309/23		07/27/2011 02:30	1		UltraCarb5uODS 4.6(mm)
ICV 280-78309/24		07/27/2011 02:56	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/27/2011 03:22	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/27/2011 03:49	1		UltraCarb5uODS 4.6(mm)
CCV 280-78309/37		07/27/2011 08:38	1		UltraCarb5uODS 4.6(mm)
CCV 280-78309/38		07/27/2011 09:05	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/27/2011 10:24	2		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/27/2011 10:50	10		UltraCarb5uODS 4.6(mm)
CCV 280-78309/48		07/27/2011 13:28	1		UltraCarb5uODS 4.6(mm)
CCV 280-78309/49		07/27/2011 13:54	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/27/2011 19:36	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/27/2011 20:03	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/27/2011 20:29	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/27/2011 20:55	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/27/2011 21:22	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/27/2011 21:48	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/27/2011 22:14	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/27/2011 22:41	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/27/2011 23:07	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/27/2011 23:34	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/28/2011 00:00	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		07/28/2011 00:26	1		UltraCarb5uODS 4.6(mm)
CCV 280-78309/74		07/28/2011 00:53	1		UltraCarb5uODS 4.6(mm)

8330 Modified

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Instrument ID: CHHPLCX4_C18 Start Date: 08/25/2011 16:14

Analysis Batch Number: 82987 End Date: 08/25/2011 20:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 280-82987/15		08/25/2011 16:14	1	X0825015.D	UltraCarb5uODS 4.6(mm)
MB 280-82724/1-A		08/25/2011 16:40	1	X0825016.D	UltraCarb5uODS 4.6(mm)
LCS 280-82724/2-A		08/25/2011 17:07	1	X0825017.D	UltraCarb5uODS 4.6(mm)
ZZZZZ		08/25/2011 17:33	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		08/25/2011 17:59	1		UltraCarb5uODS 4.6(mm)
280-19387-1	NWO-178-1001	08/25/2011 18:26	1	X0825020.D	UltraCarb5uODS 4.6(mm)
ZZZZZ		08/25/2011 18:52	1		UltraCarb5uODS 4.6(mm)
ZZZZZ		08/25/2011 19:18	1		UltraCarb5uODS 4.6(mm)
280-19387-2	NWO-178-1002	08/25/2011 19:45	1	X0825023.D	UltraCarb5uODS 4.6(mm)
LCSD 280-82724/9-A		08/25/2011 20:11	1	X0825024.D	UltraCarb5uODS 4.6(mm)
CCV 280-82987/25		08/25/2011 20:37	1	X0825025.D	UltraCarb5uODS 4.6(mm)

8330 Modified

HPLC/IC BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Batch Number: 82724 Batch Start Date: 08/23/11 20:15 Batch Analyst: Cokley, Cheyana D

Batch Method: 8330B Batch End Date: 08/24/11 21:03

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8330 LCS 00024	8330Surrogate 00040		
MB 280-82724/1		8330B, 8330 Modified		10.22 g	40000 uL		1 mL		
LCS 280-82724/2		8330B, 8330 Modified		10.06 g	40000 uL	1 mL	1 mL		
280-19387-A-1-A	NWO-178-1001	8330B, 8330 Modified	T	10.11 g	40000 uL		1 mL		
280-19387-B-2-C	NWO-178-1002	8330B, 8330 Modified	T	10.21 g	40000 uL		1 mL		
LCSD 280-82724/9		8330B, 8330 Modified		10.32 g	40000 uL	1 mL	1 mL		

Batch Notes	
Balance ID	24750836
Person's name who did the concentration	Filtered by: Scoles, B.
Filter Lot #	00125754
Filter Type	0.2 um
Minumum Temperature	4c
Pipette ID	C
Pipette ID for Solvent	Exp-1
Prep Solvent Volume Used	20 mL
Person's name who witnessed reagent drop	Reviewer:ScolesB
Blank Sand Lot #	2AB0606
Solvent Lot #	1.9.18
Solvent Name	A.ACN
Sonication Start Time	8.23.11@2026
Sonication Stop Time	8.24.11@ 1432
SOP Number	DV-OP-0018
Maximum Temperature	7c

Basis	Basis Description
T	Total/NA

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Denver Job Number: 280-19387-1

SDG No.:

Project: FUDS MMRP SI - Pocatello BR No. 3

Client Sample ID	Lab Sample ID
NWO-178-1001	280-19387-1
NWO-178-1002	280-19387-2
NWO-178-5002	280-19387-3

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: NWO-178-1001 Lab Sample ID: 280-19387-1

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG ID.:

Matrix: Solid Date Sampled: 08/20/2011 09:57

Reporting Basis: WET Date Received: 08/22/2011 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	23700	93.5	1.45	mg/Kg		J	1	6010B
7440-39-3	Barium	272	0.476	0.0671	mg/Kg			1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: NWO-178-1002 Lab Sample ID: 280-19387-2

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG ID.:

Matrix: Solid Date Sampled: 08/20/2011 09:57

Reporting Basis: WET Date Received: 08/22/2011 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	23900	92.6	1.44	mg/Kg		J	1	6010B
7440-39-3	Barium	293	0.495	0.0698	mg/Kg			1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: NWO-178-5002 Lab Sample ID: 280-19387-3

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG ID.:

Matrix: Solid Date Sampled: 08/17/2011 16:46

Reporting Basis: WET Date Received: 08/22/2011 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	15900	97.1	1.50	mg/Kg		J	1	6010B
7440-39-3	Barium	212	0.495	0.0698	mg/Kg		J	1	6020

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

ICV Source: ICP ICVH_00061 Concentration Units: ug/L

CCV Source: ICP CCVH_00183

Analyte	ICVH 280-83186/6 08/25/2011 12:55				CCVH 280-83186/22 08/25/2011 21:28				CCVH 280-83186/35 08/25/2011 22:04			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	40000		40000	100	49600		50000	99	49600		50000	99
Iron	78200		80000	98	50500		50000	101	50700		50000	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

ICV Source: ICP ICVL_00056 Concentration Units: ug/L

CCV Source: ICP CCVL_00186

Analyte	ICV 280-83186/7 08/25/2011 12:58				CCV 280-83186/23 08/25/2011 21:31				CCV 280-83186/36 08/25/2011 22:06			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	253		250	101	524		500	105	526		500	105
Calcium	1980		2000	99	4970		5000	99	4950		5000	99
Iron	247		250	99	2500		2500	100	2480		2500	99
Magnesium	9800		10000	98	21000		20000	105	20900		20000	104

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

ICV Source: MS ICV_00405 Concentration Units: ug/L

CCV Source: MS CCV_00406

Analyte	ICV 280-83216/4 08/25/2011 20:46				CCV 280-83216/14 08/25/2011 21:15				CCV 280-83216/56 08/25/2011 23:18			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Barium	39.9		40.0	100	50.0		50.0	100	50.2		50.0	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

ICV Source: MS ICV_00405 Concentration Units: ug/L

CCV Source: MS CCV_00406

Analyte	CCV 280-83216/67 08/25/2011 23:50											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Barium	50.0		50.0	100								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Method: 6010B Instrument ID: MT_026

Lab Sample ID: CRI 280-83186/12 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_00442

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	103		103	80-120

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Method: 6020 Instrument ID: MT_024

Lab Sample ID: CRI 280-83216/7 Concentration Units: ug/L

CRQL Check Standard Source: MS RL STD_00415

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Barium	1.00	0.980	J	98	80-120

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

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-83186/11 08/25/2011 13:10		CCB 280-83186/24 08/25/2011 21:33		CCB 280-83186/37 08/25/2011 22:09			
		Found	C	Found	C	Found	C	Found	C
Aluminum	100	18.0	U	18.0	U	18.0	U		
Calcium	200	34.5	U	34.5	U	34.5	U		
Iron	100	22.0	U	22.0	U	22.0	U		
Magnesium	200	10.7	U	10.7	U	10.7	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-83216/6 08/25/2011 20:52		CCB 280-83216/15 08/25/2011 21:18		CCB 280-83216/57 08/25/2011 23:21		CCB 280-83216/68 08/25/2011 23:53	
		Found	C	Found	C	Found	C	Found	C
Barium	1.00	0.290	U	0.290	U	0.290	U	0.290	U

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 280-82828/1-A

Instrument Code: MT_026 Batch No.: 83186

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	1.46	U		6010B

FORM III-IN

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 280-82829/1-A

Instrument Code: MT_024 Batch No.: 83216

CAS No.	Analyte	Concentration	C	Q	Method
7440-39-3	Barium	0.0705	U		6020

FORM III-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Lab Sample ID: ICSA 280-83186/15 Instrument ID: MT_026

Lab File ID: 26A5082511.asc ICS Source: ICP ICSA_00045

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**503610**	**101**
Antimony		*-1.67*	
Arsenic		*-10.5*	
Barium		*0.500*	
Beryllium		*-0.320*	
Bismuth		*-5.42*	
Boron		*-2.39*	
Cadmium		*-0.420*	
Calcium	*500000*	*462930*	*93*
Chromium		*1.57*	
Cobalt		*-0.520*	
Copper		*4.51*	
Iron	*200000*	*186820*	*93*
Lead		*3.22*	
Lithium		*-1.18*	
Magnesium	*500000*	*508000*	*102*
Manganese		*2.13*	
Molybdenum		*-2.46*	
Nickel		*-0.900*	
Phosphorus		*-3.40*	
Potassium		*2.06*	
Selenium		*-11.1*	
Silicon		*1.76*	
Silver		*-0.670*	
Sodium		*97.9*	
Strontium		*2.21*	
Thallium		*3.27*	
Thorium		*2.56*	
Tin		*-0.950*	
Titanium		*-2.80*	
Vanadium		*-0.0500*	
Zinc		*6.30*	
Zirconium		*1.34*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Lab Sample ID: ICSAB 280-83186/16 Instrument ID: MT_026

Lab File ID: 26A5082511.asc ICS Source: ICP ICSAB_00036

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**503530**	**101**
Antimony	*1000*	*989*	*99*
Arsenic	*2000*	*2000*	*100*
Barium	*500*	*492*	*98*
Beryllium	*500*	*477*	*95*
Bismuth	*1000*	*1089*	*109*
Boron	*2000*	*1896*	*95*
Cadmium	*1000*	*1021*	*102*
Calcium	*500000*	*458270*	*92*
Chromium	*500*	*490*	*98*
Cobalt	*500*	*468*	*94*
Copper	*500*	*536*	*107*
Iron	*200000*	*185760*	*93*
Lead	*1000*	*948*	*95*
Lithium	*1000*	*1022*	*102*
Magnesium	*500000*	*499190*	*100*
Manganese	*500*	*506*	*101*
Molybdenum	*1000*	*977*	*98*
Nickel	*1000*	*926*	*93*
Phosphorus	*2000*	*1921*	*96*
Potassium	*50000*	*51660*	*103*
Selenium	*5000*	*4778*	*96*
Silicon	*10000*	*9639*	*96*
Silver	*1000*	*1087*	*109*
Sodium	*50000*	*51255*	*103*
Strontium	*1000*	*987*	*99*
Thallium	*10000*	*8710*	*87*
Thorium	*2000*	*2042*	*102*
Tin	*10000*	*9183*	*92*
Titanium	*1000*	*1000*	*100*
Vanadium	*500*	*508*	*102*
Zinc	*1000*	*985*	*99*
Zirconium	*1000*	*980*	*98*

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Lab Sample ID: ICSA 280-83216/9 Instrument ID: MT_024

Lab File ID: 010ICSA.D ICS Source: MS ICSA_00404

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Barium		**0.177**	
Antimony		*0.312*	
Arsenic		*0.699*	
Beryllium		*0.0000*	
Cadmium		*0.784*	
Chromium		*1.21*	
Cobalt		*0.0672*	
Copper		*0.530*	
Lead		*0.149*	
Manganese		*0.368*	
Molybdenum	*2000*	*2024*	*101*
Nickel		*0.831*	
Selenium		*0.360*	
Silver		*0.0555*	
Thallium		*0.0563*	
Thorium		*0.0318*	
Tin		*0.183*	
Uranium		*0.0041*	
Vanadium		*0.0959*	
Zinc		*2.89*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Lab Sample ID: ICSAB 280-83216/10 Instrument ID: MT_024

Lab File ID: 011ICSB.D ICS Source: MS ICSAB_00406

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Barium	**100**	**103**	**103**
Antimony	*100*	*102*	*102*
Arsenic	*100*	*99.4*	*99*
Beryllium	*100*	*96.9*	*97*
Cadmium	*100*	*94.1*	*94*
Chromium	*100*	*102*	*102*
Cobalt	*100*	*92.7*	*93*
Copper	*100*	*89.1*	*89*
Lead	*100*	*96.5*	*96*
Manganese	*100*	*102*	*102*
Molybdenum	*2100*	*2197*	*105*
Nickel	*100*	*91.9*	*92*
Selenium	*100*	*104*	*104*
Silver	*100*	*84.9*	*85*
Thallium	*100*	*97.3*	*97*
Thorium	*100*	*109*	*109*
Tin	*100*	*101*	*101*
Uranium	*100*	*109*	*109*
Vanadium	*100*	*105*	*105*
Zinc	*100*	*97.5*	*97*

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

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: NWO-178-5002 MS
Lab ID: 280-19387-3 MS
Lab Name: TestAmerica Denver
Job No.: 280-19387-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	20100		15900		192	2177	80-120	4	6010B
Barium	241		212		19.8	149	86-120	4	6020

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: NWO-178-5002 MSD
Lab ID: 280-19387-3 MSD
Lab Name: TestAmerica Denver
Job No.: 280-19387-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	20400		196	2269	80-120	1	20	4	6010B
Barium	222		20.0	49	86-120	9	20	4	6020

SDR = Sample Duplicate Result

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

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: NWO-178-5002 PDS Lab ID: 280-19387-3 PDS

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	15800		15900		97.1	-132	75-125	J	6010B
Barium	314		212		99.0	104	75-125		6020

SSR = Spiked Sample Result

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

FORM VB - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-82828/2-A

Lab Name: TestAmerica Denver Job No.: 280-19387-1

Sample Matrix: Solid LCS Source: ICP SPK 3A_00031

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	194	182		94	80	116		6010B

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-82829/2-A

Lab Name: TestAmerica Denver Job No.: 280-19387-1

Sample Matrix: Solid LCS Source: MS CALSTD-1_00048

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Barium	18.7	18.6		99	86	120		6020

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

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 280-19387-3

SDG No:

Lab Name: TestAmerica Denver Job No: 280-19387-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	15900		19200		21	V	6010B

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

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 280-19387-3

SDG No:

Lab Name: TestAmerica Denver Job No: 280-19387-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Barium	212		210		1.0		6020

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-19387-1

SDG Number:

Matrix: Solid Instrument ID: MT_026

Method: 6010B MDL Date: 03/01/2011 13:25

Prep Method: 3050B

Drying Method: Prep/Air Dry

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Aluminum	167	50	1.55

FORM IX - IN

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-19387-1

SDG Number:

Matrix: Solid Instrument ID: MT_026

Method: 6010B XMDL Date: 03/01/2011 13:26

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		100	18

FORM IX - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-19387-1

SDG Number:

Matrix: Solid Instrument ID: MT_024

Method: 6020 MDL Date: 06/20/2011 12:23

Prep Method: 3050B

Drying Method: Prep/Air Dry

Analyte	Wavelength/ Mass	RL (ug/Kg)	MDL (ug/Kg)
Barium	137	250	70.5

FORM IX - IN

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-19387-1

SDG Number:

Matrix: Solid Instrument ID: MT_024

Method: 6020 XMDL Date: 06/20/2011 12:38

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Barium		1	0.29

FORM IX - IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-19387-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 07/26/2011

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Aluminum	167.079													0.001855	
Aluminum	309.271														
Antimony	206.833		0.000001						-0.000008			0.015485		0.000003	
Arsenic	189.042		-0.000022									0.000181			
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061										-0.002850			-0.000021	
Boron	208.959														
Cadmium	228.802			0.010742							0.000016				
Calcium	317.933														
Chromium	205.552						-0.002780								
Cobalt	228.616					-0.000228									
Copper	324.754														
Iron	259.940														
Iron	271.441										0.109000				
Lead	220.353		-0.000062										0.000046	0.000036	
Lithium	670.784								0.000032						
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Phosphorus	178.284														
Potassium	766.490														
Selenium	196.090								-0.000009					0.000004	
Silicon	288.158											0.000027			
Silver	328.068														
Sodium	589.592														
Sodium	818.326														
Strontium	407.771								0.000010						
Sulfur	182.034														

X-IN

10-IN

ICP-AES INTERELEMENT CORRECTION FACTORS

METALS

Lab Name: TestAmerica Denver Job Number: 280-19387-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 07/26/2011

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Thallium	190.856										0.006725	0.000241			
Thorium	283.730		-0.000012							-0.000171		-0.000233		0.000839	
Tin	189.989														
Titanium	334.904											0.000169			
Uranium	370.152				0.001355							-0.002090		-0.000217	
Vanadium	292.402											-0.007969			
Zinc	206.200											-0.001730			
Zirconium	339.198													-0.000026	

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-19387-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 07/26/2011

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Si	Sn	Sr	Th
Aluminum	309.271		0.003939												
Aluminum	167.079														
Antimony	206.833				-0.007803										
Arsenic	189.042				-0.000564										
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061														-0.004222
Boron	208.959				0.053817										
Cadmium	228.802														
Calcium	317.933														-0.001874
Chromium	205.552				0.000100		0.00046								
Cobalt	228.616				-0.001154		0.000049								
Copper	324.754														0.002944
Iron	259.940														
Iron	271.441														
Lead	220.353		0.000001		-0.001630		0.000200				0.000013	0.000074			
Lithium	670.784		0.000008												
Magnesium	279.079														-0.028160
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Phosphorus	178.284														
Potassium	766.490														
Selenium	196.090			0.000468											-0.000475
Silicon	288.158				-0.005890								0.001650		
Silver	328.068				-0.000308										-0.000491
Sodium	818.326														
Sodium	589.592														
Strontium	407.771														
Sulfur	182.034			0.005840	0.000664										

X-IN

10-IN

ICP-AES INTERELEMENT CORRECTION FACTORS

METALS

Lab Name: TestAmerica Denver Job Number: 280-19387-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 07/26/2011

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Si	Sn	Sr	Th
Thallium	190.856			0.000720	-0.000286										
Thorium	283.730		-0.000002		0.000415		0.000139								
Tin	189.989														
Titanium	334.904		0.000009		0.000999										0.008581
Uranium	370.152				0.001220										-0.004100
Vanadium	292.402			-0.006557											0.001332
Zinc	206.200														
Zirconium	339.198				0.000494							0.000018			0.066165

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-19387-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 07/26/2011

Analyte	Wave Length	Ti	Tl	U	V	Zn	Zr								
Aluminum	167.079														
Aluminum	309.271														
Antimony	206.833			-0.001080			-0.001150								
Arsenic	189.042														
Barium	455.403						0.001353								
Beryllium	313.042	-0.000233													
Bismuth	223.061	-0.003399		-0.000669											
Boron	208.959														
Cadmium	228.802														
Calcium	317.933														
Chromium	205.552			0.000035											
Cobalt	228.616	0.001858													
Copper	324.754	-0.000535					-0.002353								
Iron	259.940														
Iron	271.441				-0.456000		-0.128890								
Lead	220.353	-0.000765		0.000568											
Lithium	670.784														
Magnesium	279.079			-0.010626											
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Phosphorus	178.284														
Potassium	766.490														
Selenium	196.090			-0.001609											
Silicon	288.158														
Silver	328.068			0.001560			0.002740								
Sodium	589.592														
Sodium	818.326														
Strontium	407.771														
Sulfur	182.034														

X-IN

10-IN

ICP-AES INTERELEMENT CORRECTION FACTORS

METALS

Lab Name: TestAmerica Denver Job Number: 280-19387-1

SDG No.:

ICP-AES Instrument ID: MT_026 Date: 07/26/2011

Analyte	Wave Length	Ti	Tl	U	V	Zn	Zr								
Thallium	190.856	-0.000928		-0.000656	-0.002258										
Thorium	283.730			0.022130			0.022520								
Tin	189.989	-0.000896													
Titanium	334.904			-0.000660											
Uranium	370.152	0.006150													
Vanadium	292.402	0.000957		-0.000553											
Zinc	206.200														
Zirconium	339.198														

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Denver Job No: 280-19387-1

SDG No.:

Instrument ID: MT_026 Date: 08/01/2011 16:19

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Aluminum		1000	6010B

FORM XI - IN

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Denver Job No: 280-19387-1

SDG No.:

Instrument ID: MT_024 Date: 07/11/2011 16:13

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Barium		4000	6020

FORM XI - IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 280-82828/1-A	08/25/2011 05:30	82828	1.06		100
LCS 280-82828/2-A	08/25/2011 05:30	82828	1.03		100
280-19387-1	08/25/2011 05:30	82828	1.07		100
280-19387-2	08/25/2011 05:30	82828	1.08		100
280-19387-3	08/25/2011 05:30	82828	1.03		100
280-19387-3 MS	08/25/2011 05:30	82828	1.04		100
280-19387-3 MSD	08/25/2011 05:30	82828	1.02		100

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 280-82829/1-A	08/25/2011 05:30	82829	1.00		100
LCS 280-82829/2-A	08/25/2011 05:30	82829	1.07		100
280-19387-1	08/25/2011 05:30	82829	1.05		100
280-19387-2	08/25/2011 05:30	82829	1.01		100
280-19387-3	08/25/2011 05:30	82829	1.01		100
280-19387-3 MS	08/25/2011 05:30	82829	1.01		100
280-19387-3 MSD	08/25/2011 05:30	82829	1.00		100

FORM XII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Instrument ID: MT_026 Method: 6010B

Start Date: 08/25/2011 12:41 End Date: 08/26/2011 00:17

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al																			
ICIS 280-83186/1	1		12:41	X																			
IC 280-83186/2			12:44	X																			
IC 280-83186/3			12:46	X																			
ZZZZZZ			12:49																				
ZZZZZZ			12:51																				
ICVH 280-83186/6	1		12:55	X																			
ICV 280-83186/7	1		12:58	X																			
ZZZZZZ			13:02																				
CCVH 280-83186/9			13:06																				
CCV 280-83186/10			13:08																				
ICB 280-83186/11	1		13:10	X																			
CRI 280-83186/12	1		13:13	X																			
ZZZZZZ			13:23																				
CRI 280-83186/14			13:27																				
ICSA 280-83186/15	1		13:31	X																			
ICSAB 280-83186/16	1		13:37	X																			
LRA 280-83186/17			13:40																				
CCVH 280-83186/18			13:43																				
CCV 280-83186/19			13:45																				
CCB 280-83186/20			13:48																				
ZZZZZZ			13:50																				
CCVH 280-83186/22	1		21:28	X																			
CCV 280-83186/23	1		21:31	X																			
CCB 280-83186/24	1		21:33	X																			
ZZZZZZ			21:36																				
MB 280-82828/1-A	1	T	21:38	X																			
LCS 280-82828/2-A	1	T	21:41	X																			
280-19387-1	1	T	21:43	X																			
280-19387-2	1	T	21:47	X																			
280-19387-3	1	T	21:50	X																			
280-19387-3 SD	5	T	21:52	X																			
280-19387-3 MS	1	T	21:55	X																			
280-19387-3 MSD	1	T	21:58	X																			
280-19387-3 PDS	1	T	22:01	X																			
CCVH 280-83186/35	1		22:04	X																			
CCV 280-83186/36	1		22:06	X																			
CCB 280-83186/37	1		22:09	X																			
ZZZZZZ			22:15																				
ZZZZZZ			22:19																				
ZZZZZZ			22:21																				
ZZZZZZ			22:24																				
ZZZZZZ			22:26																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Instrument ID: MT_026 Method: 6010B

Start Date: 08/25/2011 12:41 End Date: 08/26/2011 00:17

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al																			
ZZZZZZ			22:29																				
ZZZZZZ			22:31																				
ZZZZZZ			22:34																				
CCVH 280-83186/46			22:36																				
CCV 280-83186/47			22:39																				
CCB 280-83186/48			22:41																				
ZZZZZZ			22:44																				
ZZZZZZ			22:46																				
ZZZZZZ			22:49																				
ZZZZZZ			22:51																				
ZZZZZZ			22:54																				
ZZZZZZ			22:57																				
ZZZZZZ			22:59																				
ZZZZZZ			23:02																				
ZZZZZZ			23:04																				
CCVH 280-83186/58			23:07																				
CCV 280-83186/59			23:10																				
CCB 280-83186/60			23:12																				
ZZZZZZ			23:15																				
ZZZZZZ			23:17																				
ZZZZZZ			23:20																				
ZZZZZZ			23:22																				
ZZZZZZ			23:25																				
ZZZZZZ			23:28																				
ZZZZZZ			23:30																				
ZZZZZZ			23:33																				
ZZZZZZ			23:35																				
CCVH 280-83186/70			23:38																				
CCV 280-83186/71			23:41																				
CCB 280-83186/72			23:43																				
ZZZZZZ			23:46																				
ZZZZZZ			23:48																				
ZZZZZZ			23:51																				
ZZZZZZ			23:53																				
ZZZZZZ			23:56																				
ZZZZZZ			23:59																				
ZZZZZZ			00:01																				
ZZZZZZ			00:04																				
ZZZZZZ			00:07																				
CCVH 280-83186/82			00:09																				
CCV 280-83186/83			00:12																				
CCB 280-83186/84			00:14																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Instrument ID: MT_026 Method: 6010B

Start Date: 08/25/2011 12:41 End Date: 08/26/2011 00:17

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al																			
ZZZZZZ			00:17																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Instrument ID: MT_024 Method: 6020

Start Date: 08/25/2011 20:35 End Date: 08/25/2011 23:53

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ba																			
ITUNE 280-83216/1			20:35																				
IC 280-83216/2	1		20:41	X																			
IC 280-83216/3	1		20:44	X																			
ICV 280-83216/4	1		20:46	X																			
ZZZZZZ			20:49																				
ICB 280-83216/6	1		20:52	X																			
CRI 280-83216/7	1		20:55	X																			
ZZZZZZ			20:58																				
ICSA 280-83216/9	1		21:01	X																			
ICSAB 280-83216/10	1		21:04	X																			
RINSE 280-83216/11			21:07																				
LRA 280-83216/12			21:10																				
RINSE 280-83216/13			21:13																				
CCV 280-83216/14	1		21:15	X																			
CCB 280-83216/15	1		21:18	X																			
ZZZZZZ			21:21																				
ZZZZZZ			21:24																				
ZZZZZZ			21:27																				
ZZZZZZ			21:30																				
ZZZZZZ			21:33																				
ZZZZZZ			21:36																				
ZZZZZZ			21:39																				
ZZZZZZ			21:42																				
ZZZZZZ			21:45																				
ZZZZZZ			21:48																				
CCV 280-83216/26			21:51																				
CCB 280-83216/27			21:54																				
ZZZZZZ			21:56																				
ZZZZZZ			21:59																				
ZZZZZZ			22:02																				
ZZZZZZ			22:05																				
ZZZZZZ			22:08																				
ZZZZZZ			22:11																				
ZZZZZZ			22:14																				
ZZZZZZ			22:17																				
ZZZZZZ			22:20																				
ZZZZZZ			22:23																				
CCV 280-83216/38			22:26																				
CCB 280-83216/39			22:28																				
ZZZZZZ			22:31																				
ZZZZZZ			22:34																				
ZZZZZZ			22:37																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Instrument ID: MT_024 Method: 6020

Start Date: 08/25/2011 20:35 End Date: 08/25/2011 23:53

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ba																			
ZZZZZZ			22:40																				
ZZZZZZ			22:43																				
ZZZZZZ			22:46																				
ZZZZZZ			22:49																				
CCV 280-83216/47			22:52																				
CCB 280-83216/48			22:55																				
ZZZZZZ			22:58																				
ZZZZZZ			23:01																				
ZZZZZZ			23:04																				
ZZZZZZ			23:06																				
ZZZZZZ			23:09																				
ZZZZZZ			23:12																				
ZZZZZZ			23:15																				
CCV 280-83216/56	1		23:18	X																			
CCB 280-83216/57	1		23:21	X																			
MB 280-82829/1-A	1	T	23:24	X																			
LCS 280-82829/2-A	1	T	23:27	X																			
280-19387-1	1	T	23:30	X																			
280-19387-2	1	T	23:33	X																			
280-19387-3	1	T	23:35	X																			
280-19387-3 SD	5	T	23:38	X																			
280-19387-3 PDS	1	T	23:41	X																			
280-19387-3 MS	1	T	23:44	X																			
280-19387-3 MSD	1	T	23:47	X																			
CCV 280-83216/67	1		23:50	X																			
CCB 280-83216/68	1		23:53	X																			

Prep Types

T = Total/NA

14-IN
ICP-MS TUNE
METALS

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

ICP-MS Instrument ID: MT_024 Analysis Date: 08/25/11

Lab ID: ITUNE 280-83216/1

Element - Mass	Avg. Measured Mass (amu)	Avg. Peak Width at Peak Height (amu)	% RSD	Q
Li-7	7.00	0.55	1.23	
Be-9	9.00	0.55	1.70	
Mg-24	24.00	0.60	1.25	
Co-59	59.00	0.55	0.54	
In-115	115.05	0.55	0.73	
Pb-208	208.00	0.45	1.41	
U-238	238.05	0.45	1.48	

FORM XIV - IN

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

ICP-MS Instrument ID: MT_024 Start Date: 08/25/2011 End Date: 08/25/2011

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Ge	Q	Element In	Q	Element Ho-165	Q
IC 280-83216/2	20:41	100		100		100		100		100	
IC 280-83216/3	20:44	98		99		97		98		101	
ICV 280-83216/4	20:46	99		98		98		98		101	
ICB 280-83216/6	20:52	98		100		101		100		100	
CRI 280-83216/7	20:55	99		102		101		100		101	
ICSA 280-83216/9	21:01	95		85		81		78		85	
ICSAB 280-83216/10	21:04	99		84		78		79		85	
CCV 280-83216/14	21:15	97		98		96		98		101	
CCB 280-83216/15	21:18	99		99		98		99		101	
CCV 280-83216/56	23:18	90		100		100		100		100	
CCB 280-83216/57	23:21	92		101		103		102		101	
MB 280-82829/1-A	23:24	94		103		103		102		103	
LCS 280-82829/2-A	23:27	93		103		102		103		103	
280-19387-1	23:30	82		96		92		90		93	
280-19387-2	23:33	82		96		92		89		93	
280-19387-3	23:35	84		96		94		93		95	
280-19387-3 SD	23:38	89		99		99		99		100	
280-19387-3 PDS	23:41	84		97		93		93		95	
280-19387-3 MS	23:44	85		97		94		93		96	
280-19387-3 MSD	23:47	84		97		93		94		96	
CCV 280-83216/67	23:50	90		101		101		102		101	
CCB 280-83216/68	23:53	92		102		103		101		103	

FORM XV - IN

Sample Name: ICIS Acquired: 8/25/2011 12:41:57 Type: Cal
Method: 6500_026(v7) Mode: IR Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00088**	**.00015**	**-.04078**	**-.00026**	**.00109**	**.02535**	**-.00165**	**-.00020**	**.00495**	**-.00043**	**.00008**	**-.00109**
Stddev	.00009	.00004	.00047	.00016	.00014	.00038	.00019	.00035	.00018	.00014	.00025	.00003
%RSD	9.8415	26.165	1.1446	62.042	12.423	1.4910	11.460	172.63	3.6347	31.576	304.78	2.5167
#1	-.00082	.00018	-.04045	-.00015	.00099	.02562	-.00178	-.00045	.00483	-.00033	-.00009	-.00111
#2	-.00094	.00012	-.04111	-.00038	.00118	.02508	-.00151	.00004	.00508	-.00053	.00026	-.00107

Elem	Cu3247	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00560**	**.00043**	**.00087**	**.01604**	**.00645**	**.00012**	**.00009**	**.00052**	**-.03156**	**-.00490**	**.00292**	**.00005**
Stddev	.00014	.00017	.00014	.00153	.00638	.00003	.00007	.00011	.00320	.00232	.00020	.00009
%RSD	2.5874	39.292	16.054	9.5090	98.843	29.427	72.889	21.173	10.126	47.344	6.6936	179.51
#1	.00549	.00055	.00077	.01712	.00194	.00014	.00014	.00044	-.02930	-.00326	.00278	-.00001
#2	.00570	.00031	.00097	.01496	.01096	.00009	.00005	.00059	-.03382	-.00654	.00306	.00012

Elem	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00005**	**-.00155**	**.00049**	**.00070**	**.00101**	**.00001**	**-.00161**	**.00004**	**-.00112**	**-.00085**	**.00023**	**.00088**
Stddev	.00018	.00004	.00010	.00029	.00045	.00008	.00013	.00008	.00016	.00001	.00004	.00001
%RSD	324.68	2.7290	20.894	41.707	44.345	542.94	8.1255	207.56	14.178	1.5957	16.589	1.2339
#1	-.00007	-.00152	.00056	.00091	.00069	-.00004	-.00152	-.00002	-.00101	-.00086	.00025	.00088
#2	.00018	-.00158	.00041	.00049	.00132	.00007	-.00170	.00010	-.00124	-.00084	.00020	.00089

Elem	Zn2062	Zr3391
Units	Cts/S	Cts/S
Avg	**.00001**	**-.00296**
Stddev	.00002	.00092
%RSD	159.80	30.995
#1	.00002	-.00231
#2	.00000	-.00361

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4052.5**	**61952.**	**4545.3**
Stddev	5.7	28.	7.2
%RSD	.14060	.04461	.15835
#1	4056.6	61972.	4540.3
#2	4048.5	61933.	4550.4

Sample Name: IC1 Acquired: 8/25/2011 12:44:35 Type: Cal
Method: 6500_026(v7) Mode: IR Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.27423**	**.08234**	**.13636**	**.37892**	**4.8544**	**8.9004**	**2.2391**	**1.7353**	**1.0592**	**1.2985**	**.44683**	**.74682**	**6.9366**
Stddev	.00092	.00032	.00027	.00048	.0482	.0876	.0214	.0019	.0036	.0038	.00163	.00632	.0547
%RSD	.33553	.38842	.19682	.12602	.99363	.98439	.95409	.10808	.33591	.29161	.36438	.84648	.78873
#1	.27488	.08257	.13655	.37926	4.8203	8.8384	2.2240	1.7366	1.0617	1.3012	.44798	.74235	6.8979
#2	.27358	.08212	.13617	.37858	4.8885	8.9623	2.2543	1.7340	1.0567	1.2958	.44568	.75129	6.9753

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.7200**	**1.1868**	**1.4537**	**.68099**	**1.8034**	**.94459**	**.09524**	**.55781**	**.26761**	**.15537**	**.41365**	**.36374**	**9.3490**
Stddev	.0152	.0013	.0010	.00133	.0095	.00195	.00015	.00004	.00098	.00096	.00380	.00012	.0743
%RSD	.88359	.10569	.07146	.19529	.52827	.20604	.15283	.00701	.36699	.61624	.91949	.03174	.79513
#1	1.7092	1.1877	1.4544	.68193	1.7967	.94597	.09514	.55784	.26831	.15604	.41096	.36382	9.2965
#2	1.7307	1.1859	1.4530	.68004	1.8101	.94321	.09535	.55778	.26692	.15469	.41634	.36366	9.4016

Elem	Ti3349	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.40394**	**.24245**	**.27064**	**.03571**	**.33223**
Stddev	.00023	.00099	.00071	.00008	.00359
%RSD	.05751	.40779	.26247	.21109	1.0802
#1	.40411	.24315	.27114	.03566	.32970
#2	.40378	.24175	.27014	.03577	.33477

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4008.2**	**60122.**	**4581.1**
Stddev	5.7	96.	34.0
%RSD	.14096	.15975	.74159
#1	4004.2	60190.	4605.1
#2	4012.2	60054.	4557.1

Sample Name: IC2 Acquired: 8/25/2011 12:46:57 Type: Cal
Method: 6500_026(v7) Mode: IR Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.7769**	**.24543**	**.73579**	**3.7096**	**.31468**	**.67179**	**.13031**
Stddev	.0037	.00078	.00003	.0015	.00003	.00010	.00004
%RSD	.09918	.31907	.00426	.03955	.00954	.01442	.02978
#1	3.7795	.24488	.73581	3.7107	.31470	.67172	.13034
#2	3.7743	.24599	.73577	3.7086	.31466	.67185	.13029

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3876.3**	**57688.**	**4558.5**
Stddev	6.7	165.	6.2
%RSD	.17241	.28547	.13573
#1	3881.0	57804.	4562.9
#2	3871.6	57571.	4554.1

Sample Name: S1-940565 Acquired: 8/25/2011 12:49:33 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99627**	**1.0094**	**1.9985**	**.96755**	**.99954**	**.99916**	**.00845**	**9.9992**	**.99201**	**.99998**	**1.0025**	**.99720**	**4.9718**
Stddev	.00172	.0115	.0079	.00111	.00326	.00304	.00341	.0350	.00081	.00025	.0008	.00163	.0170
%RSD	.17222	1.1383	.39737	.11456	.32588	.30447	40.329	.34988	.08165	.02540	.07790	.16390	.34219
#1	.99506	1.0013	1.9928	.96677	.99723	.99701	.00604	9.9744	.99144	1.0002	1.0031	.99604	4.9597
#2	.99749	1.0176	2.0041	.96833	1.0018	1.0013	.01086	10.024	.99258	.99980	1.0019	.99835	4.9838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**99.674**	**2.0093**	**39.632**	**.99426**	**1.0080**	**10.152**	**9.9468**	**.99432**	**1.9780**	**1.9895**	**-.00232**	**1.9746**	**1.9776**
Stddev	.269	.0060	.068	.00027	.0001	.018	.1172	.00104	.0047	.0050	.00153	.0042	.0028
%RSD	.26947	.29669	.17153	.02681	.01137	.18159	1.1781	.10445	.23638	.25134	66.021	.21442	.14055
#1	99.484	2.0050	39.584	.99445	1.0081	10.165	9.8640	.99506	1.9813	1.9860	-.00124	1.9776	1.9756
#2	99.864	2.0135	39.680	.99408	1.0080	10.139	10.030	.99359	1.9747	1.9930	-.00340	1.9716	1.9795
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value													
Range													

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7396**	**2.0005**	**1.0018**	**-.00283**	**1.0023**	**2.0022**	**.00955**	**1.0013**	**.98932**	**1.0044**
Stddev	.0809	.0001	.0030	.00036	.0014	.0014	.01303	.0025	.00256	.0011
%RSD	.83060	.00704	.29639	12.825	.13925	.07086	136.42	.25189	.25853	.11026
#1	9.6824	2.0004	.99970	-.00308	1.0014	2.0032	.00034	.99953	.98751	1.0036
#2	9.7968	2.0006	1.0039	-.00257	1.0033	2.0012	.01877	1.0031	.99113	1.0052
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3952.4**	**59316.**	**4511.4**
Stddev	2.8	15.	11.1
%RSD	.07137	.02523	.24626
#1	3954.4	59327.	4519.3
#2	3950.4	59305.	4503.6

Sample Name: S2-940566 Acquired: 8/25/2011 12:51:53 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.04011**	**98.994**	**-.00347**	**.00393**	**.00098**	**-.00018**	**1.9986**	**.04830**	**-.00235**	**.00422**	**.00013**	**-.00405**	**99.899**
Stddev	.00040	.034	.00160	.00054	.00061	.00002	.0158	.00380	.00056	.00045	.00003	.00038	.218
%RSD	.98834	.03479	46.134	13.860	61.723	10.200	.78914	7.8742	23.967	10.752	23.735	9.3937	.21782
#1	-.04039	99.018	-.00234	.00354	.00141	-.00019	2.0098	.04561	-.00275	.00390	.00011	-.00432	99.745
#2	-.03983	98.969	-.00461	.00431	.00055	-.00017	1.9875	.05099	-.00195	.00454	.00015	-.00378	100.05
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25421**	**.00511**	**-.20643**	**.00037**	**.00117**	**501.85**	**.00252**	**.00445**	**-.00086**	**9.9909**	**-.00344**	**.02838**	**.05294**
Stddev	.01242	.00132	.00062	.00000	.00067	.99	.00005	.00086	.00031	.0180	.00235	.00593	.00697
%RSD	4.8854	25.825	.29864	.81685	56.986	.19637	1.8028	19.267	35.598	.17984	68.161	20.902	13.175
#1	.26299	.00605	-.20600	.00037	.00070	502.55	.00249	.00384	-.00064	10.004	-.00510	.03257	.05787
#2	.24543	.00418	-.20687	.00037	.00164	501.15	.00255	.00506	-.00107	9.9782	-.00178	.02418	.04801
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00474**	**.00086**	**9.9995**	**.00192**	**.00317**	**20.182**	**-.01657**	**.00274**	**.02381**
Stddev	.00046	.00006	.1013	.00014	.00027	.264	.00030	.00018	.00811
%RSD	9.6433	6.5435	1.0129	7.0866	8.5836	1.3101	1.8329	6.4667	34.067
#1	.00506	.00082	10.071	.00202	.00298	20.368	-.01635	.00287	.01808
#2	.00442	.00090	9.9278	.00182	.00336	19.995	-.01678	.00262	.02955
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3901.6**	**57324.**	**4579.9**
Stddev	15.8	324.	7.9
%RSD	.40527	.56469	.17168
#1	3890.4	57095.	4574.3
#2	3912.8	57553.	4585.4

Sample Name: ICVH-915850 Acquired: 8/25/2011 12:55:26 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01129**	**39.989**	**-.00469**	**.00079**	**.00002**	**-.00016**	**.51242**	**38.256**	**-.00038**	**.00183**	**.00000**	**-.00044**	**78.159**
Stddev	.00019	.106	.00252	.00011	.00030	.00002	.00404	.076	.00014	.00002	.0002	.00019	.384
%RSD	1.7096	.26487	53.785	14.510	1391.4	9.9574	.78925	.19905	35.664	1.0327	7668.8	42.030	.49075
#1	-.01143	40.064	-.00291	.00087	-.00019	-.00015	.50956	38.310	-.00029	.00182	.00015	-.00058	78.430
#2	-.01115	39.915	-.00647	.00071	.00023	-.00017	.51528	38.203	-.00048	.00185	-.00016	-.00031	77.887
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	Chk Pass	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01937**	**.00104**	**-.07268**	**.00040**	**-.00151**	**40.437**	**.00031**	**.00151**	**.00037**	**3.8658**	**-.00525**	**.00285**	**.02119**
Stddev	.00067	.00266	.00333	.00004	.00016	.365	.00023	.00336	.00076	.0182	.00225	.00110	.00301
%RSD	3.4772	256.76	4.5805	10.754	10.490	.90217	74.664	223.16	203.18	.47193	42.797	38.644	14.203
#1	.01985	-.00085	-.07032	.00043	-.00162	40.179	.00015	.00389	-.00016	3.8529	-.00684	.00207	.01906
#2	.01890	.00292	-.07503	.00037	-.00140	40.695	.00048	-.00087	.00091	3.8787	-.00366	.00363	.02332
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00134**	**.00052**	**2.9108**	**.00065**	**.00358**	**5.0163**	**-.00449**	**2.4343**	**.01372**
Stddev	.00050	.00000	.0152	.00003	.00053	.0356	.00011	.0072	.00379
%RSD	37.721	.18884	.52059	4.7468	14.900	.71023	2.4506	.29518	27.629
#1	.00169	.00052	2.9001	.00063	.00396	4.9911	-.00441	2.4292	.01640
#2	.00098	.00052	2.9215	.00067	.00320	5.0415	-.00456	2.4394	.01104
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4074.1**	**60749.**	**4610.3**
Stddev	1.7	112.	3.2
%RSD	.04118	.18517	.07016
#1	4075.3	60669.	4608.0
#2	4072.9	60828.	4612.6

Sample Name: ICV-939584 Acquired: 8/25/2011 12:58:14 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.24697	.25295	.24099	.23811	.24638	.24351	.00598	1.9764	.25069	.24825	.24535	.25126
Stddev	.00116	.00082	.00283	.00090	.00023	.00068	.00117	.0069	.00009	.00027	.00108	.00039
%RSD	.46863	.32312	1.1726	.37834	.09330	.28073	19.527	.34838	.03552	.10921	.43981	.15480
#1	.24779	.25352	.24299	.23875	.24654	.24303	.00681	1.9715	.25075	.24844	.24612	.25154
#2	.24616	.25237	.23899	.23747	.24622	.24399	.00516	1.9812	.25063	.24806	.24459	.25099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.24677	19.280	.24835	9.7979	.25107	.24310	2.0286	.24802	F 1.8758	.25223	.00194	.24319
Stddev	.00354	.017	.00070	.0147	.00052	.00085	.0133	.00051	.0046	.00084	.00654	.00157
%RSD	1.4354	.08583	.28353	.14955	.20587	.34929	.65498	.20405	.24288	.33485	337.00	.64665
#1	.24928	19.268	.24885	9.8082	.25144	.24370	2.0380	.24838	1.8726	.25164	.00657	.24430
#2	.24427	19.291	.24785	9.7875	.25071	.24250	2.0192	.24766	1.8791	.25283	-.00268	.24208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass
Value									2.0000			
Range									-5.0000%			

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.47850	1.9261	.48781	.24947	.00115	.24369	.50985	-.01927	.24442	.24430	.24669
Stddev	.00225	.0094	.00069	.00030	.00233	.00089	.00182	.01902	.00041	.00142	.00227
%RSD	.46923	.48639	.14171	.11976	202.94	.36695	.35794	98.743	.16583	.58066	.91851
#1	.47691	1.9194	.48732	.24926	.00279	.24432	.51114	-.03272	.24414	.24530	.24509
#2	.48009	1.9327	.48830	.24968	-.00050	.24305	.50856	-.00581	.24471	.24330	.24830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	4083.7	61550.	4598.4
Stddev	3.2	40.	13.2
%RSD	.07715	.06443	.28727
#1	4086.0	61521.	4589.1
#2	4081.5	61578.	4607.8

Sample Name: ICVL942742 Acquired: 8/25/2011 13:02:19 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00970**	**.10451**	**.01310**	**.09748**	**.01002**	**.00100**	F **.13301**	**.19968**	**.00536**	**.01013**	**.01023**
Stddev	.00006	.00380	.00165	.00129	.00037	.00001	.00102	.00450	.00008	.00008	.00006
%RSD	.65940	3.6357	12.627	1.3242	3.7228	.50134	.76860	2.2514	1.4731	.80535	.59632
#1	.00966	.10719	.01193	.09840	.01029	.00100	.13229	.20286	.00541	.01008	.01018
#2	.00975	.10182	.01427	.09657	.00976	.00101	.13373	.19650	.00530	.01019	.01027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01570**	**.09604**	**2.8763**	F **.01308**	**.20684**	**.01029**	**.01947**	**1.0538**	**.04128**	**2.8448**	**.00837**
Stddev	.00019	.00525	.0289	.00549	.00090	.00005	.00012	.0005	.00002	.0295	.00114
%RSD	1.2005	5.4709	1.0037	41.927	.43701	.46796	.59159	.04884	.04450	1.0360	13.622
#1	.01557	.09232	2.8559	.00921	.20620	.01033	.01939	1.0534	.04129	2.8656	.00756
#2	.01584	.09975	2.8967	.01696	.20748	.01026	.01955	1.0542	.04127	2.8240	.00917
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00333**	**.00969**	**.01557**	**.48159**	**.09968**	**.01011**	**.01316**	**.01006**	W **.01825**	F **.03793**	**.00981**
Stddev	.00564	.00122	.00082	.00895	.00117	.00019	.00056	.00030	.00110	.01030	.00026
%RSD	169.59	12.580	5.2961	1.8591	1.1703	1.8527	4.2526	3.0183	6.0412	27.155	2.6627
#1	-.00066	.00883	.01499	.47526	.10050	.00998	.01277	.01027	.01747	.04521	.01000
#2	.00732	.01055	.01615	.48792	.09885	.01024	.01356	.00985	.01903	.03065	.00963
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass
Value									.01500	.06000	
Range									20.000%	-30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02124**	W **.01929**
Stddev	.00007	.00095
%RSD	.32197	4.9448
#1	.02119	.01862
#2	.02128	.01997
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4152.5**	**62766.**	**4661.7**
Stddev	22.7	30.	34.6
%RSD	.54662	.04807	.74117
#1	4136.4	62787.	4637.3
#2	4168.5	62745.	4686.1

Sample Name: CCVH-940568 Acquired: 8/25/2011 13:06:00 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02042**	**49.471**	**-.00643**	**.00077**	**.00040**	**-.00017**	**1.0054**	**.02642**	**-.00108**	**.00195**	**.00009**	**-.00202**	**49.650**
Stddev	.00023	.048	.00446	.00062	.00008	.00003	.0073	.00462	.00020	.00015	.00013	.00030	.013
%RSD	1.1077	.09752	69.357	80.677	20.425	17.094	.72316	17.473	18.431	7.4358	142.32	15.100	.02701
#1	-.02026	49.505	-.00328	.00121	.00034	-.00019	1.0003	.02968	-.00122	.00205	.00000	-.00223	49.660
#2	-.02058	49.437	-.00958	.00033	.00046	-.00015	1.0106	.02315	-.00094	.00185	.00018	-.00180	49.641
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08898**	**.00383**	**-.10015**	**.00073**	**-.00246**	**249.37**	**.00099**	**-.00126**	**-.00062**	**4.9182**	**-.00874**	**.00782**	**.01771**
Stddev	.04240	.00427	.00331	.00003	.00001	.35	.00037	.00047	.00071	.0098	.00080	.00180	.00191
%RSD	47.647	111.44	3.3038	4.4556	.45350	.13835	37.337	37.377	115.32	.19896	9.1246	23.001	10.788
#1	.05900	.00081	-.10249	.00070	-.00245	249.62	.00125	-.00093	-.00112	4.9113	-.00817	.00655	.01906
#2	.11896	.00684	-.09781	.00075	-.00247	249.13	.00073	-.00159	-.00011	4.9251	-.00930	.00909	.01636
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00157**	**.00053**	**4.8895**	**.00118**	**.00543**	**10.181**	**-.00814**	**.00392**	**.01862**
Stddev	.00076	.00000	.0039	.00036	.00017	.020	.00004	.00018	.00125
%RSD	48.458	.08929	.07951	30.070	3.1495	.19746	.44171	4.5588	6.7143
#1	.00211	.00053	4.8923	.00093	.00530	10.167	-.00811	.00405	.01951
#2	.00103	.00053	4.8868	.00143	.00555	10.195	-.00817	.00380	.01774
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3956.6**	**58914.**	**4586.7**
Stddev	2.7	183.	14.1
%RSD	.06950	.31065	.30777
#1	3958.5	59044.	4596.7
#2	3954.6	58785.	4576.7

Sample Name: CCV-940591 Acquired: 8/25/2011 13:08:34 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50705**	**.51589**	**.99668**	**.49800**	**.49919**	**.49682**	**.00238**	**4.9506**	**.50446**	**.50198**	**.49935**	**.50556**	**2.4741**
Stddev	.00293	.00180	.00103	.00270	.00199	.00145	.00182	.0136	.00059	.00055	.00097	.00064	.0019
%RSD	.57742	.34961	.10309	.54187	.39783	.29176	76.608	.27518	.11744	.11054	.19441	.12634	.07720
#1	.50498	.51462	.99741	.49609	.49779	.49579	.00109	4.9410	.50405	.50237	.49866	.50511	2.4727
#2	.50912	.51717	.99596	.49991	.50060	.49784	.00367	4.9603	.50488	.50159	.50003	.50601	2.4754
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.302**	**1.0009**	**20.038**	**.49843**	**.49719**	**5.0947**	**.50061**	**.98336**	**1.0094**	**.00080**	**.98891**	**.99371**	**4.8705**
Stddev	.140	.0052	.031	.00018	.00023	.0196	.00075	.00575	.0012	.00300	.00049	.00097	.0072
%RSD	.28364	.52137	.15488	.03527	.04555	.38456	.14963	.58491	.11791	374.15	.04925	.09736	.14721
#1	49.203	.99716	20.016	.49831	.49735	5.0808	.50008	.97929	1.0103	.00292	.98857	.99303	4.8654
#2	49.401	1.0045	20.060	.49856	.49703	5.1085	.50114	.98742	1.0086	-.00132	.98926	.99440	4.8755
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99445**	**.49910**	**-.00117**	**.49386**	**1.0159**	**.00168**	**.50150**	**.49739**	**.49885**
Stddev	.00077	.00112	.00166	.00143	.0014	.00713	.00157	.00012	.00189
%RSD	.07764	.22468	142.16	.28954	.13510	423.40	.31320	.02370	.37976
#1	.99390	.49831	.00001	.49285	1.0149	.00672	.50039	.49730	.50019
#2	.99499	.49989	-.00234	.49487	1.0169	-.00336	.50261	.49747	.49751
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4040.0**	**60690.**	**4612.3**
Stddev	8.9	110.	16.8
%RSD	.22126	.18197	.36405
#1	4046.3	60768.	4624.2
#2	4033.7	60612.	4600.4

Sample Name: ICB Acquired: 8/25/2011 13:10:55 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.00020**	**.00200**	**.00103**	**-.00005**	**.00002**	**.00121**	**.00764**	**.00027**	**.00015**	**.00018**	**.00006**
Stddev	.00012	.00068	.00156	.00032	.00045	.00000	.00236	.00006	.00025	.00028	.00007	.00006
%RSD	34.212	335.15	78.252	30.943	851.30	12.006	195.15	.76808	91.579	190.49	40.742	103.99
#1	-.00026	.00068	.00089	.00081	-.00037	.00002	-.00046	.00768	.00010	-.00005	.00013	.00010
#2	-.00043	-.00028	.00310	.00126	.00026	.00002	.00288	.00759	.00045	.00034	.00024	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00113**	**.05390**	**.00256**	**-.00302**	**-.00003**	**.00286**	**.02168**	**.00012**	**-.00131**	**-.00140**	**.00320**	F **.00985**
Stddev	.00105	.01456	.00262	.00081	.00002	.00069	.00851	.00047	.00322	.00017	.00467	.00119
%RSD	93.131	27.011	102.15	26.905	69.669	24.317	39.253	388.16	246.89	12.438	145.98	12.098
#1	-.00038	.06419	.00442	-.00245	-.00001	.00236	.01566	-.00021	-.00359	-.00153	-.00010	.00901
#2	-.00187	.04360	.00071	-.00360	-.00004	.00335	.02770	.00045	.00097	-.00128	.00650	.01070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail
High Limit												.00628
Low Limit												-.00628

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00410**	**.02153**	**.00044**	**.00009**	**-.00150**	**.00006**	**.00133**	**.00049**	**-.00010**	**.00132**	**.00166**
Stddev	.00069	.00055	.00025	.00004	.00020	.00041	.00016	.00480	.00002	.00004	.00025
%RSD	16.844	2.5407	55.153	42.101	13.279	643.21	12.241	971.47	23.197	3.1109	15.223
#1	.00361	.02192	.00027	.00012	-.00136	-.00023	.00144	-.00290	-.00012	.00129	.00148
#2	.00458	.02114	.00062	.00007	-.00164	.00036	.00121	.00389	-.00008	.00135	.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4069.3**	**61873.**	**4578.9**
Stddev	2.8	173.	28.1
%RSD	.06988	.27890	.61438
#1	4071.3	61751.	4598.7
#2	4067.3	61995.	4559.0

Sample Name: CRI-942740 Acquired: 8/25/2011 13:13:30 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00949**	**.10325**	**.00931**	**.09696**	**.00517**	**.00093**	F **.16508**	**.19533**	**.00502**	**.00499**	**.00980**
Stddev	.00049	.00025	.00108	.00023	.00036	.00010	.00185	.00436	.00008	.00015	.00009
%RSD	5.1649	.24397	11.655	.23403	6.9209	10.698	1.1234	2.2336	1.5084	2.9184	.89597
#1	.00914	.10307	.00854	.09712	.00492	.00100	.16377	.19224	.00497	.00509	.00986
#2	.00983	.10342	.01007	.09680	.00542	.00086	.16639	.19841	.00507	.00489	.00974
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							50.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01039**	**.02606**	**.94606**	W **.01276**	**.20267**	**.00305**	**.00979**	**.98244**	**.00962**	**.93067**	W **.00228**
Stddev	.00047	.00103	.07249	.00027	.00103	.00001	.00025	.00000	.00018	.00519	.00038
%RSD	4.5455	3.9561	7.6620	2.0815	.50932	.39077	2.5384	.00002	1.8922	.55747	16.610
#1	.01072	.02679	.89481	.01295	.20340	.00306	.00996	.98244	.00949	.92701	.00255
#2	.01005	.02533	.99732	.01257	.20194	.00304	.00961	.98244	.00975	.93434	.00202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
Value				.01000							.00300
Range				20.000%							-20.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09870**	**.01180**	**.00851**	**.45634**	**.01922**	**.00514**	W **.00738**	**.00979**	**.01174**	W **.07671**	**.00989**
Stddev	.00390	.00054	.00123	.01947	.00020	.00009	.00092	.00015	.00041	.00801	.00024
%RSD	3.9550	4.5451	14.494	4.2658	1.0657	1.6886	12.415	1.5004	3.4660	10.436	2.3930
#1	.10146	.01143	.00939	.44257	.01937	.00520	.00673	.00968	.01202	.07105	.01006
#2	.09594	.01218	.00764	.47010	.01908	.00508	.00803	.00989	.01145	.08237	.00972
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value							.01000			.06000	
Range							-20.000%			20.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.01139**	W **.01214**
Stddev	.00004	.00065
%RSD	.36886	5.3505
#1	.01142	.01168
#2	.01136	.01260
Check ?	Chk Pass	Chk Warn
Value		.01000
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4178.3**	**62879.**	**4641.9**
Stddev	16.0	48.	6.9
%RSD	.38402	.07596	.14782
#1	4189.6	62845.	4637.1
#2	4166.9	62913.	4646.8

Sample Name: CRI-943237 Acquired: 8/25/2011 13:23:04 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.91365**	F **-.43980**	**.03540**	**.00058**	**.00015**	F **-.08385**	**.00810**	**.00166**	**.01716**
Stddev	.00032	.34380	.15174	.01213	.00017	.00012	.02607	.00075	.00037	.00645
%RSD	223.73	37.630	34.502	34.257	29.487	80.631	31.099	9.3170	22.574	37.611
#1	-.00008	.67054	-.33251	.02682	.00070	.00006	-.06541	.00757	.00139	.01260
#2	.00037	1.1568	-.54710	.04398	.00046	.00023	-.10228	.00863	.00192	.02172
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000				100.00			
Low Limit			-.02000				-.02000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00951**	**-.00223**	**.01299**	**.03615**	**.00322**	**-.00062**	**.00008**	**.00747**	**-.06874**	**-.00657**
Stddev	.00339	.00074	.00771	.06248	.00121	.00331	.00010	.00326	.01857	.00219
%RSD	35.691	33.013	59.328	172.82	37.657	535.78	123.50	43.663	27.016	33.327
#1	-.00711	-.00171	.00754	-.00803	.00408	-.00296	.00016	.00517	-.08187	-.00502
#2	-.01191	-.00275	.01844	.08034	.00237	.00172	.00001	.00978	-.05561	-.00811
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.09291**	F **-.02314**	**1.5372**	F **-.12986**	F **-.01370**	**-.05276**	**.06004**	**.00021**	**-.00624**	**-.00159**
Stddev	.04790	.01393	.5797	.05012	.00076	.05402	.02158	.00012	.00137	.00100
%RSD	51.558	60.222	37.714	38.591	5.5453	102.37	35.942	56.599	21.923	62.935
#1	-.05904	-.01328	1.1272	-.09443	-.01424	-.01457	.04478	.00013	-.00527	-.00088
#2	-.12678	-.03299	1.9471	-.16530	-.01316	-.09096	.07529	.00030	-.00721	-.00230
Check ?	Chk Pass	Chk Fail	None	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		200.00		50.000	50.000					
Low Limit		-.00900		-.02000	-.01000					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.03550**	**.02655**	**-.00134**	**.00834**	**-.00228**
Stddev	.00894	.01490	.00007	.00427	.00380
%RSD	25.189	56.132	5.3407	51.140	166.31
#1	.02918	.03709	-.00140	.00533	.00040
#2	.04182	.01601	-.00129	.01136	-.00497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3673.5**	**57401.**	**4306.6**
Stddev	39.0	712.	56.7
%RSD	1.0603	1.2399	1.3159
#1	3701.0	57904.	4346.7
#2	3645.9	56897.	4266.6

Sample Name: CRI-943238 Acquired: 8/25/2011 13:27:16 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00051**	**.00067**	**-.00150**	**-.00087**	**.00014**	**-.00003**	**.00158**	**.00416**	**.00009**	**.00003**
Stddev	.00079	.00126	.00078	.00037	.00022	.00016	.00053	.00162	.00003	.00016
%RSD	154.63	188.50	51.630	42.097	155.41	613.62	33.725	38.863	39.265	503.55
#1	-.00107	-.00022	-.00205	-.00113	.00030	-.00014	.00120	.00301	.00006	-.00008
#2	.00005	.00156	-.00095	-.00061	-.00001	.00008	.00196	.00530	.00011	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00037**	**-.00136**	**-.02860**	**.00336**	**.00040**	**.00002**	**-.00043**	**-.03834**	**.00025**
Stddev	.00026	.00001	.00155	.00422	.00186	.00103	.00004	.00042	.00168	.00005
%RSD	211.58	3.2521	114.20	14.758	55.515	256.84	149.57	98.794	4.3934	18.201
#1	.00006	.00038	-.00026	-.03158	.00467	.00113	.00005	-.00013	-.03715	.00028
#2	-.00031	.00036	-.00245	-.02562	.00204	-.00033	.00000	-.00072	-.03953	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00217**	**.00488**	**.00207**	**-.00070**	**-.00188**	**.00335**	**.00022**	**.00005**	**-.00174**	**.00011**
Stddev	.00053	.00112	.00285	.00029	.00272	.00693	.00047	.00007	.00071	.00045
%RSD	24.539	22.871	137.61	41.626	144.57	206.79	220.25	122.93	40.762	416.98
#1	-.00254	.00566	.00006	-.00049	-.00380	-.00155	.00055	.00010	-.00224	.00042
#2	-.00179	.00409	.00409	-.00091	.00004	.00825	-.00012	.00001	-.00124	-.00021
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00129**	**.01288**	**-.00047**	**.00108**	**.00343**
Stddev	.00101	.01551	.00039	.00024	.00045
%RSD	78.317	120.41	82.560	22.036	13.073
#1	.00201	.02384	-.00074	.00124	.00374
#2	.00058	.00191	-.00019	.00091	.00311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4108.6**	**62020.**	**4561.5**
Stddev	5.4	3.	40.1
%RSD	.13220	.00519	.87872
#1	4112.4	62023.	4589.8
#2	4104.7	62018.	4533.2

Sample Name: ICSA-927290 Acquired: 8/25/2011 13:31:50 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00067**	**503.61**	F **-.01054**	W **-.00239**	**.00050**	**-.00032**	**-.00542**	**462.93**	**-.00042**	**-.00052**
Stddev	.00016	2.03	.00005	.00164	.00017	.00013	.00156	.47	.00006	.00014
%RSD	23.842	.40351	.43778	68.607	34.707	41.321	28.750	.10260	15.336	27.564
#1	-.00056	502.18	-.01051	-.00356	.00037	-.00023	-.00432	462.59	-.00046	-.00062
#2	-.00079	505.05	-.01057	-.00123	.00062	-.00041	-.00652	463.27	-.00037	-.00042
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.00880	.00156						
Low Limit			-.00880	-.00156						

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00157**	F **.00451**	**186.82**	**.00206**	**-.00118**	**508.00**	F **.00213**	**-.00246**	W **.09787**	**-.00090**
Stddev	.00013	.00046	.85	.04471	.00002	2.12	.00005	.00015	.00052	.00044
%RSD	8.1361	10.280	.45535	2173.6	1.3105	.41657	2.4720	6.2464	.53421	49.285
#1	.00166	.00418	186.22	-.02956	-.00117	509.50	.00216	-.00235	.09750	-.00059
#2	.00148	.00484	187.42	.03368	-.00119	506.50	.00209	-.00257	.09824	-.00122
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass
High Limit	.00123	.00272					.00051		.09160	
Low Limit	-.00132	-.00272					-.00051		-.09160	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00340**	W **.00322**	**-.07764**	**-.00167**	F **-.01113**	**.00176**	**-.00095**	F **.00221**	**.00256**	F **-.00280**
Stddev	.00162	.00028	.00379	.00075	.00135	.00346	.00003	.00006	.00693	.00007
%RSD	47.815	8.5719	4.8752	44.709	12.092	197.00	3.2334	2.8831	270.23	2.4902
#1	-.00225	.00303	-.08032	-.00219	-.01018	.00420	-.00093	.00217	.00746	-.00285
#2	-.00454	.00342	-.07497	-.00114	-.01208	-.00069	-.00097	.00226	-.00234	-.00275
Check ?	Chk Pass	Chk Warn	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
High Limit		.00261			.00972			.00060		.00119
Low Limit		-.00261			-.00972			-.00060		-.00119

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00327**	**.15703**	**-.00005**	W **.00630**	**.00134**
Stddev	.00053	.02361	.00004	.00039	.00512
%RSD	16.345	15.033	75.056	6.1711	382.94
#1	.00289	.17372	-.00008	.00658	-.00228
#2	.00365	.14033	-.00002	.00603	.00496
Check ?	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass
High Limit				.00453	
Low Limit				-.00453	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3668.0**	**52082.**	**4526.3**
Stddev	11.1	343.	2.3
%RSD	.30362	.65947	.05192
#1	3675.9	51840.	4527.9
#2	3660.2	52325.	4524.6

Sample Name: ICSAB-939413 Acquired: 8/25/2011 13:37:08 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0872**	**503.53**	**2.0002**	**1.8963**	**.49163**	**.47697**	**1.0886**	**458.27**	**1.0207**	**.46786**	**.49014**	**.53568**	**185.76**	**51.660**
Stddev	.0032	2.83	.0004	.0024	.00272	.00205	.0063	3.03	.0008	.00067	.00030	.00082	.37	.324
%RSD	.29075	.56292	.01842	.12559	.55378	.42908	.58170	.66149	.08371	.14367	.06125	.15260	.19997	.62627
#1	1.0850	501.52	2.0004	1.8946	.48971	.47552	1.0931	460.42	1.0201	.46738	.48993	.53510	185.50	51.431
#2	1.0894	505.53	1.9999	1.8980	.49356	.47841	1.0842	456.13	1.0213	.46833	.49036	.53626	186.03	51.889
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0220**	**499.19**	**.50583**	**.97684**	**51.255**	**.92564**	**1.9206**	**.94823**	**.90048**	**.98886**	**4.7779**	**9.6386**	**9.1830**	**.98687**
Stddev	.0072	3.62	.00085	.00028	.148	.00060	.0031	.00654	.00252	.00382	.0007	.0224	.0080	.00437
%RSD	.70061	.72558	.16801	.02825	.28832	.06491	.15930	.68992	.28002	.38647	.01546	.23280	.08671	.44309
#1	1.0169	496.63	.50523	.97665	51.151	.92522	1.9227	.94361	.90226	.98616	4.7774	9.6227	9.1774	.98378
#2	1.0271	501.75	.50644	.97704	51.360	.92607	1.9184	.95286	.89870	.99157	4.7784	9.6544	9.1886	.98996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0418**	**.99997**	**8.7104**	**.17604**	**.50812**	**.98517**	**.97955**
Stddev	.0019	.00103	.0062	.04210	.00208	.00119	.00607
%RSD	.09485	.10338	.07134	23.913	.40922	.12073	.62014
#1	2.0404	.99924	8.7060	.20581	.50665	.98432	.97526
#2	2.0431	1.0007	8.7148	.14627	.50959	.98601	.98385
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3611.9**	**51893.**	**4505.6**
Stddev	5.0	26.	7.6
%RSD	.13845	.04955	.16789
#1	3615.4	51911.	4510.9
#2	3608.3	51875.	4500.2

Sample Name: LRA-881405 Acquired: 8/25/2011 13:40:21 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0663**	**-.16424**	**9.9051**	**9.5862**	**11.975**	**.00222**	**.01049**	**-.01642**	**1.9918**	**4.9266**	**9.8816**	**10.561**	**501.15**
Stddev	.0026	.00963	.0062	.0135	.043	.00002	.00305	.00588	.0042	.0128	.0313	.015	.52
%RSD	.12606	5.8631	.06257	.14110	.36061	.77575	29.031	35.821	.21100	.25916	.31696	.13922	.10463
#1	2.0645	-.15743	9.9094	9.5958	12.005	.00223	.00834	-.01226	1.9948	4.9356	9.9038	10.551	501.52
#2	2.0681	-.17104	9.9007	9.5766	11.944	.00221	.01265	-.02058	1.9889	4.9176	9.8595	10.572	500.77
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.11936**	**.00094**	**-.15527**	**9.9895**	**4.9680**	**-.02687**	**9.8391**	**.00461**	**10.314**	**-.05622**	**.03019**	**4.9220**	**47.075**
Stddev	.02631	.00102	.00036	.0279	.0170	.00633	.0199	.00193	.021	.00003	.00124	.0087	.264
%RSD	22.046	108.83	.23181	.27906	.34273	23.559	.20194	41.890	.20321	.06131	4.0937	.17736	.56024
#1	-.10075	.00166	-.15501	10.009	4.9800	-.02239	9.8532	.00324	10.329	-.05619	.02931	4.9282	46.888
#2	-.13796	.00022	-.15552	9.9698	4.9560	-.03135	9.8251	.00597	10.299	-.05624	.03106	4.9159	47.261
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01562**	**10.024**	**-.02984**	**9.7923**	**5.0467**	**.54268**	**10.066**	**9.7797**	**.00086**
Stddev	.00034	.057	.00046	.0084	.0152	.00130	.021	.0161	.00008
%RSD	2.1500	.57353	1.5449	.08586	.30011	.23935	.20424	.16457	9.4425
#1	-.01586	10.065	-.02951	9.7863	5.0574	.54360	10.052	9.7683	.00080
#2	-.01538	9.9836	-.03017	9.7982	5.0360	.54176	10.081	9.7910	.00092
Check ?	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4044.4**	**59891.**	**4602.2**
Stddev	6.3	37.	3.1
%RSD	.15562	.06123	.06672
#1	4040.0	59865.	4604.3
#2	4048.9	59917.	4600.0

Sample Name: CCVH-940568 Acquired: 8/25/2011 13:43:07 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02152**	**49.064**	**.00679**	**.02085**	**.00264**	**-.00013**	**.99617**	**.03586**	**-.00093**	**.00278**	**.00272**	**-.00101**	**49.608**
Stddev	.00061	.083	.00360	.00085	.00064	.00003	.00056	.00156	.00020	.00073	.00196	.00026	.001
%RSD	2.8406	.16850	52.977	4.0577	24.209	22.927	.05660	4.3455	21.232	26.267	72.305	25.348	.00137
#1	-.02109	49.006	.00425	.02145	.00310	-.00011	.99657	.03475	-.00107	.00227	.00133	-.00083	49.609
#2	-.02195	49.123	.00934	.02025	.00219	-.00015	.99577	.03696	-.00079	.00330	.00411	-.00119	49.608
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06943**	**.00525**	**-.09596**	**.00275**	**.01668**	**250.19**	**.00298**	**.00141**	**.00151**	**4.8961**	**-.00926**	**.02379**	**.07304**
Stddev	.00267	.00036	.00298	.00020	.00492	.03	.00133	.00020	.00238	.0073	.00123	.00569	.00022
%RSD	3.8390	6.8775	3.1043	7.2024	29.489	.01379	44.818	14.417	157.88	.14936	13.255	23.935	.29805
#1	.06754	.00551	-.09385	.00290	.01320	250.17	.00203	.00127	-.00018	4.8909	-.01013	.01976	.07289
#2	.07131	.00500	-.09806	.00261	.02016	250.22	.00392	.00155	.00319	4.9013	-.00839	.02781	.07320
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00201**	**.00247**	**4.8676**	**.00701**	**.00571**	**10.254**	**-.00700**	**.00678**	**.02075**
Stddev	.00041	.00048	.0015	.00066	.00178	.022	.00000	.00003	.00174
%RSD	20.489	19.450	.03097	9.3738	31.190	.21341	.00403	.43851	8.3650
#1	.00172	.00281	4.8687	.00654	.00445	10.269	-.00700	.00676	.01953
#2	.00230	.00213	4.8666	.00747	.00697	10.238	-.00700	.00680	.02198
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3997.4**	**58756.**	**4588.4**
Stddev	1.5	7.	.3
%RSD	.03817	.01150	.00599
#1	3996.3	58751.	4588.2
#2	3998.5	58761.	4588.6

Sample Name: CCV-940591 Acquired: 8/25/2011 13:45:39 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50283**	**.51486**	**.99618**	**.50764**	**.49680**	**.49600**	**.00630**	**4.9268**	**.50332**	**.49778**	**.49451**	**.50565**	**2.5096**
Stddev	.00030	.00118	.00285	.00026	.00022	.00043	.00090	.0056	.00018	.00030	.00022	.00086	.0141
%RSD	.06032	.22985	.28560	.05213	.04380	.08687	14.217	.11469	.03563	.05984	.04423	.17028	.56393
#1	.50261	.51570	.99417	.50745	.49664	.49630	.00566	4.9308	.50345	.49799	.49466	.50504	2.5196
#2	.50304	.51402	.99819	.50782	.49695	.49569	.00693	4.9228	.50320	.49757	.49435	.50626	2.4996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.980**	**.99890**	**20.041**	**.50127**	**.50139**	**5.0801**	**.49765**	**.97699**	**1.0092**	**.00011**	**.98805**	**.98933**	**4.9286**
Stddev	.061	.00339	.018	.00016	.00057	.0194	.00037	.00419	.0008	.00098	.00221	.00196	.0211
%RSD	.12377	.33914	.09142	.03191	.11340	.38161	.07401	.42912	.07525	934.04	.22325	.19859	.42792
#1	49.023	1.0013	20.028	.50116	.50180	5.0938	.49739	.97995	1.0097	.00080	.98650	.99072	4.9137
#2	48.937	.99651	20.054	.50138	.50099	5.0664	.49791	.97403	1.0086	-.00059	.98961	.98794	4.9435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99522**	**.49909**	**-.00007**	**.49368**	**1.0057**	**.02330**	**.50038**	**.50030**	**.50285**
Stddev	.00139	.00068	.00043	.00053	.0000	.00087	.00118	.00128	.00251
%RSD	.13974	.13693	613.25	.10782	.00031	3.7226	.23497	.25593	.49840
#1	.99424	.49957	-.00037	.49330	1.0057	.02392	.50122	.50120	.50462
#2	.99620	.49861	.00023	.49405	1.0057	.02269	.49955	.49939	.50107
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4083.9**	**60707.**	**4597.6**
Stddev	2.0	72.	5.6
%RSD	.04899	.11890	.12239
#1	4082.5	60656.	4593.6
#2	4085.3	60758.	4601.6

Sample Name: CCB Acquired: 8/25/2011 13:48:00 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00065**	**.00188**	F **.00890**	**-.00004**	**.00001**	**.00232**	**.00821**	**.00008**	**.00004**	**.00021**
Stddev	.00004	.00075	.00054	.00003	.00007	.00011	.00021	.00391	.00006	.00019	.00018
%RSD	38.437	116.29	28.643	.31701	170.83	821.00	9.2561	47.680	71.644	455.82	85.945
#1	-.00008	.00012	.00150	.00888	-.00009	.00009	.00217	.01098	.00004	.00018	.00008
#2	-.00013	.00118	.00226	.00892	.00001	-.00006	.00247	.00544	.00012	-.00009	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00312							
Low Limit				-.00312							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.00572**	**-.03815**	W **.00487**	**.00379**	**.00005**	W **.00367**	**-.01170**	**-.00002**	**-.00133**	**-.00028**
Stddev	.00019	.00021	.06793	.00171	.00154	.00001	.00099	.01724	.00036	.00064	.00010
%RSD	82.833	3.7497	178.07	35.204	40.669	26.021	27.126	147.36	1675.1	47.692	34.800
#1	-.00009	.00557	.00989	.00608	.00488	.00004	.00296	.00049	.00023	-.00088	-.00035
#2	-.00036	.00587	-.08618	.00366	.00270	.00005	.00437	-.02389	-.00028	-.00178	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261			.00313				
Low Limit				-.00261			-.00313				

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00170**	F **.00724**	W **.00858**	**.01385**	**.00141**	**.00026**	**-.00146**	W **.00060**	**.00143**	**.00618**	**-.00037**
Stddev	.00457	.00148	.00242	.00866	.00038	.00007	.00002	.00001	.00141	.01077	.00006
%RSD	268.54	20.403	28.234	62.531	26.879	28.462	1.0344	1.1451	98.558	174.31	16.889
#1	-.00153	.00619	.00686	.00773	.00114	.00031	-.00145	.00060	.00243	-.00144	-.00032
#2	.00494	.00828	.01029	.01998	.00168	.00021	-.00147	.00061	.00043	.01380	-.00041
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486					.00060			
Low Limit		-.00628	-.00486					-.00060			

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00175**	W **.00455**
Stddev	.00023	.00079
%RSD	13.067	17.274
#1	.00191	.00510
#2	.00159	.00399
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4119.0**	**62067.**	**4586.4**
Stddev	4.8	71.	4.2
%RSD	.11696	.11406	.09210
#1	4122.4	62118.	4589.4
#2	4115.6	62017.	4583.4

Sample Name: CCVL942742 Acquired: 8/25/2011 13:50:35 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01004**	**.10541**	**.01681**	**.10384**	**.00996**	**.00098**	W **.12729**	**.20154**	**.00523**	**.01028**	**.01015**
Stddev	.00021	.00097	.00002	.00021	.00018	.00009	.00118	.00225	.00016	.00003	.00015
%RSD	2.1277	.92099	.12685	.20539	1.8425	9.0972	.92977	1.1180	3.0108	.28452	1.4539
#1	.01019	.10610	.01679	.10399	.00983	.00092	.12813	.20314	.00535	.01031	.01026
#2	.00988	.10473	.01682	.10369	.01009	.00105	.12645	.19995	.00512	.01026	.01005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							20.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01574**	**.09903**	**2.9624**	F **.01359**	**.21283**	**.01033**	**.01967**	**1.0069**	**.04135**	**2.8222**	**.00836**
Stddev	.00003	.00286	.0427	.00049	.00155	.00003	.00009	.0090	.00038	.0098	.00037
%RSD	.18624	2.8910	1.4413	3.6225	.72623	.30241	.44280	.89740	.92719	.34780	4.4169
#1	.01576	.09700	2.9322	.01324	.21392	.01036	.01973	1.0005	.04108	2.8152	.00810
#2	.01572	.10105	2.9926	.01394	.21174	.01031	.01961	1.0133	.04163	2.8291	.00862
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00271**	**.01112**	**.01463**	**.47401**	**.09847**	**.01028**	**.01219**	**.01029**	**.01797**	**.06747**	**.01040**
Stddev	.00154	.00158	.00030	.02388	.00076	.00003	.00256	.00028	.00093	.02842	.00049
%RSD	56.821	14.250	2.0640	5.0372	.77475	.26271	20.959	2.7482	5.1735	42.125	4.6644
#1	-.00380	.01000	.01484	.45712	.09793	.01030	.01039	.01009	.01732	.08756	.01075
#2	-.00162	.01224	.01441	.49089	.09901	.01026	.01400	.01049	.01863	.04737	.01006
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02144**	W **.01901**
Stddev	.00007	.00036
%RSD	.32985	1.8962
#1	.02139	.01876
#2	.02149	.01927
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4171.8**	**62588.**	**4617.7**
Stddev	3.6	204.	13.8
%RSD	.08700	.32634	.29968
#1	4174.4	62732.	4627.5
#2	4169.2	62443.	4607.9

Sample Name: MB 280-82641/1-A Acquired: 8/25/2011 13:55:15 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82641 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00036	.00524	.00102	W .00599	.00194	.00005	.00261	.08032	.00057	-.00021
Stddev	.00007	.00016	.00275	.00031	.00000	.00000	.00284	.00037	.00014	.00012
%RSD	20.680	2.9734	269.73	5.2100	.11369	4.4180	108.99	.45930	25.380	59.589
#1	-.00031	.00535	.00297	.00577	.00194	.00006	.00462	.08006	.00067	-.00012
#2	-.00042	.00513	-.00093	.00621	.00194	.00005	.00060	.08058	.00046	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00500						
Low Limit				-.00500						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00050	.00131	W .04051	.03901	.00245	.00937	.00114	.00030	.06591	.00031
Stddev	.00010	.00004	.00003	.04216	.00188	.00074	.00001	.00064	.01157	.00019
%RSD	20.082	2.9847	.08140	108.08	77.040	7.8852	.57461	213.96	17.550	60.981
#1	.00057	.00134	.04048	.06882	.00111	.00989	.00114	-.00015	.05773	.00018
#2	.00043	.00128	.04053	.00920	.00378	.00885	.00115	.00076	.07409	.00044
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.03000							
Low Limit			-.05000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00608	.00004	.03472	.00018	-.00137	.00885	.00805	.00030	-.00099	.00100
Stddev	.00008	.00072	.00358	.00054	.00289	.02243	.00065	.00006	.00019	.00026
%RSD	1.2512	1714.5	10.301	299.96	210.99	253.33	8.1355	20.805	18.788	25.641
#1	.00613	-.00047	.03724	.00057	.00067	.02472	.00758	.00035	-.00086	.00118
#2	.00603	.00055	.03219	-.00020	-.00342	-.00701	.00851	.00026	-.00113	.00082
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00500									
Low Limit	-.00500									

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00034	.00883	-.00022	.00455	.00462
Stddev	.00043	.00254	.00020	.00023	.00180
%RSD	125.31	28.721	90.441	5.0014	39.057
#1	-.00065	.00704	-.00037	.00439	.00589
#2	-.00004	.01063	-.00008	.00471	.00334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4199.3	63563.	4698.6
Stddev	7.8	51.	4.9
%RSD	.18459	.08073	.10504
#1	4193.8	63526.	4702.1
#2	4204.8	63599.	4695.1

Sample Name: LCS 280-82641/2-A Acquired: 8/25/2011 13:57:48 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82641 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04597**	**1.8895**	**.98566**	**.92232**	**1.9824**	**.04944**	F **2.2808**	**48.659**	**.10241**	**.47992**
Stddev	.00035	.0042	.00501	.00080	.0008	.00014	.0047	.006	.00011	.00066
%RSD	.76143	.22266	.50822	.08669	.04117	.27932	.20840	.01133	.11002	.13770
#1	.04622	1.8924	.98212	.92176	1.9818	.04954	2.2775	48.656	.10249	.47946
#2	.04573	1.8865	.98920	.92289	1.9829	.04935	2.2842	48.663	.10233	.48039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19495**	**.25013**	**1.0087**	**49.589**	**.99386**	**48.429**	**.48879**	**.97336**	**50.819**	**.47963**
Stddev	.00029	.00055	.0024	.018	.00129	.030	.00001	.00081	.228	.00004
%RSD	.15047	.22014	.23667	.03562	.12987	.06219	.00292	.08273	.44836	.00856
#1	.19474	.24974	1.0104	49.577	.99294	48.408	.48878	.97393	50.658	.47961
#2	.19516	.25052	1.0070	49.602	.99477	48.450	.48880	.97279	50.980	.47966
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7941**	**.48533**	**.15460**	**.47683**	**1.9343**	**2.6959**	**1.9069**	**1.0000**	**.96509**	**.97137**
Stddev	.0044	.00030	.00105	.00321	.0011	.0083	.0040	.0002	.00151	.00015
%RSD	.04537	.06181	.67637	.67276	.05683	.30758	.21185	.02055	.15595	.01540
#1	9.7972	.48512	.15534	.47910	1.9351	2.6900	1.9041	1.0002	.96615	.97126
#2	9.7909	.48555	.15386	.47456	1.9336	2.7018	1.9098	.99987	.96402	.97147
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9212**	**2.0673**	**.49442**	**.49348**	**.50447**
Stddev	.0017	.0302	.00013	.00066	.00389
%RSD	.08813	1.4603	.02663	.13456	.77155
#1	1.9224	2.0459	.49433	.49395	.50722
#2	1.9200	2.0886	.49451	.49301	.50171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4019.6**	**59711.**	**4590.0**
Stddev	7.7	107.	18.1
%RSD	.19159	.17872	.39385
#1	4025.0	59635.	4602.8
#2	4014.1	59786.	4577.2

Sample Name: 280-19410-A-9-A Acquired: 8/25/2011 14:00:09 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82641 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00212**	**39.254**	**.00897**	**.00632**	**.59814**	**.00447**	**.03991**	**66.039**	**.00098**	**.07944**
Stddev	.00013	.125	.00242	.00040	.00216	.00001	.00342	.245	.00010	.00032
%RSD	6.3578	.31804	27.032	6.3237	.36148	.30989	8.5750	.37170	10.544	.40876
#1	-.00203	39.343	.00725	.00604	.59967	.00446	.03749	66.213	.00091	.07967
#2	-.00222	39.166	.01068	.00660	.59662	.00448	.04233	65.866	.00106	.07921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04750**	**.15585**	**219.15**	**5.7157**	**.03699**	**37.412**	**3.0084**	**.00585**	**2.6816**	**.06473**
Stddev	.00010	.00035	.79	.0236	.00134	.011	.0026	.00110	.0109	.00051
%RSD	.20816	.22542	.36134	.41348	3.6294	.03056	.08554	18.726	.40571	.78852
#1	.04757	.15610	219.71	5.7324	.03794	37.404	3.0066	.00508	2.6893	.06437
#2	.04743	.15560	218.59	5.6990	.03604	37.420	3.0102	.00663	2.6739	.06510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.771**	**.01887**	**.98885**	**-.00351**	**.00404**	**2.0920**	**-.02449**	**.23640**	**.01201**	W **21.098**
Stddev	.027	.00139	.00376	.00010	.00381	.0197	.00036	.00074	.00117	.083
%RSD	.25486	7.3748	.37980	2.9337	94.493	.94233	1.4858	.31330	9.7109	.39266
#1	10.790	.01788	.99150	-.00358	.00134	2.1060	-.02474	.23692	.01283	21.157
#2	10.751	.01985	.98619	-.00343	.00673	2.0781	-.02423	.23587	.01118	21.040
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										10.000
Low Limit										-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00975**	**.13370**	**.50038**	**.39074**	**.23697**
Stddev	.00184	.00928	.00030	.00034	.00132
%RSD	18.895	6.9444	.06018	.08580	.55555
#1	.00845	.12714	.50017	.39097	.23604
#2	.01105	.14027	.50059	.39050	.23790
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4659.6**	**68500.**	**5339.8**
Stddev	9.2	42.	5.3
%RSD	.19679	.06199	.10012
#1	4666.0	68530.	5343.6
#2	4653.1	68470.	5336.0

Sample Name: 280-19410-A-9-ASD@5 Acquired: 8/25/2011 14:02:41 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82641 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**8.8034**	**.00067**	**.00482**	**.13495**	**.00102**	**.00989**	**14.742**	**.00056**	**.01837**
Stddev	.00003	.0444	.00178	.00023	.00067	.00018	.00033	.015	.00005	.00020
%RSD	13.303	.50433	265.84	4.7461	.49869	17.600	3.3641	.09946	8.6275	1.0674
#1	-.00020	8.8348	-.00059	.00498	.13543	.00089	.00966	14.753	.00060	.01851
#2	-.00024	8.7720	.00193	.00465	.13448	.00115	.01013	14.732	.00053	.01823
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01071**	**.03489**	**49.858**	**1.2449**	**.00918**	**8.5516**	**.68095**	**.00045**	**.55504**	**.01476**
Stddev	.00034	.00019	.086	.0136	.00314	.0007	.00048	.00038	.00254	.00004
%RSD	3.1504	.53657	.17222	1.0920	34.253	.00849	.07027	84.815	.45773	.27453
#1	.01048	.03502	49.797	1.2353	.00696	8.5521	.68129	.00018	.55684	.01479
#2	.01095	.03476	49.919	1.2545	.01140	8.5511	.68061	.00072	.55325	.01474
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3970**	**.00368**	**.21159**	**-.00085**	**.00354**	**.44979**	**-.00624**	**.05320**	**.00129**	**4.7700**
Stddev	.0035	.00056	.00254	.00126	.00108	.02843	.00026	.00003	.00125	.0022
%RSD	.14423	15.133	1.2011	148.24	30.552	6.3209	4.2403	.06419	97.187	.04532
#1	2.3994	.00329	.20979	-.00174	.00431	.46989	-.00605	.05318	.00040	4.7715
#2	2.3945	.00408	.21339	.00004	.00278	.42968	-.00642	.05323	.00218	4.7685
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00288**	**.01163**	**.11279**	**.08995**	**.05657**
Stddev	.00214	.00754	.00020	.00044	.00007
%RSD	74.168	64.791	.18157	.48909	.12291
#1	.00439	.00630	.11294	.09026	.05662
#2	.00137	.01696	.11265	.08964	.05652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4273.5**	**63318.**	**4740.4**
Stddev	4.7	30.	6.9
%RSD	.10954	.04770	.14558
#1	4270.2	63340.	4735.5
#2	4276.8	63297.	4745.3

Sample Name: 280-19410-A-9-B DU Acquired: 8/25/2011 14:05:11 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82641 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00209**	**46.687**	**.01091**	**.00476**	**.63883**	**.00491**	**.04064**	**65.611**	**.00127**	**.07912**
Stddev	.00018	.134	.00267	.00082	.00095	.00004	.00289	.215	.00004	.00006
%RSD	8.5593	.28600	24.488	17.188	.14805	.83387	7.1080	.32815	3.0078	.07850
#1	-.00221	46.782	.01280	.00534	.63950	.00488	.04268	65.764	.00130	.07916
#2	-.00196	46.593	.00902	.00418	.63816	.00493	.03860	65.459	.00125	.07908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05557**	**.15453**	**246.57**	**6.7534**	**.04107**	**43.293**	**2.9245**	**.00150**	**3.0150**	**.06926**
Stddev	.00016	.00012	.89	.0060	.00524	.011	.0003	.00012	.0012	.00003
%RSD	.28197	.07537	.35912	.08889	12.766	.02633	.01097	7.9674	.03932	.04200
#1	.05546	.15461	247.20	6.7492	.03736	43.301	2.9248	.00159	3.0159	.06928
#2	.05568	.15445	245.94	6.7577	.04477	43.285	2.9243	.00142	3.0142	.06924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.031**	**.01891**	**.95603**	**-.00093**	**-.00224**	**2.5091**	**-.03624**	**.22994**	**.01040**	W **23.661**
Stddev	.003	.00015	.00110	.00055	.00326	.0642	.00033	.00070	.00054	.070
%RSD	.02491	.79312	.11544	59.616	145.45	2.5577	.92357	.30527	5.1652	.29752
#1	11.029	.01880	.95681	-.00132	-.00455	2.4638	-.03647	.23043	.01002	23.710
#2	11.033	.01901	.95525	-.00054	.00006	2.5545	-.03600	.22944	.01078	23.611
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										10.000
Low Limit										-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00769**	**.10551**	**.58583**	**.44175**	**.24693**
Stddev	.00028	.02283	.00135	.00039	.00123
%RSD	3.6005	21.638	.23050	.08726	.49827
#1	.00749	.08936	.58679	.44147	.24780
#2	.00788	.12165	.58488	.44202	.24606
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4670.5**	**68341.**	**5301.6**
Stddev	1.2	26.	28.5
%RSD	.02575	.03786	.53851
#1	4669.6	68323.	5281.4
#2	4671.3	68359.	5321.8

Sample Name: 280-19410-A-9-C MS Acquired: 8/25/2011 14:07:42 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82641 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03728**	**62.798**	**.83658**	**.77810**	**2.3545**	**.04689**	**1.9696**	**132.74**	**.08835**	**.48886**
Stddev	.00043	.072	.00292	.00036	.0046	.00013	.0039	.04	.00014	.00049
%RSD	1.1495	.11420	.34916	.04615	.19530	.27858	.19958	.02966	.15433	.10024
#1	.03698	62.849	.83451	.77785	2.3577	.04698	1.9724	132.77	.08825	.48851
#2	.03758	62.747	.83865	.77836	2.3512	.04680	1.9668	132.72	.08845	.48920
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23975**	**.39020**	**271.67**	**49.939**	**.89252**	**93.064**	**4.2544**	**.83043**	**49.853**	**.49039**
Stddev	.00033	.00173	.34	.082	.00484	.012	.0245	.00068	.205	.00070
%RSD	.13825	.44298	.12406	.16420	.54206	.01266	.57621	.08229	.41043	.14242
#1	.23998	.38898	271.91	49.997	.89594	93.055	4.2370	.83091	49.997	.49088
#2	.23951	.39142	271.43	49.881	.88909	93.072	4.2717	.82995	49.708	.48989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.648**	**.42414**	**1.0534**	**.29393**	**1.6149**	**5.7952**	**1.5337**	**1.1580**	**.82587**	F **25.605**
Stddev	.021	.00300	.0032	.00138	.0024	.0400	.0031	.0028	.00523	.134
%RSD	.10269	.70669	.29948	.46819	.15109	.69018	.20408	.23907	.63304	.52178
#1	20.633	.42202	1.0556	.29295	1.6167	5.7669	1.5315	1.1600	.82957	25.511
#2	20.663	.42626	1.0512	.29490	1.6132	5.8235	1.5359	1.1561	.82218	25.700
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit										25.000
Low Limit										-.02000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.5476**	**1.9056**	**1.0482**	**.87424**	**.74073**
Stddev	.0056	.0010	.0013	.00144	.00511
%RSD	.35909	.05141	.12347	.16500	.69047
#1	1.5436	1.9049	1.0473	.87322	.74434
#2	1.5515	1.9063	1.0491	.87526	.73711
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4647.5**	**68380.**	**5401.5**
Stddev	8.0	214.	11.7
%RSD	.17138	.31257	.21585
#1	4653.1	68531.	5393.3
#2	4641.8	68228.	5409.8

Sample Name: 280-19410-A-10-A Acquired: 8/25/2011 14:10:11 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82641 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00154**	**51.085**	**.02209**	**.00939**	**.57142**	**.00408**	**.03017**	**85.171**	**.00142**	**.07009**
Stddev	.00034	.023	.00430	.00031	.00016	.00007	.00110	.048	.00027	.00021
%RSD	21.719	.04530	19.457	3.2895	.02873	1.7447	3.6620	.05636	18.978	.29310
#1	-.00131	51.069	.02513	.00961	.57130	.00413	.02939	85.205	.00123	.06995
#2	-.00178	51.102	.01905	.00917	.57153	.00403	.03095	85.138	.00161	.07024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11913**	**.18384**	**214.21**	**8.7810**	**.05080**	**36.103**	**2.7025**	**.00682**	**3.3401**	**.08591**
Stddev	.00018	.00065	.02	.0209	.00053	.038	.0046	.00101	.0018	.00054
%RSD	.15529	.35156	.00707	.23812	1.0458	.10446	.17137	14.822	.05394	.62681
#1	.11926	.18339	214.20	8.7662	.05042	36.076	2.6992	.00610	3.3413	.08553
#2	.11900	.18430	214.22	8.7957	.05117	36.129	2.7057	.00753	3.3388	.08629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.3237**	**.09638**	**1.1456**	**-.00521**	**.00488**	**4.0416**	**-.02108**	**.29374**	**.01503**	W **17.062**
Stddev	.0133	.00068	.0031	.00135	.00437	.1218	.00032	.00052	.00187	.098
%RSD	.16015	.70051	.27078	25.865	89.478	3.0137	1.5013	.17627	12.454	.57150
#1	8.3143	.09685	1.1478	-.00616	.00179	3.9555	-.02131	.29411	.01371	17.131
#2	8.3332	.09590	1.1434	-.00426	.00797	4.1278	-.02086	.29338	.01636	16.993
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										10.000
Low Limit										-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00687**	**.10774**	**.44367**	**.43820**	**.19493**
Stddev	.00029	.01827	.00143	.00063	.00081
%RSD	4.2659	16.959	.32123	.14295	.41669
#1	.00666	.12067	.44266	.43864	.19436
#2	.00708	.09482	.44468	.43775	.19550
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4502.4**	**65664.**	**5153.8**
Stddev	.1	147.	2.6
%RSD	.00264	.22430	.05126
#1	4502.4	65559.	5155.6
#2	4502.5	65768.	5151.9

Sample Name: 280-19410-B-11-A Acquired: 8/25/2011 14:12:43 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82641 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00203**	**38.623**	**.00570**	**.00335**	**.68767**	**.00467**	**.04487**	**47.442**	**.00106**	**.08009**
Stddev	.00052	.118	.00313	.00004	.00293	.00007	.00122	.232	.00024	.00040
%RSD	25.750	.30442	54.909	1.2854	.42584	1.5476	2.7265	.48958	22.401	.49331
#1	-.00240	38.706	.00792	.00338	.68974	.00462	.04401	47.607	.00123	.08037
#2	-.00166	38.540	.00349	.00332	.68560	.00472	.04574	47.278	.00089	.07981
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03999**	**.14811**	**244.09**	**5.5786**	**.03619**	**41.462**	**2.9262**	**.00154**	**2.9499**	**.06701**
Stddev	.00001	.00046	1.24	.0556	.00024	.079	.0051	.00010	.0092	.00021
%RSD	.02782	.31194	.50850	.99751	.66425	.18988	.17469	6.4467	.31074	.30641
#1	.03998	.14779	244.97	5.6179	.03602	41.406	2.9226	.00161	2.9563	.06687
#2	.04000	.14844	243.22	5.5392	.03636	41.517	2.9298	.00147	2.9434	.06716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.274**	**.01331**	**.98131**	**-.00413**	**-.00463**	**1.9357**	**-.03763**	**.16678**	**.01022**	W **24.560**
Stddev	.047	.00179	.00413	.00142	.00078	.0047	.00005	.00083	.00009	.071
%RSD	.41554	13.468	.42069	34.437	16.968	.24385	.12687	.49620	.83657	.29096
#1	11.307	.01458	.97839	-.00313	-.00518	1.9391	-.03766	.16736	.01028	24.509
#2	11.241	.01205	.98423	-.00514	-.00407	1.9324	-.03759	.16619	.01016	24.611
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										10.000
Low Limit										-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01003**	**.12571**	**.59204**	**.43422**	**.26328**
Stddev	.00222	.00526	.00198	.00084	.00416
%RSD	22.140	4.1828	.33503	.19453	1.5819
#1	.01160	.12199	.59344	.43362	.26623
#2	.00846	.12943	.59063	.43482	.26034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4711.1**	**69217.**	**5346.6**
Stddev	9.8	51.	18.5
%RSD	.20709	.07396	.34616
#1	4704.2	69181.	5333.5
#2	4718.0	69253.	5359.7

Sample Name: CCVH-940568 Acquired: 8/25/2011 14:15:15 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02121**	**49.028**	**-.00645**	**.00312**	**.00074**	**-.00014**	**.98027**	**.03257**	**-.00116**	**.00196**	**.00008**	**-.00250**	**49.476**
Stddev	.00035	.029	.00316	.00012	.00035	.00007	.00148	.00727	.00001	.00023	.00025	.00003	.060
%RSD	1.6498	.05983	49.027	3.7006	46.941	47.178	.15138	22.308	.90684	11.477	307.64	1.0936	.12203
#1	-.02146	49.008	-.00421	.00320	.00098	-.00010	.98131	.03771	-.00116	.00180	.00026	-.00248	49.433
#2	-.02096	49.049	-.00869	.00304	.00049	-.00019	.97922	.02743	-.00117	.00212	-.00010	-.00252	49.518
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08489**	**.00318**	**-.09409**	**.00082**	**-.00203**	**251.39**	**.00151**	**.00868**	**.00003**	**4.8874**	**-.00877**	**.01358**	**.02335**
Stddev	.04071	.00569	.00066	.00006	.00017	.25	.00025	.00302	.00067	.0016	.00181	.00408	.01258
%RSD	47.959	179.02	.70354	7.5829	8.3188	.09951	16.380	34.807	2199.7	.03304	20.614	30.050	53.874
#1	.05610	-.00084	-.09362	.00087	-.00191	251.56	.00168	.00654	.00050	4.8886	-.00749	.01647	.01446
#2	.11368	.00720	-.09456	.00078	-.00215	251.21	.00133	.01081	-.00044	4.8863	-.01004	.01070	.03225
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**.00042**	**4.8577**	**.01473**	**.00436**	**10.267**	**-.00880**	**.00420**	**.02048**
Stddev	.00113	.00007	.0070	.00019	.00220	.009	.00024	.00032	.00393
%RSD	175.22	15.728	.14412	1.2976	50.481	.08945	2.6867	7.5987	19.175
#1	.00144	.00038	4.8626	.01486	.00591	10.274	-.00863	.00442	.01770
#2	-.00015	.00047	4.8527	.01459	.00280	10.261	-.00897	.00397	.02325
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4038.5**	**58938.**	**4559.7**
Stddev	9.5	25.	1.0
%RSD	.23419	.04306	.02088
#1	4045.1	58920.	4560.4
#2	4031.8	58956.	4559.0

Sample Name: CCV-940591 Acquired: 8/25/2011 14:17:45 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50432**	**.49371**	**.99608**	**.49960**	**.49845**	**.49920**	**.00548**	**4.9501**	**.50370**	**.49344**	**.49169**	**.50556**	**2.5106**
Stddev	.00161	.00597	.00426	.00104	.00105	.00017	.00266	.0065	.00025	.00138	.00030	.00020	.0004
%RSD	.31959	1.2100	.42759	.20744	.21043	.03409	48.550	.13132	.05032	.27905	.06062	.03960	.01729
#1	.50546	.48949	.99307	.49886	.49919	.49908	.00736	4.9547	.50352	.49246	.49147	.50570	2.5109
#2	.50318	.49794	.99909	.50033	.49771	.49932	.00360	4.9455	.50387	.49441	.49190	.50541	2.5103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.232**	**.99968**	**20.135**	**.50398**	**.49885**	**5.0887**	**.49744**	**.94890**	**1.0093**	**.00183**	**.98935**	**.99356**	**4.9255**
Stddev	.082	.00361	.020	.00015	.00185	.0100	.00009	.00062	.0031	.00020	.00076	.00204	.0155
%RSD	.16605	.36104	.10123	.03054	.37050	.19595	.01725	.06487	.30497	10.705	.07639	.20530	.31415
#1	49.290	1.0022	20.150	.50409	.50016	5.0958	.49738	.94846	1.0071	.00197	.98881	.99212	4.9365
#2	49.175	.99712	20.121	.50387	.49754	5.0817	.49751	.94933	1.0115	.00169	.98988	.99501	4.9146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99382**	**.50095**	**-.00072**	**.49363**	**.99586**	**-.00462**	**.50163**	**.50138**	**.50900**
Stddev	.00362	.00058	.00186	.00060	.00017	.03829	.00151	.00115	.00415
%RSD	.36402	.11499	257.50	.12088	.01742	828.88	.30059	.22902	.81491
#1	.99126	.50136	.00059	.49321	.99574	-.03169	.50270	.50219	.51193
#2	.99637	.50054	-.00204	.49405	.99598	.02245	.50057	.50056	.50607
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4114.9**	**60941.**	**4573.2**
Stddev	10.6	31.	3.4
%RSD	.25704	.05037	.07448
#1	4122.4	60963.	4570.8
#2	4107.4	60919.	4575.6

Sample Name: CCB Acquired: 8/25/2011 14:20:06 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00044**	**.00016**	W **.00278**	**.00010**	**.00003**	**.00233**	**.00372**	**.00027**	**-.00013**	**.00012**
Stddev	.00014	.00174	.00028	.00020	.00042	.00001	.00264	.00200	.00030	.00005	.00034
%RSD	272.56	396.07	179.04	7.2219	423.03	52.502	113.41	53.811	113.01	38.029	274.86
#1	-.00005	-.00079	-.00004	.00292	-.00020	.00004	.00046	.00513	.00005	-.00017	-.00012
#2	.00015	.00167	.00035	.00264	.00040	.00002	.00420	.00230	.00048	-.00010	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**-.00074**	**.02906**	F **.00731**	**.00246**	**.00004**	**.00258**	**-.02460**	**.00043**	**-.00215**	**.00093**
Stddev	.00025	.00274	.02855	.00200	.00012	.00004	.00071	.01502	.00034	.00252	.00063
%RSD	175.76	371.13	98.265	27.335	4.7069	82.802	27.353	61.079	79.613	116.98	67.060
#1	-.00032	.00120	.04925	.00590	.00238	.00002	.00208	-.01397	.00019	-.00393	.00138
#2	.00003	-.00268	.00887	.00872	.00254	.00007	.00308	-.03522	.00067	-.00037	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00522							
Low Limit				-.00522							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	F **.00947**	W **.00878**	**-.01240**	**.00135**	**.00013**	**-.00153**	W **.00109**	**.00035**	**.00975**	**.00020**
Stddev	.00085	.00298	.00476	.00624	.00045	.00005	.00090	.00016	.00037	.00658	.00046
%RSD	158.81	31.485	54.184	50.333	33.152	40.557	58.480	14.558	103.75	67.463	231.78
#1	.00113	.00736	.00542	-.00799	.00103	.00017	-.00090	.00098	.00061	.00510	.00053
#2	-.00007	.01157	.01215	-.01681	.00166	.00009	-.00217	.00120	.00009	.01440	-.00013
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486					.00060			
Low Limit		-.00628	-.00486					-.00060			

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00205**	W **.00378**
Stddev	.00022	.00025
%RSD	10.830	6.5938
#1	.00190	.00395
#2	.00221	.00360
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4130.5**	**61894.**	**4533.8**
Stddev	5.6	14.	4.7
%RSD	.13626	.02300	.10466
#1	4126.6	61904.	4537.1
#2	4134.5	61884.	4530.4

Sample Name: CCVL942742 Acquired: 8/25/2011 14:22:40 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01013**	**.10233**	**.01442**	**.09949**	**.01014**	**.00100**	W **.12509**	**.20556**	**.00533**	**.01022**	**.01006**
Stddev	.00028	.00216	.00454	.00114	.00007	.00004	.00037	.00505	.00025	.00015	.00003
%RSD	2.7233	2.1137	31.487	1.1464	.72418	3.7488	.29521	2.4585	4.6294	1.4514	.28152
#1	.00994	.10386	.01763	.10029	.01020	.00102	.12535	.20914	.00551	.01032	.01004
#2	.01033	.10080	.01121	.09868	.01009	.00097	.12483	.20199	.00516	.01011	.01008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							20.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01588**	**.09963**	**2.9829**	F **.01520**	**.21525**	**.01051**	**.01972**	**1.0045**	**.04147**	**2.8146**	**.01002**
Stddev	.00013	.00036	.0180	.00137	.00176	.00007	.00003	.0097	.00025	.0026	.00075
%RSD	.82448	.35855	.60254	8.9901	.81671	.66101	.15226	.96257	.59240	.09232	7.4811
#1	.01597	.09988	2.9702	.01616	.21401	.01056	.01974	1.0113	.04164	2.8127	.01055
#2	.01579	.09937	2.9956	.01423	.21650	.01046	.01970	.99761	.04130	2.8164	.00949
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00191**	**.01032**	**.01513**	**.48441**	**.09996**	**.01045**	**.01366**	**.01038**	**.01755**	**.06370**	**.00989**
Stddev	.00492	.00280	.00059	.00249	.00083	.00004	.00056	.00015	.00097	.01401	.00030
%RSD	257.17	27.139	3.8877	.51385	.83458	.36717	4.1018	1.4491	5.5058	21.995	2.9980
#1	.00539	.00834	.01471	.48265	.10055	.01048	.01406	.01027	.01687	.05379	.01009
#2	-.00157	.01230	.01554	.48617	.09937	.01043	.01327	.01049	.01824	.07361	.00968
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02267**	**.01719**
Stddev	.00007	.00123
%RSD	.31524	7.1744
#1	.02272	.01632
#2	.02262	.01806
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4148.5**	**61993.**	**4547.0**
Stddev	3.9	95.	16.4
%RSD	.09352	.15259	.36118
#1	4151.2	62060.	4535.4
#2	4145.7	61926.	4558.6

Sample Name: mb 280-82822/1-a Acquired: 8/25/2011 14:25:13 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82822 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00007	.00479	-.00082	.00241	.00099	.00004	.00056	.06988	.00011	-.00011
Stddev	.00016	.00034	.00393	.00026	.00013	.00004	.00023	.00080	.00008	.00004
%RSD	237.50	7.0944	476.18	10.912	12.674	99.863	41.113	1.1389	70.192	40.346
#1	-.00005	.00455	-.00360	.00259	.00090	.00007	.00073	.06932	.00016	-.00008
#2	.00018	.00503	.00195	.00222	.00108	.00001	.00040	.07044	.00006	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00099	.00324	.02587	.03616	.00367	.01275	.00186	.00000	.03842	.00120
Stddev	.00005	.00006	.00158	.00373	.00101	.00146	.00009	.0004	.00286	.00030
%RSD	4.8542	1.9661	6.0916	10.310	27.526	11.484	4.7619	9182.8	7.4476	25.238
#1	.00096	.00319	.02698	.03880	.00438	.01171	.00179	-.00026	.04045	.00099
#2	.00102	.00328	.02475	.03353	.00295	.01379	.00192	.00025	.03640	.00141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00664	-.00075	.03528	.00113	.00042	.01932	.00670	.00031	-.00012	.00085
Stddev	.00541	.00054	.00181	.00121	.00041	.00180	.00058	.00000	.00004	.00008
%RSD	81.577	72.065	5.1393	106.99	99.224	9.3194	8.7127	.64762	32.303	9.6715
#1	.00281	-.00037	.03399	.00027	.00071	.02060	.00628	.00031	-.00009	.00079
#2	.01047	-.00113	.03656	.00198	.00012	.01805	.00711	.00030	-.00014	.00091
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00500									
Low Limit	-.00500									

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00061	.00250	-.00041	W .00681	.00215
Stddev	.00014	.01876	.00004	.00009	.00067
%RSD	22.197	749.37	10.817	1.2990	31.426
#1	.00071	.01577	-.00044	.00675	.00262
#2	.00052	-.01076	-.00038	.00687	.00167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				.00500	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4191.3	62805.	4600.7
Stddev	8.5	77.	6.3
%RSD	.20392	.12318	.13618
#1	4197.4	62751.	4605.2
#2	4185.3	62860.	4596.3

Sample Name: lcs 280-82822/2-a Acquired: 8/25/2011 14:27:48 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82822 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04483**	**1.8124**	**.96605**	**.92650**	**1.9526**	**.04885**	F **2.2237**	**47.582**	**.10043**	**.46946**
Stddev	.00021	.0069	.00100	.00029	.0018	.00020	.0088	.007	.00032	.00067
%RSD	.47601	.37985	.10361	.03104	.09030	.41413	.39561	.01395	.31889	.14370
#1	.04468	1.8076	.96534	.92670	1.9538	.04871	2.2299	47.577	.10020	.46994
#2	.04498	1.8173	.96676	.92630	1.9514	.04900	2.2174	47.587	.10066	.46898
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19083**	**.24741**	**.98565**	**48.838**	**.98202**	**47.877**	**.48477**	**.97864**	**50.119**	**.46980**
Stddev	.00034	.00015	.00578	.137	.00567	.034	.00020	.00104	.334	.00064
%RSD	.17854	.06186	.58654	.28010	.57751	.07104	.04162	.10630	.66633	.13582
#1	.19107	.24752	.98974	48.935	.98603	47.901	.48491	.97937	49.883	.47025
#2	.19058	.24730	.98156	48.741	.97801	47.853	.48462	.97790	50.355	.46935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.4765**	**.47893**	**.14557**	**.47060**	**1.9007**	**2.6341**	**1.9034**	**.98620**	**.94619**	**.97773**
Stddev	.0054	.00029	.00018	.00207	.0022	.0081	.0001	.00141	.00355	.00004
%RSD	.05718	.06037	.12593	.43987	.11593	.30828	.00519	.14343	.37558	.00429
#1	9.4727	.47872	.14544	.46914	1.9023	2.6283	1.9034	.98720	.94870	.97776
#2	9.4804	.47913	.14570	.47207	1.8992	2.6398	1.9035	.98520	.94368	.97770
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8845**	**2.0709**	**.49082**	**.48005**	**.50661**
Stddev	.0074	.0154	.00002	.00055	.00164
%RSD	.39292	.74551	.00438	.11446	.32456
#1	1.8897	2.0819	.49083	.47967	.50777
#2	1.8792	2.0600	.49080	.48044	.50545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4010.9**	**59193.**	**4562.8**
Stddev	1.3	25.	13.6
%RSD	.03163	.04252	.29822
#1	4010.0	59175.	4572.4
#2	4011.8	59210.	4553.2

Sample Name: 280-19449-a-1-a Acquired: 8/25/2011 14:30:08 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82822 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00110**	**68.907**	**.02438**	**.01640**	**.67710**	**.00457**	**.02311**	**49.160**	**.00147**	**.07423**
Stddev	.00021	.119	.00024	.00047	.00243	.00006	.00194	.122	.00011	.00041
%RSD	19.133	.17334	.99081	2.8486	.35816	1.2074	8.4007	.24765	7.5240	.55365
#1	-.00125	68.822	.02455	.01607	.67538	.00453	.02174	49.074	.00155	.07394
#2	-.00095	68.991	.02421	.01673	.67881	.00461	.02448	49.246	.00139	.07452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52028**	**.18204**	**205.70**	**10.266**	**.07040**	**46.035**	**3.1706**	**.00484**	**2.4468**	**.10868**
Stddev	.00173	.00009	.18	.031	.00003	.060	.0036	.00126	.0010	.00037
%RSD	.33287	.05059	.08858	.30353	.04934	.12965	.11271	25.995	.03929	.34325
#1	.52150	.18211	205.58	10.288	.07038	46.077	3.1731	.00395	2.4475	.10842
#2	.51905	.18198	205.83	10.244	.07043	45.992	3.1681	.00572	2.4461	.10895
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.3193**	**.11388**	**.90382**	**-.00140**	**.00748**	**1.2344**	**-.02250**	**.27674**	**.03113**	W **15.539**
Stddev	.0242	.00029	.00113	.00019	.00280	.0236	.00120	.00120	.00083	.076
%RSD	.29068	.25700	.12524	13.665	37.428	1.9099	5.3489	.43437	2.6752	.48684
#1	8.3364	.11409	.90302	-.00126	.00550	1.2510	-.02335	.27589	.03172	15.593
#2	8.3022	.11367	.90462	-.00153	.00946	1.2177	-.02165	.27759	.03054	15.486
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										10.000
Low Limit										-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00829**	**.06917**	**.43545**	**.41842**	**.20265**
Stddev	.00004	.01114	.00206	.00249	.00030
%RSD	.53372	16.100	.47265	.59606	.14792
#1	.00832	.07705	.43400	.42018	.20244
#2	.00826	.06130	.43691	.41665	.20287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4441.9**	**65248.**	**5084.8**
Stddev	10.6	151.	5.6
%RSD	.23795	.23188	.11098
#1	4434.4	65141.	5088.8
#2	4449.4	65355.	5080.8

Sample Name: 280-19449-a-1-aSD@5 Acquired: 8/25/2011 14:32:41 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82822 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00074**	**15.086**	**.00661**	**.00483**	**.14715**	**.00092**	**.00634**	**10.727**	**.00038**	**.01656**
Stddev	.00024	.030	.00058	.00052	.00033	.00007	.00003	.035	.00013	.00005
%RSD	31.708	.20127	8.7592	10.718	.22155	7.3492	.41054	.32303	34.055	.29108
#1	-.00091	15.107	.00620	.00519	.14738	.00097	.00632	10.702	.00029	.01659
#2	-.00058	15.065	.00702	.00446	.14692	.00087	.00636	10.751	.00047	.01652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11378**	**.03899**	**45.234**	**2.2021**	**.01800**	**10.075**	**.69216**	**.00032**	**.47534**	**.02419**
Stddev	.00054	.00047	.158	.0454	.00107	.006	.00044	.00045	.00132	.00032
%RSD	.47814	1.2105	.34916	2.0619	5.9242	.05708	.06427	138.00	.27830	1.3026
#1	.11339	.03866	45.346	2.2342	.01876	10.071	.69185	.00001	.47627	.02396
#2	.11416	.03932	45.123	2.1700	.01725	10.079	.69248	.00064	.47440	.02441
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7951**	**.02362**	**.19455**	**.00036**	**.00094**	**.28450**	**-.00583**	**.06036**	**.00534**	**3.3841**
Stddev	.0067	.00015	.00153	.00042	.00147	.01844	.00015	.00025	.00252	.0004
%RSD	.37623	.62741	.78895	117.43	156.70	6.4823	2.4951	.41894	47.257	.01275
#1	1.7903	.02352	.19346	.00006	-.00010	.29754	-.00572	.06054	.00356	3.3838
#2	1.7999	.02373	.19563	.00066	.00197	.27146	-.00593	.06018	.00713	3.3844
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00366**	**.01903**	**.09355**	**.09211**	**.04714**
Stddev	.00168	.01578	.00068	.00078	.00037
%RSD	45.929	82.913	.72304	.84261	.79509
#1	.00485	.03019	.09307	.09156	.04740
#2	.00247	.00787	.09403	.09266	.04687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4222.9**	**62859.**	**4654.5**
Stddev	4.2	128.	11.6
%RSD	.09866	.20425	.24844
#1	4225.8	62950.	4662.7
#2	4219.9	62768.	4646.4

Sample Name: 280-19449-a-1-b du Acquired: 8/25/2011 14:35:09 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82822 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00084	64.096	.02141	.01379	.67433	.00436	.02817	44.951	.00129	.06864
Stddev	.00044	1.068	.00361	.00042	.01219	.00004	.00112	.730	.00013	.00016
%RSD	53.044	1.6665	16.843	3.0207	1.8078	.92041	3.9867	1.6229	9.9558	.23483
#1	-.00115	63.341	.01886	.01409	.66571	.00439	.02897	44.435	.00138	.06853
#2	-.00052	64.851	.02397	.01350	.68295	.00433	.02738	45.467	.00120	.06875
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.48229	.16451	195.64	9.6793	.06856	41.752	3.0834	.00290	1.9872	.09095
Stddev	.00152	.00112	3.26	.1636	.00171	.209	.0174	.00028	.0345	.00046
%RSD	.31554	.68306	1.6672	1.6901	2.4914	.50069	.56537	9.4915	1.7366	.50488
#1	.48122	.16371	193.33	9.5636	.06736	41.605	3.0711	.00270	1.9628	.09063
#2	.48337	.16530	197.94	9.7949	.06977	41.900	3.0957	.00309	2.0116	.09128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.0514	.10550	.66496	-.00150	-.00137	4.4171	-.02062	.25045	.02131	W 14.929
Stddev	.0138	.00301	.00032	.00097	.00178	.0479	.00078	.00485	.00143	.145
%RSD	.17160	2.8549	.04743	64.269	129.61	1.0839	3.7802	1.9366	6.7208	.97449
#1	8.0416	.10337	.66518	-.00082	-.00263	4.3832	-.02006	.24702	.02233	14.826
#2	8.0612	.10763	.66473	-.00219	-.00011	4.4509	-.02117	.25388	.02030	15.032
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										10.000
Low Limit										-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00531	.06136	.40498	.39545	.19734
Stddev	.00142	.01729	.00129	.00315	.00510
%RSD	26.682	28.183	.31901	.79736	2.5827
#1	.00431	.07359	.40407	.39322	.19373
#2	.00632	.04913	.40590	.39768	.20094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4461.5	65542.	5027.1
Stddev	.7	327.	18.3
%RSD	.01501	.49874	.36412
#1	4461.9	65774.	5040.0
#2	4461.0	65311.	5014.1

Sample Name: 280-19449-a-1-c ms Acquired: 8/25/2011 14:37:42 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82822 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03801**	**90.378**	**.86685**	**.81567**	**2.4424**	**.04812**	**1.9908**	**108.68**	**.09067**	**.48583**
Stddev	.00008	.150	.02035	.01630	.0050	.00002	.0364	.11	.00156	.01012
%RSD	.21365	.16602	2.3477	1.9980	.20654	.03548	1.8297	.10291	1.7237	2.0823
#1	.03807	90.272	.85246	.80414	2.4388	.04811	1.9651	108.60	.08957	.47868
#2	.03795	90.484	.88124	.82719	2.4460	.04813	2.0166	108.75	.09178	.49298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.59900**	**.40288**	**229.30**	**54.447**	**.94793**	**90.453**	**3.7343**	**.84737**	**49.867**	**.50551**
Stddev	.01222	.00588	.48	.002	.00158	1.254	.0454	.01511	.217	.00922
%RSD	2.0405	1.4590	.20851	.00319	.16659	1.3867	1.2161	1.7835	.43558	1.8235
#1	.59036	.40703	228.96	54.446	.94905	91.340	3.7664	.83668	49.713	.49899
#2	.60764	.39872	229.64	54.448	.94682	89.566	3.7022	.85806	50.021	.51203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.590**	**.51185**	**.75593**	**.26930**	**1.6532**	**4.9555**	**1.5736**	**1.2173**	**.83457**	W **19.005**
Stddev	.363	.00757	.01869	.00521	.0241	.0743	.0304	.0028	.01348	.132
%RSD	2.0622	1.4794	2.4727	1.9361	1.4561	1.4993	1.9333	.23166	1.6150	.69604
#1	17.333	.50649	.74271	.26562	1.6361	4.9029	1.5521	1.2153	.84410	19.099
#2	17.846	.51720	.76915	.27299	1.6702	5.0080	1.5951	1.2193	.82504	18.912
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										10.000
Low Limit										-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.5934**	**1.8908**	**.90826**	**.83711**	**.71131**
Stddev	.0281	.0288	.01545	.01165	.00610
%RSD	1.7630	1.5249	1.7009	1.3913	.85731
#1	1.5736	1.9112	.91918	.84534	.70700
#2	1.6133	1.8704	.89733	.82887	.71562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4446.7**	**65743.**	**5120.4**
Stddev	44.5	372.	2.2
%RSD	1.0017	.56570	.04318
#1	4478.2	65480.	5121.9
#2	4415.2	66006.	5118.8

Sample Name: CCVH-940568 Acquired: 8/25/2011 14:40:16 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02201**	**49.050**	**-.00134**	**.00356**	**.00068**	**-.00009**	**.97670**	**.03475**	**-.00104**	**.00206**	**.00051**	**-.00236**	**49.273**
Stddev	.00021	.207	.00063	.00026	.00001	.00004	.00396	.00539	.00001	.00031	.00007	.00005	.405
%RSD	.93323	.42164	47.273	7.3026	.75589	45.883	.40553	15.512	.58824	15.094	13.516	1.9257	.82200
#1	-.02187	48.904	-.00089	.00375	.00067	-.00006	.97950	.03856	-.00103	.00184	.00046	-.00233	48.986
#2	-.02216	49.196	-.00178	.00338	.00068	-.00013	.97390	.03094	-.00104	.00228	.00056	-.00240	49.559
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10469**	**.00560**	**-.09401**	**.00070**	**.00139**	**251.51**	**.00103**	**.00586**	**-.00117**	**4.8825**	**-.00453**	**.02021**	**.01512**
Stddev	.00879	.00153	.00284	.00006	.00092	1.27	.00002	.00007	.00061	.0094	.00317	.00633	.00382
%RSD	8.3932	27.320	3.0181	8.2196	66.152	.50354	2.3283	1.1151	52.266	.19201	69.826	31.336	25.260
#1	.11090	.00668	-.09602	.00075	.00074	250.61	.00105	.00582	-.00073	4.8892	-.00677	.01573	.01242
#2	.09848	.00452	-.09201	.00066	.00204	252.40	.00102	.00591	-.00160	4.8759	-.00230	.02468	.01782
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00241**	**.00065**	**4.8652**	**.01096**	**.00537**	**10.294**	**-.00843**	**.00409**	**.02021**
Stddev	.00027	.00015	.0186	.00093	.00131	.040	.00011	.00005	.00098
%RSD	11.249	22.552	.38189	8.5207	24.428	.38862	1.2661	1.1564	4.8682
#1	.00222	.00075	4.8521	.01030	.00444	10.266	-.00835	.00405	.02091
#2	.00260	.00054	4.8784	.01162	.00629	10.322	-.00851	.00412	.01952
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4007.6**	**58542.**	**4492.5**
Stddev	4.5	21.	12.8
%RSD	.11126	.03627	.28459
#1	4004.4	58557.	4501.5
#2	4010.8	58527.	4483.4

Sample Name: CCV-940591 Acquired: 8/25/2011 14:42:46 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50773**	**.49742**	**.99800**	**.49789**	**.49955**	**.49980**	**.00072**	**4.9259**	**.50379**	**.49102**	**.48912**	**.50868**	**2.5041**
Stddev	.00176	.01577	.00150	.00068	.00016	.00013	.00005	.0086	.00010	.00133	.00087	.00055	.0015
%RSD	.34638	3.1703	.14986	.13565	.03218	.02532	6.6858	.17431	.02061	.27097	.17889	.10754	.06150
#1	.50648	.48627	.99906	.49741	.49944	.49971	.00068	4.9320	.50372	.49008	.48850	.50829	2.5030
#2	.50897	.50857	.99694	.49837	.49966	.49989	.00075	4.9198	.50387	.49196	.48974	.50907	2.5051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.599**	**1.0114**	**20.268**	**.50500**	**.49800**	**5.1206**	**.49495**	**.95674**	**1.0042**	**-.00384**	**.98544**	**.98663**	**4.9085**
Stddev	.172	.0025	.017	.00024	.00013	.0058	.00152	.00536	.0020	.00047	.00015	.00196	.0268
%RSD	.34712	.24397	.08170	.04741	.02629	.11319	.30680	.56045	.19847	12.361	.01505	.19838	.54585
#1	49.477	1.0132	20.280	.50517	.49810	5.1247	.49387	.95295	1.0028	-.00350	.98533	.98524	4.8896
#2	49.721	1.0097	20.257	.50483	.49791	5.1165	.49602	.96053	1.0056	-.00417	.98554	.98801	4.9275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98964**	**.50419**	**.00052**	**.49225**	**.99109**	**.01552**	**.50460**	**.50595**	**.50898**
Stddev	.00123	.00038	.00228	.00028	.00146	.03162	.00162	.00006	.00317
%RSD	.12389	.07605	435.19	.05591	.14778	203.80	.32178	.01122	.62310
#1	.99051	.50392	-.00109	.49244	.99213	.03788	.50345	.50599	.50674
#2	.98878	.50446	.00214	.49205	.99006	-.00684	.50575	.50591	.51122
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4107.9**	**60273.**	**4498.7**
Stddev	12.3	163.	6.7
%RSD	.30061	.27018	.14963
#1	4116.6	60158.	4503.4
#2	4099.2	60388.	4493.9

Sample Name: CCB Acquired: 8/25/2011 14:45:06 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00124**	**.00331**	**.00153**	**.00011**	**-.00007**	**-.00057**	**.00167**	**.00039**	**-.00002**	**.00021**
Stddev	.00074	.00025	.00217	.00046	.00019	.00003	.00080	.00154	.00015	.00003	.00044
%RSD	805.51	19.965	65.575	30.172	174.30	43.576	141.29	92.727	39.731	113.64	209.52
#1	-.00043	-.00141	.00178	.00186	-.00002	-.00005	.00000	.00057	.00028	-.00004	-.00010
#2	.00061	-.00106	.00485	.00120	.00024	-.00009	-.00114	.00276	.00049	.00000	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**-.00252**	**.01474**	W **.00355**	**-.00003**	**.00000**	**.00269**	**-.03685**	**.00030**	**-.00234**	**-.00158**
Stddev	.00010	.00106	.00632	.00039	.00027	.00006	.00071	.00369	.00001	.00148	.00122
%RSD	52.134	42.017	42.885	10.916	836.49	16078.	26.358	10.019	2.0203	63.481	77.025
#1	-.00012	-.00327	.01921	.00327	-.00023	.00004	.00219	-.03946	.00029	-.00129	-.00072
#2	-.00026	-.00177	.01027	.00382	.00016	-.00004	.00319	-.03424	.00030	-.00339	-.00245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	F **.00897**	**.00346**	**.00766**	**.00032**	**.00013**	**-.00132**	**.00053**	**.00120**	**.00052**	**-.00041**
Stddev	.00217	.00022	.00095	.02049	.00096	.00015	.00004	.00023	.00141	.01455	.00004
%RSD	295.97	2.4017	27.525	267.50	301.16	119.03	2.9253	43.143	118.01	2789.6	9.6769
#1	.00226	.00882	.00279	.02215	-.00036	.00002	-.00134	.00037	.00219	.01081	-.00044
#2	-.00080	.00913	.00413	-.00683	.00100	.00024	-.00129	.00069	.00020	-.00976	-.00038
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00146**	W **.00456**
Stddev	.00025	.00417
%RSD	17.418	91.514
#1	.00128	.00161
#2	.00164	.00751
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4142.4**	**61649.**	**4501.6**
Stddev	5.7	1.	4.2
%RSD	.13678	.00116	.09403
#1	4146.4	61649.	4504.6
#2	4138.4	61648.	4498.6

Sample Name: CCVL942742 Acquired: 8/25/2011 14:47:41 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01028**	**.10302**	**.01273**	**.09898**	**.01010**	**.00101**	W **.12933**	**.20378**	**.00554**	**.01048**	**.00996**
Stddev	.00053	.00037	.00335	.00024	.00020	.00002	.00205	.00161	.00003	.00035	.00011
%RSD	5.1494	.35498	26.300	.24550	2.0249	2.1698	1.5853	.79142	.58267	3.2942	1.0949
#1	.01065	.10328	.01036	.09880	.01025	.00103	.12788	.20492	.00556	.01023	.01004
#2	.00990	.10277	.01510	.09915	.00996	.00100	.13078	.20264	.00551	.01072	.00989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							20.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01579**	**.10208**	**2.9982**	F **.01575**	**.21270**	**.01063**	**.01969**	**1.0179**	**.04076**	**2.7943**	**.00824**
Stddev	.00012	.00056	.0065	.00062	.00143	.00005	.00029	.0123	.00021	.0073	.00079
%RSD	.74244	.54947	.21521	3.9352	.67037	.44533	1.4893	1.2098	.52107	.25972	9.5708
#1	.01587	.10168	2.9937	.01531	.21370	.01066	.01948	1.0092	.04061	2.7994	.00880
#2	.01570	.10248	3.0028	.01619	.21169	.01059	.01990	1.0266	.04091	2.7892	.00769
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00256**	**.00986**	**.01216**	**.47123**	**.09998**	**.01041**	**.01299**	**.01006**	W **.01831**	**.06853**	**.00967**
Stddev	.00204	.00130	.00096	.00187	.00005	.00001	.00034	.00004	.00080	.03258	.00069
%RSD	79.832	13.231	7.8597	.39624	.05425	.12964	2.6332	.36102	4.3644	47.543	7.1548
#1	.00400	.01078	.01283	.46991	.10001	.01042	.01323	.01003	.01775	.09157	.00918
#2	.00111	.00894	.01148	.47255	.09994	.01040	.01275	.01008	.01888	.04549	.01016
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
Value									.01500		
Range									20.000%		

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02243**	W **.01900**
Stddev	.00015	.00082
%RSD	.64908	4.3386
#1	.02233	.01958
#2	.02253	.01842
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4219.4**	**62375.**	**4575.7**
Stddev	.5	114.	15.3
%RSD	.01101	.18242	.33458
#1	4219.7	62456.	4564.8
#2	4219.0	62295.	4586.5

Sample Name: mb 280-82682/1-a Acquired: 8/25/2011 14:50:12 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL 6010B BO

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00539**	**.00006**	**.00211**	**.00009**	**.00003**	**.00164**	**.04481**	**.00013**	**-.00015**
Stddev	.00005	.00114	.00157	.00027	.00023	.00013	.00300	.00071	.00001	.00001
%RSD	58.531	21.078	2483.1	13.054	264.43	452.20	183.58	1.5894	7.2963	7.0603
#1	-.00005	.00619	-.00105	.00230	.00025	.00012	-.00049	.04431	.00013	-.00014
#2	-.00011	.00458	.00117	.00191	-.00008	-.00006	.00376	.04532	.00014	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00118**	**.02545**	**.02225**	W **.00682**	**.00438**	**.00125**	**-.00009**	**.02943**	**.00026**
Stddev	.00008	.00003	.00168	.01143	.00230	.00073	.00002	.00011	.01830	.00017
%RSD	17.689	2.9375	6.6094	51.387	33.699	16.593	1.5123	124.98	62.183	65.250
#1	.00038	.00116	.02426	.01417	.00520	.00387	.00124	-.00017	.01649	.00014
#2	.00049	.00121	.02664	.03034	.00845	.00490	.00127	-.00001	.04237	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00500					
Low Limit					-.00500					

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00334**	**-.00013**	**.03562**	**-.00053**	**.00048**	**.01453**	**.00679**	**.00038**	**-.00205**	**.00086**
Stddev	.00154	.00110	.00083	.00117	.00195	.00948	.00027	.00000	.00285	.00001
%RSD	46.079	866.87	2.3318	220.77	406.37	65.243	3.9467	.74614	138.54	.94839
#1	.00443	.00065	.03621	.00030	.00186	.00783	.00697	.00038	-.00407	.00085
#2	.00225	-.00090	.03503	-.00136	-.00090	.02123	.00660	.00038	-.00004	.00086
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**-.01012**	**-.00022**	**.00315**	**.00385**
Stddev	.00094	.04904	.00006	.00062	.00171
%RSD	197.92	484.48	27.735	19.842	44.296
#1	-.00019	.02456	-.00026	.00271	.00265
#2	.00114	-.04480	-.00018	.00359	.00506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4222.6**	**63658.**	**4651.7**
Stddev	1.0	522.	1.7
%RSD	.02313	.81978	.03723
#1	4221.9	64027.	4650.5
#2	4223.3	63289.	4653.0

Sample Name: lcs 280-82682/2-a Acquired: 8/25/2011 14:52:48 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL 6010B BO

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04655**	**1.8821**	**.99715**	**.94912**	**2.0024**	**.04993**	F **2.2672**	**48.617**	**.10329**	**.47998**
Stddev	.00045	.0159	.00248	.00074	.0052	.00027	.0058	.074	.00024	.00112
%RSD	.97158	.84517	.24836	.07789	.26085	.53724	.25582	.15263	.23669	.23331
#1	.04623	1.8934	.99540	.94860	1.9988	.04974	2.2713	48.565	.10346	.48077
#2	.04687	1.8709	.99890	.94965	2.0061	.05012	2.2631	48.670	.10312	.47919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19430**	**.25345**	**1.0169**	**50.219**	**1.0193**	**49.483**	**.49838**	**1.0039**	**51.373**	**.48037**
Stddev	.00029	.00098	.0021	.158	.0014	.200	.00188	.0008	.278	.00025
%RSD	.14955	.38854	.20217	.31441	.13895	.40468	.37655	.07646	.54070	.05221
#1	.19450	.25275	1.0184	50.108	1.0183	49.341	.49706	1.0034	51.570	.48020
#2	.19409	.25414	1.0155	50.331	1.0203	49.625	.49971	1.0045	51.177	.48055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7382**	**.49020**	**.02486**	**.48820**	**1.9628**	**1.3354**	**1.9576**	**1.0143**	**.96590**	**.99901**
Stddev	.0070	.00149	.00325	.00072	.0036	.0007	.0001	.0029	.00188	.00154
%RSD	.07201	.30370	13.084	.14739	.18287	.05449	.00573	.28179	.19463	.15446
#1	9.7432	.49125	.02716	.48871	1.9653	1.3349	1.9576	1.0123	.96723	.99792
#2	9.7333	.48915	.02256	.48769	1.9602	1.3359	1.9575	1.0163	.96457	1.0001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9265**	**2.1506**	**.50600**	**.49745**	**.51382**
Stddev	.0028	.0279	.00304	.00294	.00540
%RSD	.14333	1.2975	.60177	.59185	1.0501
#1	1.9285	2.1308	.50384	.49537	.51000
#2	1.9246	2.1703	.50815	.49953	.51763
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3992.9**	**58550.**	**4502.3**
Stddev	9.3	211.	6.9
%RSD	.23255	.36033	.15362
#1	3986.3	58699.	4507.2
#2	3999.5	58400.	4497.4

Sample Name: 280-19413-a-3-a Acquired: 8/25/2011 14:55:06 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL 6010B BO

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00111**	**117.75**	**.13234**	**.02860**	**.26803**	**.00535**	W **-.01334**	**10.221**	**.00953**	**.03107**
Stddev	.00030	.28	.00030	.00083	.00054	.00001	.00192	.015	.00015	.00018
%RSD	26.788	.24035	.22578	2.9107	.20267	.09501	14.412	.14225	1.6054	.56644
#1	-.00132	117.55	.13255	.02801	.26764	.00535	-.01470	10.211	.00942	.03095
#2	-.00090	117.95	.13213	.02919	.26841	.00534	-.01198	10.231	.00964	.03120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							3.0000			
Low Limit							-.01000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17594**	**.10241**	**418.20**	**21.673**	**.26195**	**31.682**	**1.3977**	**.00736**	**1.7918**	**.09190**
Stddev	.00025	.00014	1.32	.106	.00008	.028	.0009	.00142	.0199	.00061
%RSD	.14074	.13819	.31568	.48885	.03035	.08989	.06660	19.303	1.1096	.66124
#1	.17612	.10231	417.26	21.598	.26200	31.702	1.3970	.00636	1.8059	.09233
#2	.17577	.10251	419.13	21.748	.26189	31.661	1.3984	.00837	1.7777	.09147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1718**	**.36514**	**6.0215**	W **-.01508**	**.01221**	**2.3253**	**.00923**	**.04636**	**.06970**	**6.4561**
Stddev	.0067	.00035	.0177	.00065	.00064	.0001	.00065	.00002	.00039	.0062
%RSD	.31031	.09552	.29366	4.3353	5.2343	.00399	7.0766	.04385	.55790	.09668
#1	2.1670	.36490	6.0340	-.01554	.01176	2.3253	.00876	.04634	.06998	6.4517
#2	2.1765	.36539	6.0090	-.01462	.01266	2.3252	.00969	.04637	.06943	6.4605
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				2.0000						
Low Limit				-.01000						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00421**	**.27737**	**.28026**	**7.9387**	**.02615**
Stddev	.00003	.00003	.00079	.0061	.00062
%RSD	.72489	.01050	.28226	.07710	2.3795
#1	.00419	.27739	.28082	7.9430	.02659
#2	.00423	.27735	.27970	7.9344	.02571
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4347.4**	**62635.**	**4952.1**
Stddev	2.9	220.	4.8
%RSD	.06701	.35102	.09767
#1	4345.3	62480.	4955.5
#2	4349.5	62791.	4948.7

Sample Name: 280-19413-a-3-aSD@5 Acquired: 8/25/2011 14:57:35 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL 6010B BO

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00071**	**25.594**	**.02735**	**.00763**	**.05822**	**.00115**	**-.00114**	**2.2330**	**.00216**	**.00690**
Stddev	.00045	.109	.00219	.00001	.00037	.00010	.00056	.0041	.00015	.00001
%RSD	64.221	.42762	8.0133	.17751	.63433	8.9679	48.641	.18224	6.9214	.21216
#1	-.00103	25.516	.02890	.00764	.05849	.00123	-.00075	2.2302	.00226	.00691
#2	-.00038	25.671	.02580	.00762	.05796	.00108	-.00153	2.2359	.00205	.00689
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03772**	**.02151**	**91.440**	**4.5765**	**.06156**	**6.8769**	**.29825**	**.00039**	**.34797**	**.01990**
Stddev	.00004	.00045	.138	.0793	.00169	.0079	.00031	.00005	.00383	.00026
%RSD	.11632	2.0866	.15092	1.7334	2.7513	.11435	.10523	12.157	1.0993	1.2976
#1	.03775	.02182	91.342	4.5204	.06037	6.8714	.29802	.00043	.35068	.01972
#2	.03769	.02119	91.538	4.6326	.06276	6.8825	.29847	.00036	.34527	.02008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45495**	**.08005**	**1.2594**	**-.00289**	**.00277**	**.51018**	**.00128**	**.01019**	**.01233**	**1.3502**
Stddev	.00521	.00093	.0018	.00113	.00345	.01194	.00040	.00007	.00043	.0042
%RSD	1.1457	1.1606	.14526	39.051	124.91	2.3395	31.616	.65524	3.4596	.30803
#1	.45864	.08071	1.2607	-.00368	.00032	.50174	.00099	.01014	.01203	1.3473
#2	.45127	.07939	1.2581	-.00209	.00521	.51862	.00156	.01024	.01264	1.3531
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.06105**	**.05833**	**1.7068**	**.00944**
Stddev	.00032	.00955	.00043	.0033	.00028
%RSD	44.068	15.645	.73451	.19299	2.9949
#1	.00050	.05429	.05864	1.7045	.00963
#2	.00095	.06780	.05803	1.7091	.00924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4199.1**	**61421.**	**4605.4**
Stddev	.9	78.	5.6
%RSD	.02057	.12731	.12248
#1	4198.5	61476.	4609.4
#2	4199.7	61365.	4601.4

Sample Name: 280-19413-a-3-b ms Acquired: 8/25/2011 15:00:05 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL 6010B BO

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04089**	**169.68**	**1.0025**	**.82293**	**2.0853**	**.05025**	**1.9221**	**54.787**	**.10068**	**.43804**
Stddev	.00090	1.49	.0030	.00158	.0187	.00050	.0044	.452	.00008	.00020
%RSD	2.1932	.88058	.29569	.19190	.89658	1.0039	.23020	.82504	.08412	.04613
#1	.04026	168.62	1.0046	.82181	2.0721	.04989	1.9190	54.468	.10074	.43790
#2	.04152	170.74	1.0004	.82405	2.0985	.05060	1.9253	55.107	.10062	.43819
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36799**	**.34231**	**449.32**	**69.892**	**1.2001**	**79.663**	**2.1853**	**.83215**	**49.241**	**.51085**
Stddev	.00008	.00019	3.01	.499	.0110	.118	.0034	.00103	.130	.00077
%RSD	.02288	.05405	.66951	.71343	.91438	.14806	.15623	.12333	.26418	.15124
#1	.36805	.34244	447.20	69.540	1.1924	79.746	2.1877	.83287	49.149	.51031
#2	.36793	.34218	451.45	70.245	1.2079	79.579	2.1829	.83142	49.333	.51140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.512**	**.72640**	**6.3890**	**.14069**	**1.6684**	**5.9560**	**1.5935**	**.94479**	**.92166**	**9.0123**
Stddev	.014	.00021	.0202	.00072	.0016	.0029	.0012	.00742	.00120	.0087
%RSD	.13709	.02879	.31664	.51178	.09718	.04815	.07399	.78537	.13015	.09688
#1	10.502	.72626	6.3746	.14018	1.6673	5.9581	1.5926	.93954	.92251	9.0185
#2	10.523	.72655	6.4033	.14120	1.6696	5.9540	1.5943	.95004	.92082	9.0061
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.5649**	**2.1305**	**.77287**	W **10.794**	**.48681**
Stddev	.0018	.0146	.00218	.019	.00524
%RSD	.11613	.68660	.28157	.17187	1.0757
#1	1.5662	2.1409	.77441	10.807	.48311
#2	1.5637	2.1202	.77133	10.781	.49051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4315.4**	**61500.**	**4924.6**
Stddev	2.6	17.	4.2
%RSD	.06047	.02718	.08522
#1	4313.5	61488.	4921.7
#2	4317.2	61512.	4927.6

Sample Name: 280-19413-a-3-c msd Acquired: 8/25/2011 15:02:27 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL 6010B BO

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04343**	**187.07**	**1.0431**	**.87883**	**2.2378**	**.05314**	**2.0718**	**57.496**	**.10347**	**.47151**
Stddev	.00079	.43	.0037	.00020	.0051	.00023	.0032	.135	.00018	.00017
%RSD	1.8097	.23225	.35292	.02263	.22957	.43180	.15198	.23485	.17689	.03662
#1	.04399	186.77	1.0457	.87898	2.2342	.05298	2.0696	57.400	.10360	.47139
#2	.04288	187.38	1.0405	.87869	2.2414	.05330	2.0741	57.591	.10335	.47163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39973**	**.36256**	**441.38**	**75.720**	**1.2987**	**86.280**	**2.3252**	**.88355**	**52.059**	**.54827**
Stddev	.00047	.00095	1.39	.228	.0009	.177	.0030	.00078	.049	.00004
%RSD	.11785	.26108	.31571	.30154	.07182	.20565	.12711	.08839	.09324	.00679
#1	.40006	.36189	440.40	75.559	1.2993	86.154	2.3231	.88411	52.025	.54829
#2	.39939	.36323	442.37	75.882	1.2980	86.405	2.3272	.88300	52.094	.54824
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.912**	**.69238**	**5.3861**	**.14817**	**1.7832**	**5.8464**	**1.6551**	**1.0090**	**.99330**	**9.8613**
Stddev	.012	.00243	.0109	.00105	.0076	.0438	.0027	.0019	.00457	.0262
%RSD	.10934	.35077	.20275	.70743	.42835	.74983	.15990	.18804	.46022	.26522
#1	10.903	.69410	5.3938	.14743	1.7886	5.8154	1.6570	1.0076	.99007	9.8428
#2	10.920	.69066	5.3783	.14891	1.7778	5.8774	1.6532	1.0103	.99653	9.8798
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.6863**	**2.2233**	**.83054**	W **10.517**	**.51373**
Stddev	.0013	.0185	.00057	.025	.00269
%RSD	.07469	.82998	.06841	.23500	.52320
#1	1.6854	2.2103	.83014	10.499	.51183
#2	1.6872	2.2363	.83095	10.534	.51563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4313.0**	**62036.**	**4992.5**
Stddev	10.8	29.	.7
%RSD	.24983	.04677	.01451
#1	4320.6	62015.	4993.1
#2	4305.4	62056.	4992.0

Sample Name: CCVH-940568 Acquired: 8/25/2011 15:04:49 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02322**	**48.793**	**-.00307**	**.00433**	**.00048**	**-.00020**	**.97135**	**.03095**	**-.00107**	**.00205**	**.00021**	**-.00269**	**49.011**
Stddev	.00058	.108	.00264	.00061	.00086	.00005	.00644	.00080	.00013	.00030	.00010	.00013	.243
%RSD	2.5022	.22036	85.918	14.021	179.00	23.339	.66284	2.5926	12.063	14.734	47.308	4.9918	.49534
#1	-.02281	48.717	-.00493	.00476	.00109	-.00017	.96680	.03151	-.00098	.00184	.00014	-.00259	48.840
#2	-.02363	48.869	-.00120	.00390	-.00013	-.00023	.97591	.03038	-.00116	.00226	.00027	-.00278	49.183
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11383**	**.01092**	**-.09159**	**.00078**	**.00220**	**253.00**	**.00125**	**.00601**	**-.00187**	**4.8959**	**-.00887**	**.02104**	**.02602**
Stddev	.03496	.00011	.00189	.00000	.00158	.08	.00012	.00246	.00115	.0146	.00020	.00248	.00883
%RSD	30.710	1.0127	2.0620	.40937	71.985	.03150	9.9475	40.873	61.569	.29849	2.2719	11.785	33.941
#1	.08911	.01084	-.09025	.00078	.00108	252.95	.00116	.00427	-.00269	4.9062	-.00873	.01928	.03227
#2	.13854	.01100	-.09292	.00077	.00332	253.06	.00134	.00775	-.00106	4.8855	-.00902	.02279	.01978
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00298**	**.00062**	**4.8297**	**.00751**	**.00646**	**10.315**	**-.00885**	**.00477**	**.02300**
Stddev	.00213	.00008	.0098	.00041	.00171	.014	.00033	.00016	.00236
%RSD	71.605	12.635	.20348	5.4449	26.431	.13346	3.7193	3.3043	10.283
#1	.00147	.00068	4.8228	.00722	.00526	10.305	-.00908	.00488	.02467
#2	.00448	.00057	4.8367	.00780	.00767	10.325	-.00862	.00466	.02132
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4048.1**	**58697.**	**4507.7**
Stddev	.5	3.	5.0
%RSD	.01116	.00479	.11047
#1	4048.5	58699.	4504.2
#2	4047.8	58695.	4511.2

Sample Name: CCV-940591 Acquired: 8/25/2011 15:07:20 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51217**	**.49596**	**.99955**	**.50104**	**.50030**	**.49918**	**.00518**	**4.9024**	**.50570**	**.48920**	**.48794**	**.51194**	**2.4910**
Stddev	.00002	.00731	.00087	.00029	.00084	.00019	.00198	.0002	.00056	.00019	.00021	.00063	.0080
%RSD	.00429	1.4735	.08750	.05886	.16733	.03874	38.177	.00347	.11087	.03965	.04230	.12241	.32287
#1	.51219	.49079	.99893	.50083	.49971	.49932	.00378	4.9023	.50530	.48934	.48808	.51239	2.4853
#2	.51215	.50113	1.0002	.50124	.50089	.49905	.00658	4.9025	.50609	.48906	.48779	.51150	2.4967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.576**	**1.0146**	**20.252**	**.50529**	**.49924**	**5.1445**	**.49406**	**.95397**	**1.0058**	**.00103**	**.98870**	**.99530**	**4.8578**
Stddev	.049	.0000	.011	.00031	.00059	.0163	.00087	.00261	.0009	.00182	.00053	.00331	.0097
%RSD	.09943	.00236	.05222	.06117	.11876	.31705	.17548	.27369	.08777	176.15	.05330	.33258	.19880
#1	49.611	1.0146	20.260	.50507	.49966	5.1560	.49467	.95212	1.0052	-.00025	.98907	.99764	4.8646
#2	49.541	1.0146	20.245	.50551	.49882	5.1330	.49344	.95581	1.0065	.00231	.98833	.99296	4.8510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98815**	**.50556**	**.00014**	**.49064**	**.99207**	**-.00164**	**.50668**	**.50307**	**.50727**
Stddev	.00117	.00043	.00270	.00078	.00021	.00370	.00089	.00161	.00234
%RSD	.11889	.08585	1984.0	.15964	.02070	226.53	.17649	.31974	.46076
#1	.98898	.50525	.00205	.49119	.99221	-.00425	.50731	.50420	.50893
#2	.98732	.50586	-.00177	.49008	.99192	.00098	.50605	.50193	.50562
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4157.3**	**60934.**	**4559.9**
Stddev	3.0	100.	22.9
%RSD	.07157	.16379	.50242
#1	4155.2	60863.	4543.7
#2	4159.4	61004.	4576.1

Sample Name: CCB Acquired: 8/25/2011 15:09:42 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00027**	**.00139**	W **.00228**	**-.00002**	**.00001**	**.00029**	**.00160**	**.00023**	**-.00015**	**.00023**
Stddev	.00063	.00066	.00160	.00048	.00012	.00008	.00058	.00301	.00027	.00014	.00019
%RSD	1135.9	245.54	115.00	21.208	616.55	1101.4	201.63	188.65	114.86	94.105	83.060
#1	.00039	-.00073	.00026	.00263	.00006	-.00005	.00069	.00373	.00004	-.00025	.00010
#2	-.00050	.00020	.00252	.00194	-.00010	.00006	-.00012	-.00053	.00043	-.00005	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00065**	**-.00062**	**.00484**	F **.00534**	**.00010**	**-.00005**	**.00293**	**-.02737**	**-.00002**	**-.00199**	**-.00153**
Stddev	.00000	.00079	.01471	.00142	.00142	.00004	.00132	.01573	.00002	.00183	.00089
%RSD	.09329	127.32	304.26	26.605	1451.1	90.670	44.851	57.466	123.40	92.419	58.311
#1	-.00065	-.00118	.01524	.00434	.00110	-.00008	.00200	-.03850	.00000	-.00328	-.00090
#2	-.00065	-.00006	-.00557	.00635	-.00091	-.00002	.00387	-.01625	-.00004	-.00069	-.00216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00522							
Low Limit				-.00522							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00273**	F **.00836**	**.00191**	**.00358**	**.00002**	**.00005**	**.00109**	W **.00062**	**.00030**	**-.03881**	**-.00010**
Stddev	.00144	.00073	.00027	.00517	.00041	.00000	.00159	.00046	.00055	.03180	.00016
%RSD	52.798	8.6958	13.863	144.40	1787.3	5.2613	145.60	74.643	185.23	81.943	166.89
#1	.00375	.00785	.00210	.00723	-.00027	.00005	.00221	.00029	-.00009	-.06129	.00002
#2	.00171	.00888	.00173	-.00008	.00031	.00005	-.00003	.00094	.00069	-.01632	-.00021
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628						.00060			
Low Limit		-.00628						-.00060			

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00165**	F **.00499**
Stddev	.00018	.00068
%RSD	11.208	13.528
#1	.00178	.00547
#2	.00152	.00452
Check ?	Chk Pass	Chk Fail
High Limit		.00476
Low Limit		-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4205.6**	**62613.**	**4578.5**
Stddev	2.9	129.	2.4
%RSD	.06938	.20608	.05221
#1	4207.7	62704.	4580.2
#2	4203.6	62522.	4576.8

Sample Name: CCVL942742 Acquired: 8/25/2011 15:12:17 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00957**	**.09978**	**.01615**	**.09934**	**.01047**	**.00097**	F **.13107**	**.20369**	**.00522**	**.01033**	**.00992**
Stddev	.00035	.00129	.00396	.00068	.00001	.00006	.00120	.00004	.00001	.00013	.00012
%RSD	3.6119	1.2973	24.499	.68110	.09534	6.5168	.91619	.02045	.17117	1.2626	1.1824
#1	.00932	.10069	.01335	.09982	.01047	.00102	.13022	.20366	.00521	.01024	.01000
#2	.00981	.09886	.01895	.09886	.01048	.00093	.13191	.20372	.00523	.01043	.00984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01551**	**.10121**	**3.0092**	F **.01509**	**.21354**	**.01056**	**.01990**	**1.0308**	**.04087**	**2.7757**	**.00852**
Stddev	.00019	.00234	.0119	.00009	.00071	.00003	.00013	.0029	.00063	.0139	.00066
%RSD	1.2464	2.3099	.39520	.59890	.33189	.29650	.63905	.28260	1.5406	.49944	7.7044
#1	.01537	.09956	3.0008	.01502	.21404	.01058	.01981	1.0329	.04043	2.7659	.00899
#2	.01564	.10286	3.0176	.01515	.21304	.01054	.01999	1.0287	.04132	2.7855	.00806
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00578**	**.01128**	**.01455**	**.49048**	**.09892**	**.01042**	**.01310**	**.01025**	**.01790**	**.05071**	**.00958**
Stddev	.00472	.00404	.00040	.00914	.00083	.00001	.00059	.00016	.00109	.02068	.00033
%RSD	81.788	35.823	2.7506	1.8629	.84397	.12284	4.5191	1.5261	6.0972	40.774	3.4203
#1	.00912	.00842	.01426	.48402	.09951	.01043	.01352	.01036	.01713	.06533	.00935
#2	.00244	.01414	.01483	.49694	.09833	.01041	.01268	.01014	.01868	.03609	.00982
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02263**	W **.01865**
Stddev	.00020	.00124
%RSD	.89472	6.6508
#1	.02277	.01777
#2	.02248	.01952
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4264.3**	**63345.**	**4601.3**
Stddev	17.4	42.	4.4
%RSD	.40698	.06702	.09510
#1	4276.6	63375.	4598.2
#2	4252.0	63315.	4604.4

Sample Name: 280-19406-b-3-e Acquired: 8/25/2011 15:14:49 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL 6010B BO

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00094**	**72.421**	F **-.34054**	**.04644**	**.64788**	**.00604**	F **-.08672**	**8.8868**	**.00259**	**.08421**
Stddev	.00005	.406	.13393	.01311	.00368	.00022	.02261	.0702	.00016	.00635
%RSD	4.9659	.56017	39.328	28.220	.56847	3.6940	26.075	.78938	6.0496	7.5463
#1	-.00091	72.134	-.24583	.03717	.64527	.00588	-.07073	8.8372	.00270	.07971
#2	-.00098	72.708	-.43524	.05571	.65048	.00620	-.10271	8.9364	.00248	.08870
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000				100.00			
Low Limit			-.02000				-.02000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09428**	**.09871**	**162.83**	**10.408**	**.10422**	**15.947**	**2.7829**	**.00869**	**1.0278**	**.11283**
Stddev	.00226	.00059	.56	.303	.00393	.019	.0069	.00340	.0164	.00087
%RSD	2.3979	.59529	.34662	2.9132	3.7733	.11840	.24824	39.135	1.5907	.76847
#1	.09588	.09913	162.43	10.194	.10144	15.933	2.7781	.00628	1.0162	.11345
#2	.09268	.09830	163.23	10.622	.10700	15.960	2.7878	.01109	1.0393	.11222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1712**	**.06023**	**1.5334**	F **-.12365**	**-.00293**	**3.7647**	**.05304**	**.09878**	**.03901**	**.85156**
Stddev	.0356	.01332	.5402	.04972	.01984	.0199	.01602	.00035	.00119	.00082
%RSD	1.6416	22.108	35.231	40.211	678.00	.52832	30.204	.35519	3.0596	.09606
#1	2.1964	.06964	1.1514	-.08849	-.01696	3.7788	.04171	.09853	.03986	.85214
#2	2.1460	.05081	1.9154	-.15881	.01110	3.7507	.06437	.09903	.03817	.85098
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				50.000						
Low Limit				-.02000						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.04691**	**.03440**	**.05735**	**.38504**	**.06413**
Stddev	.01884	.03461	.00138	.00376	.00621
%RSD	40.157	100.62	2.4123	.97596	9.6793
#1	.03359	.00992	.05833	.38238	.06852
#2	.06023	.05887	.05638	.38769	.05974
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3951.2**	**59582.**	**4657.3**
Stddev	40.9	627.	96.5
%RSD	1.0342	1.0527	2.0714
#1	3980.0	60026.	4725.5
#2	3922.3	59139.	4589.1

Sample Name: 280-19406-b-4-c Acquired: 8/25/2011 15:17:07 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL 6010B BO

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00143	61.979	.02659	.02297	.39341	.00484	-.00796	8.2169	.00165	.06571
Stddev	.00003	.080	.00487	.00055	.00037	.00006	.00105	.0104	.00001	.00003
%RSD	2.2647	.12987	18.317	2.3727	.09463	1.2904	13.148	.12709	.56860	.04659
#1	-.00145	62.036	.02315	.02258	.39368	.00488	-.00722	8.2243	.00164	.06573
#2	-.00141	61.922	.03004	.02336	.39315	.00479	-.00870	8.2095	.00165	.06568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11611	.10388	136.78	10.790	.10242	16.595	2.0122	.00694	.82108	.13305
Stddev	.00009	.00030	.44	.063	.00011	.001	.0008	.00004	.00824	.00032
%RSD	.07344	.28523	.32037	.58680	.10744	.00829	.03785	.51471	1.0031	.24395
#1	.11617	.10367	137.09	10.835	.10249	16.596	2.0117	.00691	.82690	.13328
#2	.11605	.10409	136.47	10.746	.10234	16.594	2.0127	.00696	.81525	.13282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.8064	.07631	2.9554	-.00265	.00202	2.9866	.00409	.07297	.03642	.78847
Stddev	.0072	.00166	.0059	.00099	.00051	.0635	.00042	.00022	.00113	.00193
%RSD	.39748	2.1754	.19972	37.459	25.292	2.1279	10.291	.29891	3.1019	.24537
#1	1.8115	.07514	2.9596	-.00195	.00238	3.0316	.00439	.07313	.03722	.78983
#2	1.8013	.07749	2.9512	-.00336	.00166	2.9417	.00379	.07282	.03562	.78710
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00073	.00806	.08108	.42644	.06512
Stddev	.00082	.02119	.00001	.00132	.00072
%RSD	113.47	263.06	.01804	.30968	1.0981
#1	.00014	-.00693	.08107	.42738	.06462
#2	.00131	.02304	.08109	.42551	.06563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4373.5	63806.	4892.2
Stddev	11.4	30.	4.1
%RSD	.26082	.04633	.08422
#1	4365.4	63785.	4889.2
#2	4381.5	63827.	4895.1

Sample Name: 280-19406-b-5-c Acquired: 8/25/2011 15:19:33 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL 6010B BO

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00114**	**67.645**	**.06183**	**.01341**	**.48198**	**.00597**	**-.00181**	**9.3410**	**.00204**	**.08327**
Stddev	.00007	.172	.00180	.00014	.00183	.00012	.00019	.0469	.00019	.00015
%RSD	6.2738	.25417	2.9065	1.0638	.37944	1.9494	10.511	.50173	9.0949	.18051
#1	-.00109	67.524	.06056	.01331	.48069	.00605	-.00195	9.3079	.00217	.08337
#2	-.00119	67.767	.06310	.01352	.48327	.00589	-.00168	9.3742	.00191	.08316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11140**	**.10112**	**74.914**	**9.8814**	**.09892**	**16.282**	**.52582**	**.00571**	**.66488**	**.13437**
Stddev	.00023	.00005	.336	.0737	.00117	.003	.00038	.00009	.00835	.00001
%RSD	.20254	.05009	.44882	.74581	1.1851	.01638	.07211	1.5905	1.2559	.00957
#1	.11124	.10116	74.677	9.8292	.09975	16.280	.52609	.00577	.65898	.13437
#2	.11156	.10108	75.152	9.9335	.09810	16.284	.52556	.00565	.67079	.13436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98247**	**.08619**	**10.660**	**-.00463**	**.01330**	**3.6061**	**.00372**	**.08591**	**.05677**	**.94799**
Stddev	.00181	.00046	.003	.00184	.00317	.0688	.00060	.00056	.00063	.00833
%RSD	.18416	.53452	.03126	39.725	23.825	1.9065	16.020	.65397	1.1048	.87818
#1	.98375	.08586	10.658	-.00333	.01106	3.6547	.00414	.08551	.05633	.95387
#2	.98119	.08651	10.662	-.00592	.01554	3.5575	.00330	.08630	.05722	.94210
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	W **-.08844**	**.16332**	**.38859**	**.07390**
Stddev	.00128	.01649	.00025	.00051	.00001
%RSD	250.29	18.645	.15323	.13031	.01299
#1	-.00039	-.10010	.16314	.38824	.07389
#2	.00142	-.07678	.16350	.38895	.07391
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4469.6**	**64476.**	**5007.9**
Stddev	7.2	124.	32.1
%RSD	.16132	.19226	.64161
#1	4474.7	64389.	5030.6
#2	4464.5	64564.	4985.2

Sample Name: 280-19406-b-6-c Acquired: 8/25/2011 15:21:59 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL 6010B BO

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k -.00028	39.613	k .04988	.00814	k .29139	k .00392	kF -.04246	17.940	k .00176	k .06120
Stddev	.00006	.186	.00169	.00061	.00083	.00006	.00049	.046	.00003	.00049
%RSD	19.968	.46829	3.3936	7.5305	.28383	1.6515	1.1530	.25620	1.5486	.80299
#1	k -.00024	39.482	k .05108	.00771	k .29080	k .00397	k -.04212	17.907	k .00175	k .06154
#2	k -.00032	39.744	k .04869	.00857	k .29197	k .00388	k -.04281	17.972	k .00178	k .06085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							100.00			
Low Limit							-.02000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07858	k .12752	k 473.05	5.4381	.05961	k 12.414	W 19.756	.00340	.75259	.11976
Stddev	.00025	.00063	.98	.0184	.00267	.005	.053	.00026	.00920	.00072
%RSD	.31682	.49117	.20681	.33749	4.4828	.04188	.26749	7.5168	1.2219	.59930
#1	.07876	k .12708	k 472.36	5.4251	.05772	k 12.410	19.793	.00322	.74609	.11925
#2	.07840	k .12796	k 473.74	5.4511	.06150	k 12.418	19.719	.00358	.75909	.12027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							10.000			
Low Limit							-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.9327	k .07881	6.1676	kF -.02047	k .00612	1.7779	k .00350	.05637	k .41366	k .46036
Stddev	.0238	.00012	.0126	.00215	.00077	.0003	.00072	.00006	.00170	.00156
%RSD	.29982	.15006	.20436	10.492	12.600	.01932	20.599	.10137	.40976	.33879
#1	7.9495	k .07873	6.1766	k -.01895	k .00667	1.7782	k .00401	.05633	k .41486	k .45926
#2	7.9159	k .07889	6.1587	k -.02199	k .00558	1.7777	k .00299	.05642	k .41246	k .46147
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				50.000						
Low Limit				-.02000						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k .00691	k .16148	^ *****	.36954	k .02649
Stddev	.00205	.00312	-----	.00004	.00358
%RSD	29.654	1.9309	-----	.01013	13.515
#1	k .00546	k .16368	^ -----	.36957	k .02396
#2	k .00835	k .15927	^ -----	.36951	k .02902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4391.1	63362.	4893.8
Stddev	11.2	442.	15.4
%RSD	.25534	.69688	.31518
#1	4383.2	63049.	4904.8
#2	4399.0	63674.	4882.9

Sample Name: 280-19406-b-7-c Acquired: 8/25/2011 15:24:36 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL 6010B BO

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00216**	**87.368**	**.02339**	**.01479**	**.63155**	**.00698**	**-.00070**	**12.910**	**.00176**	**.07670**
Stddev	.00031	.066	.00050	.00084	.00048	.00002	.00071	.016	.00010	.00008
%RSD	14.257	.07591	2.1463	5.6506	.07585	.28387	101.39	.12099	5.5411	.10198
#1	-.00194	87.321	.02375	.01538	.63121	.00697	-.00020	12.899	.00169	.07664
#2	-.00238	87.415	.02304	.01420	.63188	.00700	-.00120	12.922	.00183	.07675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12953**	**.13056**	**85.885**	**11.399**	**.13165**	**20.937**	**.62315**	**.00309**	**.48777**	**.15511**
Stddev	.00039	.00001	.237	.020	.00412	.022	.00084	.00004	.02064	.00003
%RSD	.29849	.01088	.27578	.17701	3.1281	.10275	.13456	1.3680	4.2309	.02158
#1	.12980	.13057	85.718	11.385	.13456	20.953	.62375	.00312	.50237	.15509
#2	.12925	.13055	86.053	11.414	.12873	20.922	.62256	.00306	.47318	.15514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95086**	**.10301**	**7.9821**	**-.00299**	**.01174**	**4.0461**	**.00378**	**.11272**	**.05550**	**1.0374**
Stddev	.00223	.00214	.0005	.00003	.00388	.0093	.00124	.00004	.00212	.0031
%RSD	.23501	2.0730	.00647	.92243	33.088	.22994	32.881	.03782	3.8120	.29860
#1	.95244	.10451	7.9825	-.00297	.00899	4.0526	.00290	.11269	.05699	1.0396
#2	.94928	.10150	7.9817	-.00301	.01448	4.0395	.00466	.11275	.05400	1.0352
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00074**	W **-.07054**	**.17320**	**.49248**	**.07944**
Stddev	.00250	.00959	.00143	.00220	.00055
%RSD	338.35	13.603	.82383	.44710	.69249
#1	-.00250	-.06375	.17421	.49404	.07983
#2	.00103	-.07732	.17219	.49093	.07905
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4513.9**	**64930.**	**5084.9**
Stddev	2.7	94.	9.4
%RSD	.05989	.14488	.18397
#1	4515.9	64997.	5091.5
#2	4512.0	64864.	5078.3

Sample Name: 280-19406-b-8-c Acquired: 8/25/2011 15:27:07 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL 6010B BO

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00000**	**23.529**	k **.04169**	**.00413**	**1.3795**	k **.00263**	kW **-.01986**	**5.5977**	k **.00123**	k **.04985**
Stddev	.00014	.123	.00074	.00017	.0042	.00008	.00006	.0309	.00010	.00004
%RSD	12366.	.52105	1.7784	4.1235	.30097	3.0731	.28867	.55250	7.9379	.08616
#1	k -.00010	23.442	k .04221	.00425	1.3766	k .00257	k -.01990	5.5758	k .00130	k .04988
#2	k .00010	23.616	k .04116	.00401	1.3825	k .00268	k -.01982	5.6195	k .00116	k .04982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							3.0000			
Low Limit							-.01000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.04517**	k **.04988**	k **208.06**	**3.8651**	**.02902**	k **4.7345**	F **30.397**	**.00339**	**.33732**	**.06049**
Stddev	.00002	.00013	.88	.0187	.00110	.0057	.009	.00033	.01111	.00038
%RSD	.05194	.25488	.42411	.48421	3.7991	.12083	.02922	9.7651	3.2951	.62081
#1	k .04515	k .04979	k 207.44	3.8519	.02824	k 4.7305	30.403	.00315	.34518	.06022
#2	k .04519	k .04997	k 208.69	3.8784	.02980	k 4.7386	30.390	.00362	.32946	.06075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							20.000			
Low Limit							-.02000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6510**	k **.05242**	**.16422**	kW **-.01024**	k **.00160**	**2.3235**	k **.00390**	**.09579**	k **.18563**	k **.33910**
Stddev	.0047	.00084	.00005	.00076	.00251	.0271	.00016	.00013	.00074	.00195
%RSD	.17737	1.6091	.03069	7.4422	157.03	1.1641	4.1713	.13207	.40071	.57415
#1	2.6477	k .05182	.16418	k -.01078	k .00337	2.3044	k .00401	.09570	k .18615	k .33773
#2	2.6543	k .05301	.16425	k -.00971	k -.00018	2.3427	k .00378	.09588	k .18510	k .34048
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				2.0000						
Low Limit				-.01000						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **.01404**	kF **-.11914**	^ *****	k **.19712**	k **.02122**
Stddev	.00194	.00874	-----	.00004	.00179
%RSD	13.832	7.3332	-----	.02007	8.4334
#1	k .01541	k -.12532	^ -----	k .19715	k .02249
#2	k .01266	k -.11297	^ -----	k .19709	k .01996
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000			
Low Limit		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4292.2**	**62725.**	**4728.9**
Stddev	.3	17.	34.0
%RSD	.00603	.02764	.71886
#1	4292.4	62712.	4752.9
#2	4292.0	62737.	4704.9

Sample Name: 280-19413-a-3-b ms Acquired: 8/25/2011 15:29:41 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL 6010B BO

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04280**	**172.69**	**1.0356**	**.84825**	**2.1380**	**.05105**	**1.9894**	**55.668**	**.10359**	**.45172**
Stddev	.00083	.75	.0013	.00037	.0064	.00002	.0011	.134	.00002	.00116
%RSD	1.9313	.43188	.12782	.04406	.29926	.04511	.05334	.24014	.02367	.25760
#1	.04221	172.16	1.0366	.84798	2.1335	.05107	1.9902	55.574	.10361	.45254
#2	.04338	173.21	1.0347	.84851	2.1426	.05104	1.9887	55.763	.10357	.45090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38249**	**.35276**	**458.96**	**71.342**	**1.2242**	**81.574**	**2.2462**	**.85473**	**49.849**	**.52558**
Stddev	.00039	.00062	1.44	.262	.0091	.185	.0042	.00192	.191	.00002
%RSD	.10266	.17537	.31340	.36725	.74620	.22732	.18801	.22409	.38336	.00351
#1	.38277	.35232	457.94	71.157	1.2177	81.443	2.2432	.85609	49.714	.52559
#2	.38221	.35320	459.97	71.528	1.2306	81.705	2.2492	.85338	49.984	.52556
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.780**	**.74695**	**6.5477**	**.14378**	**1.7213**	**6.0433**	**1.6319**	**.96840**	**.94179**	**9.2401**
Stddev	.019	.00154	.0111	.00187	.0010	.0139	.0016	.00362	.00090	.0151
%RSD	.17414	.20645	.16910	1.3032	.05989	.22930	.10034	.37334	.09505	.16330
#1	10.793	.74586	6.5555	.14245	1.7220	6.0531	1.6307	.96584	.94115	9.2294
#2	10.766	.74804	6.5399	.14510	1.7206	6.0335	1.6330	.97096	.94242	9.2508
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.6318**	**2.1956**	**.79750**	W **11.049**	**.49512**
Stddev	.0002	.0348	.00205	.016	.00447
%RSD	.01242	1.5851	.25761	.14757	.90298
#1	1.6319	2.1710	.79605	11.038	.49196
#2	1.6316	2.2202	.79896	11.061	.49828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4248.6**	**60855.**	**4890.4**
Stddev	3.2	40.	28.7
%RSD	.07586	.06652	.58608
#1	4246.3	60884.	4910.6
#2	4250.9	60826.	4870.1

Sample Name: 280-19413-a-3-c msd Acquired: 8/25/2011 15:32:03 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82682 SOIL 6010B BO

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04384**	**190.79**	**1.0618**	**.89712**	**2.2931**	**.05430**	**2.1193**	**58.626**	**.10543**	**.47998**
Stddev	.00006	.18	.0003	.00039	.0040	.00009	.0007	.099	.00018	.00060
%RSD	.12847	.09203	.02510	.04338	.17216	.16016	.03394	.16936	.16751	.12469
#1	.04388	190.67	1.0616	.89740	2.2903	.05424	2.1198	58.556	.10556	.47956
#2	.04380	190.92	1.0620	.89684	2.2959	.05437	2.1188	58.697	.10531	.48040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40904**	**.37121**	**450.49**	**77.272**	**1.3216**	**87.832**	**2.3822**	**.90967**	**53.454**	**.55953**
Stddev	.00006	.00056	.54	.071	.0004	.012	.0005	.00214	.084	.00126
%RSD	.01350	.14952	.11964	.09179	.03227	.01327	.01961	.23540	.15785	.22592
#1	.40900	.37160	450.11	77.221	1.3213	87.824	2.3825	.91118	53.514	.55864
#2	.40908	.37081	450.87	77.322	1.3219	87.841	2.3819	.90815	53.394	.56042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.116**	**.71079**	**5.5053**	**.15381**	**1.8202**	**6.0753**	**1.6936**	**1.0346**	**1.0150**	W **10.040**
Stddev	.003	.00085	.0022	.00038	.0027	.0881	.0003	.0017	.0006	.005
%RSD	.02332	.11982	.03933	.24883	.15043	1.4497	.01468	.16347	.06385	.04846
#1	11.114	.71139	5.5068	.15354	1.8221	6.0130	1.6938	1.0334	1.0155	10.037
#2	11.118	.71019	5.5038	.15408	1.8183	6.1375	1.6934	1.0358	1.0146	10.043
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										10.000
Low Limit										-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.7164**	**2.2802**	**.84645**	W **10.727**	**.52928**
Stddev	.0008	.0101	.00127	.004	.00382
%RSD	.04801	.44124	.15022	.03496	.72087
#1	1.7158	2.2731	.84735	10.724	.52658
#2	1.7170	2.2873	.84555	10.729	.53198
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				10.000	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4275.0**	**61163.**	**4890.8**
Stddev	4.3	3.	3.2
%RSD	.09980	.00485	.06488
#1	4272.0	61165.	4888.5
#2	4278.0	61161.	4893.0

Sample Name: CCVH-940568 Acquired: 8/25/2011 15:34:25 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02317**	**50.134**	**-.00323**	**.00375**	**.00098**	**-.00013**	**.99733**	**.03355**	**-.00112**	**.00216**	**.00001**	**-.00328**	**50.621**
Stddev	.00022	.115	.00292	.00035	.00045	.00005	.00246	.00145	.00018	.00004	.00031	.00013	.309
%RSD	.94336	.22991	90.217	9.4387	45.953	36.659	.24670	4.3339	15.662	2.0673	3584.8	4.0265	.61136
#1	-.02301	50.052	-.00117	.00400	.00130	-.00017	.99559	.03458	-.00099	.00219	-.00021	-.00319	50.402
#2	-.02332	50.215	-.00529	.00350	.00066	-.00010	.99907	.03252	-.00124	.00213	.00023	-.00337	50.840
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15653**	**.00427**	**-.09110**	**.00094**	**.00170**	**260.41**	**.00130**	**.00422**	**.00041**	**5.0272**	**-.00861**	**.02317**	**.03653**
Stddev	.05680	.00008	.00199	.00006	.00117	.38	.00011	.00215	.00012	.0250	.00316	.00350	.00248
%RSD	36.290	1.7616	2.1883	6.6560	68.386	.14616	8.3011	50.902	29.236	.49803	36.676	15.120	6.7893
#1	.19670	.00433	-.08969	.00098	.00088	260.15	.00123	.00573	.00032	5.0449	-.00638	.02069	.03828
#2	.11636	.00422	-.09251	.00089	.00253	260.68	.00138	.00270	.00049	5.0095	-.01084	.02565	.03478
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00228**	**.00071**	**4.9577**	**.00800**	**.00516**	**10.576**	**-.00924**	**.00465**	**.02280**
Stddev	.00039	.00003	.0052	.00034	.00099	.084	.00021	.00014	.00356
%RSD	16.867	3.9640	.10413	4.2331	19.106	.79100	2.2655	2.9176	15.632
#1	.00201	.00073	4.9614	.00824	.00586	10.635	-.00910	.00475	.02028
#2	.00256	.00069	4.9541	.00776	.00446	10.517	-.00939	.00456	.02532
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3983.3**	**57940.**	**4417.2**
Stddev	.1	69.	28.7
%RSD	.00365	.11854	.65023
#1	3983.2	57988.	4437.5
#2	3983.4	57891.	4396.9

Sample Name: CCV-940591 Acquired: 8/25/2011 15:36:55 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52302**	**.50686**	**1.0206**	**.51432**	**.51431**	**.51115**	**.00374**	**5.0298**	**.51817**	**.49974**	**.50040**	**.52417**	**2.5678**
Stddev	.00086	.00175	.0036	.00006	.00061	.00036	.00405	.0025	.00140	.00009	.00106	.00001	.0018
%RSD	.16405	.34597	.34753	.01226	.11897	.07085	108.36	.04997	.27011	.01829	.21219	.00197	.06844
#1	.52362	.50562	1.0181	.51428	.51474	.51140	.00660	5.0316	.51718	.49968	.50115	.52416	2.5666
#2	.52241	.50810	1.0231	.51437	.51388	.51089	.00087	5.0280	.51916	.49981	.49965	.52418	2.5690
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.662**	**1.0307**	**20.778**	**.52071**	**.51412**	**5.2875**	**.50696**	**.97274**	**1.0349**	**-.00337**	**1.0167**	**1.0188**	**5.0088**
Stddev	.048	.0013	.020	.00013	.00005	.0166	.00043	.00114	.0012	.00550	.0006	.0010	.0120
%RSD	.09381	.12840	.09498	.02588	.01062	.31445	.08491	.11719	.11302	162.88	.05432	.09875	.24032
#1	50.696	1.0298	20.764	.52080	.51409	5.2993	.50726	.97355	1.0341	.00051	1.0171	1.0181	5.0173
#2	50.628	1.0317	20.792	.52061	.51416	5.2758	.50665	.97194	1.0358	-.00726	1.0163	1.0195	5.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0153**	**.51962**	**-.00229**	**.50284**	**1.0113**	**.01301**	**.52003**	**.51896**	**.52332**
Stddev	.0004	.00022	.00150	.00024	.0006	.06557	.00003	.00016	.00176
%RSD	.04285	.04276	65.319	.04677	.05591	504.09	.00635	.03118	.33621
#1	1.0156	.51978	-.00123	.50267	1.0117	-.03336	.52006	.51908	.52456
#2	1.0150	.51947	-.00335	.50300	1.0109	.05937	.52001	.51885	.52208
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4053.0**	**58997.**	**4417.9**
Stddev	4.9	128.	6.9
%RSD	.12182	.21629	.15649
#1	4049.6	59087.	4422.8
#2	4056.5	58907.	4413.0

Sample Name: CCB Acquired: 8/25/2011 15:39:16 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00016**	**.00150**	W **.00172**	**.00032**	**.00006**	**.00147**	**.00786**	**.00027**	**-.00007**	**-.00001**
Stddev	.00002	.00082	.00087	.00015	.00017	.00002	.00156	.00539	.00015	.00043	.00007
%RSD	44.861	517.34	58.060	8.7696	54.445	28.155	105.85	68.544	56.712	608.56	673.70
#1	-.00004	-.00042	.00088	.00183	.00044	.00004	.00037	.00405	.00016	-.00037	-.00006
#2	-.00007	.00074	.00211	.00161	.00020	.00007	.00257	.01167	.00037	.00023	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00107**	**.02537**	W **.00457**	**-.00009**	**-.00002**	**.00287**	**-.04324**	**.00022**	**-.00065**	**-.00121**
Stddev	.00015	.00043	.05480	.00085	.00046	.00005	.00062	.01932	.00037	.00235	.00020
%RSD	124.78	40.222	215.99	18.526	489.24	286.27	21.545	44.695	166.95	359.23	16.127
#1	.00022	.00077	.06412	.00517	-.00042	.00002	.00243	-.05690	-.00004	-.00231	-.00135
#2	.00001	.00138	-.01338	.00397	.00023	-.00005	.00330	-.02957	.00048	.00101	-.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00097**	F **.00914**	W **.00662**	**.00416**	**.00141**	**.00018**	**-.00166**	**.00043**	**-.00006**	**.01879**	**-.00003**
Stddev	.00150	.00426	.00377	.01194	.00058	.00002	.00198	.00043	.00157	.02453	.00015
%RSD	154.12	46.555	56.897	286.78	41.537	10.518	119.63	101.06	2702.7	130.58	446.71
#1	-.00203	.00613	.00928	-.00428	.00099	.00019	-.00306	.00012	.00105	.03613	-.00014
#2	.00009	.01215	.00396	.01261	.00182	.00017	-.00026	.00073	-.00117	.00144	.00007
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00188**	**.00236**
Stddev	.00004	.00071
%RSD	2.1053	30.020
#1	.00185	.00186
#2	.00190	.00286
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4074.2**	**60348.**	**4383.4**
Stddev	10.7	31.	.1
%RSD	.26315	.05100	.00262
#1	4081.8	60370.	4383.5
#2	4066.6	60327.	4383.3

Sample Name: CCVL942742 Acquired: 8/25/2011 15:41:51 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01034**	**.10582**	**.01642**	**.10275**	**.01064**	**.00095**	F **.13324**	**.21312**	**.00576**	**.01069**	**.01026**
Stddev	.00001	.00167	.00148	.00035	.00015	.00009	.00170	.00011	.00020	.00029	.00005
%RSD	.09146	1.5741	9.0092	.34382	1.3778	9.3630	1.2760	.04929	3.4558	2.7279	.45075
#1	.01035	.10465	.01746	.10300	.01053	.00102	.13204	.21320	.00590	.01090	.01023
#2	.01033	.10700	.01537	.10250	.01074	.00089	.13445	.21305	.00562	.01049	.01029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01615**	**.10371**	**3.0238**	F **.01654**	**.21839**	**.01090**	**.02025**	**1.0675**	**.04230**	**2.8566**	**.00829**
Stddev	.00049	.00143	.0219	.00156	.00092	.00008	.00013	.0067	.00004	.0121	.00297
%RSD	3.0147	1.3743	.72490	9.4166	.42270	.70416	.66478	.62645	.09617	.42257	35.785
#1	.01650	.10472	3.0083	.01544	.21904	.01085	.02035	1.0627	.04233	2.8651	.00619
#2	.01581	.10271	3.0393	.01764	.21773	.01096	.02016	1.0722	.04227	2.8481	.01039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00181**	**.01140**	**.01397**	**.50185**	**.10246**	**.01074**	**.01371**	**.01023**	W **.01827**	**.05821**	**.01012**
Stddev	.00445	.00002	.00044	.00653	.00019	.00008	.00208	.00039	.00011	.04072	.00035
%RSD	245.47	.14085	3.1530	1.3010	.18490	.74809	15.200	3.8347	.59834	69.957	3.4802
#1	-.00133	.01139	.01366	.50647	.10233	.01068	.01224	.00995	.01819	.08700	.01037
#2	.00496	.01141	.01428	.49724	.10260	.01079	.01519	.01051	.01834	.02941	.00987
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
Value									.01500		
Range									20.000%		

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02276**	W **.01899**
Stddev	.00002	.00004
%RSD	.09919	.19078
#1	.02275	.01902
#2	.02278	.01897
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4131.1**	**61296.**	**4427.5**
Stddev	1.5	57.	18.9
%RSD	.03660	.09359	.42781
#1	4132.2	61337.	4414.1
#2	4130.0	61256.	4440.9

Sample Name: MB 280-82687/1-A Acquired: 8/25/2011 15:44:24 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82687 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00132**	**-.00217**	**.00150**	**.00019**	**-.00004**	**.00272**	**.00352**	**.00034**	**-.00012**
Stddev	.00039	.00008	.00093	.00022	.00045	.00002	.00292	.00002	.00021	.00014
%RSD	985.95	6.1543	42.740	14.665	238.54	45.695	107.14	.56050	60.834	117.61
#1	.00032	.00126	-.00151	.00135	.00050	-.00003	.00066	.00353	.00049	-.00021
#2	-.00024	.00138	-.00282	.00166	-.00013	-.00006	.00478	.00350	.00020	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00015**	**-.00313**	**.00365**	W **.00528**	**-.00103**	**.00010**	**.00024**	**-.02709**	**.00009**
Stddev	.00006	.00004	.00127	.00639	.00114	.00080	.00007	.00025	.00148	.00001
%RSD	92.707	27.575	40.572	174.97	21.666	78.021	72.981	103.88	5.4538	7.7121
#1	-.00002	.00012	-.00223	.00818	.00448	-.00159	.00005	.00006	-.02814	.00009
#2	-.00010	.00018	-.00402	-.00087	.00609	-.00046	.00014	.00042	-.02605	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00500					
Low Limit					-.00500					

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00342**	**-.00154**	**.00153**	**-.00152**	**-.00384**	**-.01020**	**-.00030**	**.00013**	**-.00077**	**.00040**
Stddev	.00000	.00080	.00206	.00063	.00220	.01500	.00018	.00003	.00034	.00006
%RSD	.00217	51.963	134.82	41.223	57.295	147.01	59.570	22.025	44.527	13.853
#1	-.00342	-.00211	.00299	-.00196	-.00540	-.02081	-.00018	.00015	-.00052	.00036
#2	-.00342	-.00097	.00007	-.00108	-.00229	.00040	-.00043	.00011	-.00101	.00044
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**-.00513**	**.00038**	**.00112**	**.00426**
Stddev	.00004	.00011	.00077	.00028	.00020
%RSD	11.088	2.1650	204.02	24.914	4.7950
#1	.00029	-.00521	-.00017	.00092	.00440
#2	.00034	-.00505	.00093	.00132	.00411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4126.7**	**61221.**	**4455.0**
Stddev	.2	58.	10.1
%RSD	.00390	.09482	.22642
#1	4126.8	61180.	4447.9
#2	4126.6	61262.	4462.2

Sample Name: LCS 280-82687/2-A Acquired: 8/25/2011 15:47:01 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82687 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04775**	**1.8669**	**1.0134**	**.98563**	**2.0439**	**.05069**	F **2.3279**	**49.322**	**.10509**	**.48697**
Stddev	.00027	.0268	.0017	.00241	.0081	.00019	.0126	.143	.00021	.00170
%RSD	.56116	1.4342	.17144	.24458	.39853	.37808	.54107	.28976	.20079	.34813
#1	.04756	1.8858	1.0122	.98393	2.0497	.05083	2.3369	49.423	.10494	.48817
#2	.04794	1.8479	1.0146	.98734	2.0382	.05056	2.3190	49.221	.10524	.48577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19936**	**.25552**	**1.0044**	**50.954**	**1.0237**	**50.407**	**.50704**	**1.0219**	**52.469**	**.48913**
Stddev	.00052	.00001	.0012	.194	.0003	.033	.00086	.0027	.302	.00182
%RSD	.26179	.00279	.12278	.38036	.03202	.06614	.17050	.26415	.57524	.37223
#1	.19973	.25552	1.0052	51.091	1.0240	50.430	.50765	1.0238	52.683	.49041
#2	.19899	.25553	1.0035	50.817	1.0235	50.383	.50643	1.0200	52.256	.48784
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8357**	**.49783**	**-.00374**	**.50882**	**2.0192**	**9.8074**	**1.9947**	**1.0354**	**.99440**	**1.0145**
Stddev	.0396	.00106	.00029	.00338	.0009	.0000	.0027	.0047	.00135	.0007
%RSD	.40235	.21256	7.6807	.66396	.04262	.00014	.13712	.45387	.13545	.07002
#1	9.8637	.49858	-.00395	.51121	2.0186	9.8074	1.9966	1.0388	.99345	1.0140
#2	9.8077	.49708	-.00354	.50644	2.0198	9.8075	1.9927	1.0321	.99535	1.0150
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9787**	**2.1341**	**.51548**	**.50504**	**.52949**
Stddev	.0055	.0221	.00020	.00078	.00367
%RSD	.27548	1.0336	.03862	.15526	.69233
#1	1.9826	2.1185	.51562	.50449	.53209
#2	1.9748	2.1497	.51534	.50560	.52690
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3949.5**	**57655.**	**4392.5**
Stddev	18.1	69.	13.9
%RSD	.45838	.11929	.31731
#1	3936.7	57703.	4382.6
#2	3962.3	57606.	4402.3

Sample Name: 280-19406-D-1-A Acquired: 8/25/2011 15:49:21 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82687 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**22.617**	**.05070**	**.19235**	**.58865**	**.00219**	**.00359**	**132.43**	**.00095**	**.03010**
Stddev	.00003	.031	.00428	.00062	.00059	.00005	.00030	.01	.00025	.00015
%RSD	17.941	.13492	8.4370	.32197	.10053	2.4220	8.4274	.00621	26.207	.49553
#1	-.00016	22.596	.05373	.19191	.58823	.00223	.00338	132.44	.00078	.02999
#2	-.00021	22.639	.04768	.19279	.58906	.00215	.00381	132.43	.00113	.03020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04542**	**.05161**	**32.138**	**5.6979**	**.03669**	**43.302**	**1.1052**	**.01990**	**44.704**	**.04795**
Stddev	.00008	.00053	.077	.0238	.00051	.036	.0009	.00110	.354	.00023
%RSD	.18262	1.0326	.23839	.41835	1.4007	.08391	.08264	5.5436	.79146	.48574
#1	.04536	.05199	32.084	5.7148	.03633	43.276	1.1045	.01912	44.954	.04811
#2	.04548	.05123	32.192	5.6811	.03705	43.327	1.1058	.02068	44.453	.04778
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31690**	**.04041**	**14.228**	**-.00032**	**.01126**	**32.139**	**.00114**	**.64890**	**.00990**	**.26553**
Stddev	.00027	.00127	.010	.00054	.00341	.034	.00057	.00050	.00113	.00033
%RSD	.08586	3.1545	.07123	166.56	30.277	.10529	50.318	.07772	11.375	.12535
#1	.31670	.03951	14.221	-.00071	.00885	32.115	.00073	.64854	.00910	.26530
#2	.31709	.04132	14.235	.00006	.01366	32.163	.00154	.64926	.01070	.26577
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00360**	**.01923**	**.03413**	**.19466**	**.00885**
Stddev	.00094	.01023	.00010	.00116	.00009
%RSD	26.221	53.217	.29764	.59507	.97480
#1	.00293	.01199	.03406	.19384	.00879
#2	.00426	.02646	.03420	.19548	.00891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4029.0**	**58251.**	**4587.4**
Stddev	1.6	113.	9.4
%RSD	.03994	.19449	.20460
#1	4030.1	58332.	4580.8
#2	4027.8	58171.	4594.0

Sample Name: 280-19406-D-1-Asd@5 Acquired: 8/25/2011 15:51:48 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82687 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00015	4.7025	.00729	.04017	.12239	.00050	.00020	27.453	.00026	.00589
Stddev	.00011	.0093	.00149	.00068	.00057	.00004	.00091	.079	.00009	.00032
%RSD	73.578	.19796	20.455	1.7023	.46898	7.0792	449.31	.28859	32.904	5.4391
#1	.00007	4.7091	.00623	.04065	.12280	.00052	.00085	27.509	.00033	.00612
#2	.00022	4.6959	.00834	.03968	.12199	.00047	-.00044	27.397	.00020	.00566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00940	.01076	6.8008	1.1386	.01119	9.0223	.22828	.00370	W 9.1195	.00984
Stddev	.00010	.00049	.0174	.0163	.00266	.0226	.00028	.00052	.0248	.00013
%RSD	1.0297	4.6007	.25554	1.4319	23.757	.24999	.12194	14.108	.27221	1.3507
#1	.00947	.01041	6.8131	1.1271	.01307	9.0063	.22809	.00333	9.1371	.00975
#2	.00933	.01111	6.7885	1.1501	.00931	9.0382	.22848	.00407	9.1020	.00994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									9.0000	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06268	.00877	2.8580	.00088	.00134	6.7067	.00012	.13473	.00096	.05506
Stddev	.00356	.00170	.0138	.00022	.00023	.0040	.00098	.00065	.00230	.00055
%RSD	5.6736	19.400	.48115	24.844	16.918	.06017	838.85	.48139	240.70	1.0031
#1	.06017	.00997	2.8677	.00073	.00150	6.7096	-.00058	.13519	-.00067	.05467
#2	.06520	.00757	2.8483	.00104	.00118	6.7039	.00081	.13427	.00259	.05545
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00060	-.00595	.00647	.04315	.00534
Stddev	.00043	.00848	.00036	.00014	.00360
%RSD	71.914	142.38	5.5790	.32903	67.391
#1	.00030	-.01195	.00622	.04305	.00280
#2	.00091	.00004	.00673	.04325	.00789
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4055.5	59306.	4407.7
Stddev	1.2	.	13.7
%RSD	.02875	.00037	.31100
#1	4054.7	59307.	4398.0
#2	4056.4	59306.	4417.4

Sample Name: 280-19406-D-1-B MS Acquired: 8/25/2011 15:54:19 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82687 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04769**	**47.301**	**1.0611**	**1.1582**	**2.6455**	**.05238**	**2.2594**	**180.96**	**.10473**	**.49618**
Stddev	.00006	.073	.0002	.0003	.0027	.00025	.0010	.39	.00006	.00113
%RSD	.13036	.15342	.02088	.02284	.10311	.48175	.04380	.21300	.05419	.22734
#1	.04764	47.249	1.0612	1.1580	2.6436	.05220	2.2587	180.69	.10469	.49698
#2	.04773	47.352	1.0609	1.1584	2.6474	.05256	2.2601	181.23	.10477	.49538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25153**	**.30726**	**36.537**	**59.815**	**1.0743**	**93.743**	**1.6184**	**1.0144**	**96.763**	**.52629**
Stddev	.00081	.00009	.060	.049	.0004	.064	.0022	.0020	.180	.00062
%RSD	.32398	.02900	.16409	.08144	.03839	.06836	.13295	.20094	.18599	.11848
#1	.25210	.30720	36.495	59.781	1.0746	93.698	1.6169	1.0158	96.636	.52673
#2	.25095	.30732	36.580	59.850	1.0740	93.788	1.6199	1.0129	96.890	.52585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9456**	**.52372**	**14.467**	**.43969**	**1.9754**	W **61.796**	**1.8892**	**1.7033**	**.99384**	**1.3382**
Stddev	.0282	.00178	.008	.00414	.0080	.072	.0001	.0029	.00135	.0003
%RSD	.28361	.33973	.05788	.94092	.40618	.11640	.00461	.16793	.13593	.02135
#1	9.9655	.52498	14.473	.44262	1.9811	61.847	1.8891	1.7013	.99289	1.3384
#2	9.9256	.52246	14.461	.43677	1.9697	61.746	1.8893	1.7053	.99480	1.3380
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						50.000				
Low Limit						-.10000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8420**	**2.1402**	**.56215**	**.70020**	**.54730**
Stddev	.0015	.0193	.00013	.00083	.00439
%RSD	.08051	.90086	.02251	.11896	.80231
#1	1.8430	2.1266	.56224	.70079	.54420
#2	1.8409	2.1538	.56206	.69961	.55041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3937.0**	**56677.**	**4476.4**
Stddev	9.8	48.	9.7
%RSD	.24840	.08532	.21644
#1	3930.0	56712.	4483.2
#2	3943.9	56643.	4469.5

Sample Name: 280-19406-D-1-C MSD Acquired: 8/25/2011 15:56:35 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82687 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04788**	**46.870**	**1.0675**	**1.1770**	**2.6677**	**.05296**	**2.3037**	**184.08**	**.10614**	**.50244**
Stddev	.00028	.076	.0003	.0003	.0029	.00004	.0095	.06	.00030	.00087
%RSD	.58216	.16143	.02385	.02225	.11066	.06841	.41031	.03150	.28378	.17386
#1	.04768	46.924	1.0673	1.1768	2.6698	.05294	2.3103	184.12	.10635	.50306
#2	.04808	46.817	1.0676	1.1772	2.6656	.05299	2.2970	184.04	.10593	.50182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25377**	**.31013**	**36.637**	**60.040**	**1.0690**	**93.960**	**1.6217**	**1.0306**	**97.550**	**.53143**
Stddev	.00044	.00063	.082	.110	.0009	.038	.0005	.0007	.209	.00022
%RSD	.17308	.20250	.22460	.18378	.08709	.04091	.02972	.06427	.21397	.04058
#1	.25408	.30968	36.695	60.118	1.0696	93.933	1.6214	1.0311	97.697	.53158
#2	.25346	.31057	36.578	59.962	1.0683	93.987	1.6221	1.0301	97.402	.53128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.024**	**.53003**	**14.617**	**.45141**	**2.0069**	W **66.322**	**1.9176**	**1.7173**	**1.0040**	**1.3449**
Stddev	.008	.00007	.001	.00066	.0022	.152	.0041	.0019	.0013	.0018
%RSD	.07604	.01413	.00817	.14584	.10795	.22878	.21167	.11025	.12907	.13513
#1	10.029	.52998	14.618	.45095	2.0084	66.429	1.9205	1.7187	1.0031	1.3462
#2	10.018	.53008	14.617	.45188	2.0053	66.215	1.9148	1.7160	1.0049	1.3436
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						50.000				
Low Limit						-.10000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8723**	**2.1533**	**.56321**	**.69885**	**.55675**
Stddev	.0019	.0464	.00154	.00027	.00549
%RSD	.10139	2.1559	.27334	.03800	.98527
#1	1.8736	2.1861	.56212	.69904	.56063
#2	1.8710	2.1204	.56430	.69867	.55287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3957.2**	**57398.**	**4529.4**
Stddev	.7	188.	12.3
%RSD	.01685	.32812	.27231
#1	3956.7	57531.	4520.7
#2	3957.7	57264.	4538.1

Sample Name: 280-19406-D-2-A Acquired: 8/25/2011 15:58:52 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82687 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**1.0149**	**.01050**	**.12937**	**.29441**	**.00002**	**-.00016**	**151.63**	**.00014**	**.00601**
Stddev	.00007	.0114	.00121	.00041	.00080	.00004	.00157	.26	.00022	.00004
%RSD	29.406	1.1277	11.511	.31390	.27056	200.61	958.47	.16834	155.39	.61412
#1	.00018	1.0068	.00965	.12966	.29497	-.00001	-.00127	151.81	.00030	.00598
#2	.00028	1.0230	.01135	.12908	.29385	.00005	.00094	151.45	-.00001	.00604
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00253**	**.00293**	**6.6069**	**2.3143**	**.01055**	**30.592**	**.61861**	**.00683**	**65.642**	**.00989**
Stddev	.00025	.00051	.0123	.0149	.00322	.032	.00022	.00145	.249	.00058
%RSD	9.8947	17.561	.18651	.64155	30.525	.10467	.03598	21.163	.37878	5.8627
#1	.00235	.00329	6.6156	2.3038	.00827	30.614	.61877	.00581	65.818	.00948
#2	.00270	.00256	6.5982	2.3248	.01282	30.569	.61846	.00785	65.466	.01030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14413**	**.00120**	**12.365**	**.00008**	**.01137**	**8.3557**	**.00079**	**.59382**	**-.00022**	**.02376**
Stddev	.00124	.00167	.009	.00082	.00357	.0505	.00044	.00079	.00274	.00026
%RSD	.85838	138.71	.06970	1035.3	31.431	.60440	55.526	.13266	1220.1	1.0762
#1	.14325	.00238	12.359	-.00050	.00884	8.3199	.00048	.59438	-.00216	.02358
#2	.14500	.00002	12.371	.00066	.01390	8.3914	.00110	.59326	.00171	.02394
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00239**	**-.01805**	W **-.01463**	**.02709**	**.00287**
Stddev	.00081	.00580	.00014	.00001	.00078
%RSD	33.904	32.100	.95452	.04122	27.218
#1	.00182	-.01396	-.01453	.02710	.00342
#2	.00297	-.02215	-.01473	.02708	.00232
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit			45.000		
Low Limit			-.01000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3932.9**	**57993.**	**4416.0**
Stddev	.1	124.	16.6
%RSD	.00380	.21339	.37573
#1	3933.0	58080.	4404.3
#2	3932.8	57905.	4427.8

Sample Name: CCVH-940568 Acquired: 8/25/2011 16:01:23 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02307**	**50.175**	**-.00358**	**.00349**	**.00065**	**-.00013**	**.99901**	**.04907**	**-.00107**	**.00208**	**-.00001**	**-.00265**	**50.639**
Stddev	.00068	.038	.00023	.00002	.00001	.00014	.00199	.01168	.00000	.00006	.00001	.00033	.215
%RSD	2.9278	.07487	6.4285	.69250	1.7644	107.36	.19921	23.795	.23104	2.8518	36.038	12.381	.42404
#1	-.02354	50.202	-.00342	.00347	.00064	-.00003	.99760	.05732	-.00107	.00204	-.00002	-.00288	50.791
#2	-.02259	50.148	-.00375	.00350	.00066	-.00022	1.0004	.04081	-.00107	.00212	-.00001	-.00242	50.487
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16895**	**.00836**	**-.09545**	**.00075**	**-.00170**	**261.78**	**.00156**	**.00122**	**-.00038**	**5.0297**	**-.01034**	**.01376**	**.06022**
Stddev	.00707	.00119	.00359	.00006	.00018	.36	.00005	.00457	.00158	.0139	.00009	.00001	.00822
%RSD	4.1818	14.208	3.7608	8.3055	10.704	.13808	3.1283	376.49	419.10	.27633	.86646	.07798	13.654
#1	.17394	.00752	-.09291	.00080	-.00183	262.04	.00160	.00445	-.00149	5.0396	-.01028	.01375	.06603
#2	.16395	.00920	-.09799	.00071	-.00157	261.53	.00153	-.00202	.00074	5.0199	-.01041	.01377	.05440
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00152**	**.00057**	**4.9705**	**.00356**	**.00392**	**10.643**	**-.00897**	**.00403**	**.02349**
Stddev	.00005	.00002	.0113	.00011	.00155	.002	.00008	.00060	.00202
%RSD	3.5911	3.5038	.22767	3.0530	39.592	.01657	.89023	14.839	8.5810
#1	.00156	.00055	4.9785	.00364	.00502	10.642	-.00892	.00446	.02206
#2	.00148	.00058	4.9625	.00348	.00283	10.644	-.00903	.00361	.02491
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3945.0**	**57061.**	**4378.2**
Stddev	8.2	107.	1.9
%RSD	.20808	.18814	.04307
#1	3950.8	56985.	4376.8
#2	3939.2	57137.	4379.5

Sample Name: CCV-940591 Acquired: 8/25/2011 16:03:54 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52269**	**.51316**	**1.0216**	**.51499**	**.51383**	**.51185**	**.00675**	**5.0067**	**.51796**	**.49889**	**.50075**	**.52399**	**2.5606**
Stddev	.00008	.00475	.0029	.00095	.00059	.00179	.00175	.0049	.00057	.00087	.00012	.00093	.0027
%RSD	.01464	.92655	.28185	.18491	.11385	.34897	25.992	.09773	.11014	.17405	.02340	.17744	.10684
#1	.52275	.50980	1.0196	.51432	.51342	.51059	.00798	5.0032	.51756	.49827	.50083	.52333	2.5587
#2	.52264	.51652	1.0237	.51566	.51425	.51311	.00551	5.0101	.51837	.49950	.50066	.52465	2.5625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.719**	**1.0344**	**20.769**	**.52309**	**.51374**	**5.3695**	**.50751**	**.98030**	**1.0331**	**.00227**	**1.0156**	**1.0149**	**5.1738**
Stddev	.041	.0001	.011	.00018	.00010	.0147	.00071	.00759	.0003	.00169	.0019	.0052	.0315
%RSD	.08176	.00826	.05439	.03451	.01960	.27358	.13897	.77465	.03227	74.362	.18824	.51466	.60904
#1	50.690	1.0344	20.761	.52321	.51381	5.3591	.50701	.97493	1.0328	.00108	1.0142	1.0186	5.1515
#2	50.749	1.0343	20.777	.52296	.51367	5.3799	.50801	.98567	1.0333	.00346	1.0169	1.0112	5.1961
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0143**	**.52050**	**-.00015**	**.50117**	**1.0102**	**-.01905**	**.52057**	**.52074**	**.52484**
Stddev	.0000	.00051	.00049	.00007	.0009	.03674	.00073	.00005	.00206
%RSD	.00304	.09726	339.47	.01371	.08992	192.89	.13937	.00934	.39216
#1	1.0143	.52014	.00020	.50122	1.0096	.00693	.52109	.52071	.52338
#2	1.0143	.52085	-.00049	.50112	1.0108	-.04502	.52006	.52078	.52630
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3995.1**	**58310.**	**4351.3**
Stddev	.8	116.	12.4
%RSD	.01963	.19830	.28412
#1	3995.7	58228.	4360.0
#2	3994.6	58392.	4342.5

Sample Name: CCB Acquired: 8/25/2011 16:06:15 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00088**	**.00307**	W **.00232**	**.00033**	**.00004**	**.00143**	**.00592**	**.00033**	**-.00014**	**.00007**
Stddev	.00020	.00129	.00098	.00028	.00003	.00001	.00121	.00100	.00007	.00004	.00013
%RSD	87.081	146.90	32.069	11.987	9.2846	23.037	84.274	16.884	21.857	26.181	180.04
#1	.00009	-.00003	.00377	.00251	.00035	.00005	.00228	.00662	.00028	-.00011	-.00002
#2	.00038	.00179	.00237	.00212	.00031	.00003	.00058	.00521	.00038	-.00016	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00044**	**.00066**	**.05018**	W **.00375**	**.00225**	W **.00033**	**.00290**	**-.00276**	**.00060**	**-.00325**	**-.00097**
Stddev	.00057	.00524	.00577	.00319	.00302	.00001	.00071	.02099	.00003	.00144	.00171
%RSD	128.28	790.58	11.498	85.141	134.61	2.4353	24.340	759.48	5.0502	44.245	176.13
#1	-.00004	-.00304	.04610	.00149	.00438	.00033	.00240	.01208	.00058	-.00223	.00024
#2	-.00084	.00437	.05426	.00600	.00011	.00034	.00340	-.01761	.00062	-.00427	-.00218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261		.00025					
Low Limit				-.00261		-.00025					

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00109**	F **.00890**	W **.00519**	**.02513**	**.00101**	**.00022**	**-.00110**	**.00028**	**.00046**	**-.00790**	**.00022**
Stddev	.00107	.00431	.00200	.00247	.00058	.00004	.00171	.00043	.00109	.01124	.00041
%RSD	98.873	48.398	38.537	9.8267	57.080	16.963	155.45	154.16	235.08	142.38	184.84
#1	-.00033	.00586	.00661	.02338	.00060	.00019	.00011	-.00003	.00123	-.01585	-.00007
#2	-.00185	.01195	.00378	.02687	.00141	.00024	-.00230	.00058	-.00031	.00005	.00051
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00152**	W **.00276**
Stddev	.00029	.00168
%RSD	19.099	60.867
#1	.00132	.00395
#2	.00173	.00157
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4038.1**	**59946.**	**4283.9**
Stddev	4.4	80.	8.0
%RSD	.10804	.13331	.18596
#1	4035.0	60003.	4289.5
#2	4041.2	59890.	4278.3

Sample Name: CCVL942742 Acquired: 8/25/2011 16:08:51 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01119**	**.10868**	**.01628**	**.10250**	**.01046**	**.00091**	F **.13009**	**.20996**	**.00548**	**.01056**	**.01032**
Stddev	.00076	.00176	.00272	.00034	.00018	.00012	.00033	.00555	.00020	.00002	.00015
%RSD	6.7682	1.6237	16.698	.33273	1.6941	12.840	.25078	2.6442	3.6858	.21323	1.4123
#1	.01066	.10743	.01436	.10274	.01034	.00083	.12986	.20603	.00562	.01058	.01042
#2	.01173	.10992	.01820	.10225	.01059	.00099	.13032	.21389	.00533	.01055	.01022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01635**	**.10108**	**3.0778**	F **.01698**	**.21673**	**.01089**	**.02038**	**1.0754**	**.04225**	**2.8665**	**.00865**
Stddev	.00013	.00077	.0287	.00026	.00017	.00000	.00028	.0101	.00004	.0083	.00024
%RSD	.79318	.76136	.93279	1.5504	.07942	.03241	1.3557	.94276	.08313	.29027	2.7860
#1	.01626	.10054	3.0981	.01717	.21685	.01089	.02019	1.0682	.04222	2.8724	.00848
#2	.01645	.10163	3.0575	.01679	.21661	.01089	.02058	1.0825	.04227	2.8606	.00882
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**.00901**	**.01437**	**.49625**	**.10232**	**.01083**	W **.01167**	**.00996**	**.01781**	W **.07756**	**.01084**
Stddev	.00531	.00128	.00280	.01253	.00074	.00008	.00047	.00036	.00008	.02406	.00016
%RSD	782.02	14.212	19.480	2.5253	.72203	.74778	3.9870	3.6158	.46826	31.021	1.4800
#1	-.00308	.00811	.01239	.50511	.10285	.01077	.01200	.01021	.01787	.06055	.01073
#2	.00443	.00992	.01635	.48739	.10180	.01089	.01134	.00970	.01775	.09458	.01096
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value							.01500			.06000	
Range							-20.000%			20.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02332**	F **.02116**
Stddev	.00050	.00085
%RSD	2.1439	4.0229
#1	.02368	.02176
#2	.02297	.02056
Check ?	Chk Pass	Chk Fail
Value		.01500
Range		30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4090.2**	**60296.**	**4369.6**
Stddev	4.9	280.	2.7
%RSD	.11887	.46420	.06269
#1	4093.6	60494.	4371.6
#2	4086.7	60098.	4367.7

Sample Name: mb 280-82729/1-a Acquired: 8/25/2011 16:11:24 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	F **.74799**	**-.00124**	F **.02553**	F **.01161**	**.00008**	**.00476**	F **.73262**	**.00052**	**.00075**
Stddev	.00014	.00428	.00057	.00030	.00037	.00011	.00050	.00159	.00007	.00009
%RSD	49.512	.57171	46.370	1.1556	3.1876	151.31	10.480	.21651	12.598	11.412
#1	-.00019	.75101	-.00164	.02574	.01134	.00016	.00511	.73149	.00056	.00081
#2	-.00039	.74497	-.00083	.02532	.01187	-.00001	.00441	.73374	.00047	.00069
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit		.10000		.01000	.01000			.20000		
Low Limit		-.10000		-.01000	-.01000			-.20000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00139**	**.00169**	F **.81168**	**.29106**	**.00399**	F **.41648**	F **.02767**	**.00087**	**.12322**	**.00145**
Stddev	.00007	.00021	.00433	.00022	.00336	.00170	.00007	.00002	.00527	.00009
%RSD	5.0663	12.586	.53360	.07525	84.132	.40837	.26719	2.2849	4.2793	6.3134
#1	.00134	.00184	.80862	.29090	.00162	.41769	.02762	.00086	.11949	.00151
#2	.00144	.00154	.81474	.29121	.00636	.41528	.02773	.00089	.12695	.00138
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000			.10000	.01000			
Low Limit			-.10000			-.10000	-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.05580**	**.00128**	**.02025**	**-.00002**	**.00408**	F **.14427**	**.00920**	**.00371**	**.00075**	F **.01936**
Stddev	.00279	.00163	.00193	.00102	.00241	.00398	.00014	.00006	.00206	.00033
%RSD	4.9923	127.29	9.5287	6572.1	59.021	2.7583	1.5127	1.5063	275.59	1.6876
#1	.05777	.00013	.02162	-.00073	.00238	.14709	.00929	.00375	.00221	.01959
#2	.05383	.00243	.01889	.00070	.00578	.14146	.00910	.00368	-.00071	.01913
Check ?	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit	.01000					.10000				.01000
Low Limit	-.01000					-.10000				-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00284**	**.01732**	**.00074**	W **.00677**	W **.00561**
Stddev	.00122	.01507	.00015	.00017	.00048
%RSD	43.064	87.001	20.146	2.5179	8.5629
#1	.00370	.02797	.00085	.00689	.00595
#2	.00197	.00666	.00064	.00665	.00527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn
High Limit				.00500	.00500
Low Limit				-.00500	-.00500

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4059.1**	**60522.**	**4373.1**
Stddev	.4	9.	7.1
%RSD	.01005	.01507	.16196
#1	4059.4	60515.	4378.1
#2	4058.9	60528.	4368.1

Sample Name: lcs 280-82729/2-a Acquired: 8/25/2011 16:13:57 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04595**	**1.8808**	**.97845**	**1.0065**	**2.0048**	**.04969**	F **2.2216**	**48.029**	**.10165**	**.46934**
Stddev	.00085	.0121	.00319	.0017	.0053	.00019	.0094	.138	.00031	.00032
%RSD	1.8463	.64550	.32609	.16770	.26463	.37342	.42149	.28714	.30967	.06856
#1	.04655	1.8893	.98070	1.0077	2.0086	.04982	2.2282	48.127	.10187	.46957
#2	.04535	1.8722	.97619	1.0053	2.0011	.04956	2.2149	47.932	.10142	.46912
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19274**	**.25020**	**1.0543**	**49.814**	**1.0135**	**48.903**	**.49972**	**1.0031**	**51.741**	**.47536**
Stddev	.00009	.00039	.0010	.042	.0015	.153	.00108	.0016	.425	.00023
%RSD	.04523	.15660	.09042	.08489	.14679	.31279	.21573	.15688	.82093	.04803
#1	.19280	.25047	1.0549	49.844	1.0124	49.011	.50048	1.0042	52.041	.47552
#2	.19267	.24992	1.0536	49.784	1.0145	48.795	.49896	1.0020	51.440	.47520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.5025**	**.48353**	**.00785**	**.48136**	**1.9139**	F **5.6740**	**1.9309**	**1.0178**	**.96326**	**.98458**
Stddev	.0096	.00076	.00167	.00126	.0109	.0012	.0041	.0022	.00438	.00103
%RSD	.10148	.15793	21.257	.26184	.56863	.02082	.21154	.21325	.45514	.10498
#1	9.5093	.48407	.00904	.48225	1.9216	5.6732	1.9338	1.0194	.96016	.98531
#2	9.4957	.48299	.00667	.48047	1.9063	5.6748	1.9280	1.0163	.96636	.98385
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500				
Low Limit						9.4000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8854**	**2.1403**	**.50527**	**.49371**	**.51837**
Stddev	.0066	.0011	.00143	.00316	.00124
%RSD	.34800	.05032	.28323	.64060	.24010
#1	1.8900	2.1395	.50628	.49595	.51925
#2	1.8808	2.1410	.50426	.49148	.51749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3911.4**	**56920.**	**4320.1**
Stddev	3.2	448.	14.4
%RSD	.08244	.78651	.33326
#1	3909.1	56604.	4309.9
#2	3913.6	57237.	4330.3

Sample Name: 280-19386-a-1-d Acquired: 8/25/2011 16:16:16 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .00176	254.75	k .09136	.12636	k 2.9686	k .01289	kF -.02627	107.12	k .01242	k .12616
Stddev	.00013	.34	.00064	.00139	.0036	.00006	.00109	.16	.00007	.00007
%RSD	7.6293	.13153	.70213	1.1033	.12261	.45737	4.1510	.15182	.55773	.05456
#1	k .00186	254.99	k .09181	.12735	k 2.9711	k .01285	k -.02704	107.23	k .01247	k .12621
#2	k .00167	254.51	k .09091	.12537	k 2.9660	k .01293	k -.02550	107.00	k .01238	k .12611
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							100.00			
Low Limit							-.02000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.29336	k .31521	k 275.91	68.534	.25519	99.751	8.8480	.01037	3.9722	.27648
Stddev	.00017	.00042	.02	.007	.00161	.065	.0480	.00113	.0095	.00013
%RSD	.05800	.13271	.00832	.01048	.62941	.06549	.54208	10.933	.23836	.04872
#1	.29324	k .31551	k 275.92	68.539	.25633	99.705	8.8141	.00957	3.9655	.27658
#2	.29348	k .31492	k 275.89	68.529	.25406	99.798	8.8819	.01118	3.9788	.27638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.102	k .23808	2.6564	k -.00832	k .01153	3.4289	k -.00376	.63221	k .35883	k 7.7752
Stddev	.010	.00067	.0017	.00141	.00419	.0379	.00202	.00058	.00157	.0011
%RSD	.07032	.28129	.06489	16.922	36.347	1.1055	53.745	.09208	.43852	.01431
#1	14.095	k .23856	2.6576	k -.00932	k .00857	3.4557	k -.00519	.63262	k .35771	k 7.7760
#2	14.109	k .23761	2.6552	k -.00733	k .01450	3.4020	k -.00233	.63179	k .35994	k 7.7744
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k .00077	kF -.11298	^ *****	1.2313	k .73901
Stddev	.00173	.01231	-----	.0020	.00114
%RSD	225.08	10.897	-----	.16411	.15372
#1	k -.00045	k -.10427	^ -----	1.2299	k .73982
#2	k .00199	k -.12169	^ -----	1.2327	k .73821
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000			
Low Limit		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5070.0	71763.	5959.8
Stddev	2.8	60.	19.3
%RSD	.05447	.08302	.32316
#1	5071.9	71721.	5946.2
#2	5068.0	71806.	5973.4

Sample Name: 280-19386-a-2-d Acquired: 8/25/2011 16:19:37 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**253.99**	**.09259**	**.13117**	**3.1366**	**.01454**	**.00456**	**181.47**	**.01353**	**.11843**
Stddev	.00018	.42	.00103	.00078	.0106	.00006	.00028	.08	.00002	.00015
%RSD	74.365	.16715	1.1170	.59802	.33741	.44228	6.1492	.04507	.12303	.12427
#1	-.00037	253.69	.09186	.13061	3.1291	.01458	.00436	181.41	.01355	.11853
#2	-.00012	254.29	.09332	.13172	3.1441	.01449	.00476	181.53	.01352	.11832
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29268**	**.34861**	**281.25**	**65.066**	**.26451**	**119.22**	**8.6850**	**.00703**	**4.3226**	**.28046**
Stddev	.00027	.00006	1.51	.213	.00204	.13	.0290	.00042	.0247	.00043
%RSD	.09108	.01631	.53862	.32753	.76991	.10521	.33348	5.9661	.57146	.15440
#1	.29249	.34865	280.18	64.915	.26595	119.13	8.6646	.00673	4.3052	.28077
#2	.29287	.34857	282.33	65.217	.26307	119.31	8.7055	.00732	4.3401	.28016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.277**	**.23925**	**2.9979**	W **-.01038**	**.00063**	**2.4874**	**.00109**	**.74656**	**.10700**	**8.0351**
Stddev	.001	.00202	.0048	.00187	.00190	.0337	.00025	.00226	.00320	.0021
%RSD	.00955	.84335	.15944	18.028	303.35	1.3545	22.674	.30276	2.9872	.02614
#1	15.276	.24067	2.9946	-.00906	-.00072	2.5112	.00092	.74496	.10926	8.0366
#2	15.278	.23782	3.0013	-.01171	.00197	2.4636	.00127	.74816	.10474	8.0336
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				2.0000						
Low Limit				-.01000						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00526**	F **-.10360**	**.05765**	**1.2301**	**.69588**
Stddev	.00195	.01561	.00333	.0014	.00276
%RSD	37.090	15.071	5.7688	.11694	.39595
#1	.00664	-.09256	.05530	1.2290	.69394
#2	.00388	-.11464	.06000	1.2311	.69783
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000			
Low Limit		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4984.1**	**70886.**	**5918.1**
Stddev	5.0	67.	17.3
%RSD	.09978	.09500	.29255
#1	4980.6	70839.	5905.8
#2	4987.6	70934.	5930.3

Sample Name: 280-19386-a-3-j Acquired: 8/25/2011 16:22:58 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**250.60**	**.09426**	**.13159**	**2.9249**	**.01414**	**.01359**	**219.36**	**.01341**	**.11139**
Stddev	.00001	.24	.00270	.00015	.0026	.00005	.00133	1.76	.00026	.00029
%RSD	5.8528	.09434	2.8607	.11160	.08855	.32802	9.7526	.80317	1.9590	.26053
#1	.00018	250.76	.09235	.13148	2.9268	.01411	.01266	220.60	.01322	.11119
#2	.00019	250.43	.09617	.13169	2.9231	.01417	.01453	218.11	.01359	.11160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30092**	**.32402**	**265.03**	**63.665**	**.24695**	**113.06**	**8.3246**	**.00956**	**4.6688**	**.28031**
Stddev	.00014	.00054	.59	.012	.00169	.26	.0402	.00032	.0085	.00032
%RSD	.04676	.16658	.22196	.01847	.68453	.22576	.48295	3.3196	.18159	.11451
#1	.30082	.32440	265.45	63.673	.24575	113.24	8.3530	.00979	4.6748	.28054
#2	.30102	.32364	264.62	63.656	.24814	112.88	8.2961	.00934	4.6629	.28009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.436**	**.23516**	**3.0509**	**-.00881**	**.00542**	**2.2440**	**.00540**	**.72747**	**.10924**	**7.5129**
Stddev	.016	.00036	.0110	.00029	.00221	.0189	.00044	.00045	.00104	.0110
%RSD	.11073	.15145	.36182	3.2510	40.713	.84210	8.1934	.06205	.95239	.14623
#1	14.447	.23491	3.0587	-.00861	.00698	2.2574	.00571	.72779	.10851	7.5207
#2	14.424	.23542	3.0431	-.00901	.00386	2.2306	.00508	.72715	.10998	7.5051
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01143**	F **-.10084**	**.06793**	**1.1699**	**.61371**
Stddev	.00010	.01330	.00297	.0047	.00145
%RSD	.85146	13.194	4.3716	.40061	.23587
#1	.01136	-.09143	.07003	1.1732	.61269
#2	.01150	-.11024	.06583	1.1666	.61473
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000			
Low Limit		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4940.9**	**70173.**	**5871.6**
Stddev	1.9	89.	18.0
%RSD	.03894	.12645	.30597
#1	4939.5	70110.	5858.9
#2	4942.2	70236.	5884.3

Sample Name: 280-19386-a-3-jSD@5 Acquired: 8/25/2011 16:26:22 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00078	62.348	.01920	.03423	.72459	.00337	.00426	57.093	.00350	.02869
Stddev	.00022	.132	.00241	.00025	.00175	.00003	.00050	.073	.00016	.00019
%RSD	28.566	.21125	12.571	.73110	.24146	.82721	11.827	.12784	4.6363	.64634
#1	.00094	62.255	.01749	.03405	.72336	.00335	.00462	57.041	.00362	.02882
#2	.00062	62.441	.02090	.03441	.72583	.00338	.00390	57.145	.00339	.02856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07529	.07727	68.346	15.476	.06907	28.223	2.1250	.00195	1.1338	.07198
Stddev	.00056	.00058	.222	.049	.00180	.016	.0024	.00018	.0040	.00025
%RSD	.74937	.75588	.32543	.31810	2.6125	.05759	.11109	9.0439	.34982	.34596
#1	.07569	.07686	68.189	15.441	.07035	28.212	2.1233	.00207	1.1310	.07216
#2	.07489	.07769	68.504	15.511	.06779	28.235	2.1267	.00182	1.1366	.07181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.5947	.06075	.73997	-.00115	.00180	.57566	-.00019	.18150	.02613	1.8192
Stddev	.0027	.00049	.00073	.00166	.00535	.02301	.00112	.00003	.00124	.0014
%RSD	.07403	.81416	.09929	144.45	296.77	3.9979	602.52	.01783	4.7494	.07401
#1	3.5966	.06040	.74049	-.00232	.00559	.59194	.00061	.18152	.02701	1.8182
#2	3.5928	.06110	.73945	.00002	-.00198	.55939	-.00098	.18148	.02526	1.8201
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00348	-.03611	.03626	.29517	.15396
Stddev	.00104	.03977	.00008	.00017	.00096
%RSD	29.968	110.12	.22768	.05630	.62059
#1	.00422	-.06424	.03631	.29505	.15329
#2	.00274	-.00799	.03620	.29528	.15464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4243.3	61618.	4680.1
Stddev	6.3	154.	10.1
%RSD	.14824	.25063	.21579
#1	4238.9	61727.	4687.2
#2	4247.8	61508.	4672.9

Sample Name: 280-19386-a-3-k ms Acquired: 8/25/2011 16:28:50 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03686**	**302.63**	**.82002**	**.81754**	**4.6150**	**.05152**	**1.6787**	**244.99**	**.09058**	**.45368**
Stddev	.00034	1.14	.00104	.00319	.0189	.00007	.0006	1.18	.00029	.00060
%RSD	.93456	.37825	.12682	.38961	.40893	.13273	.03306	.48202	.31685	.13309
#1	.03711	301.82	.82076	.81529	4.6016	.05147	1.6791	244.15	.09079	.45326
#2	.03662	303.44	.81929	.81979	4.6283	.05156	1.6783	245.82	.09038	.45411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48214**	**.53559**	**281.16**	W **109.91**	**1.0233**	**156.02**	**9.1065**	**.65302**	**44.959**	**.63489**
Stddev	.00041	.00072	1.03	.56	.0070	1.42	.0441	.00143	.203	.00039
%RSD	.08512	.13436	.36635	.51369	.68146	.91097	.48437	.21894	.45238	.06196
#1	.48243	.53508	280.44	109.51	1.0183	157.03	9.1376	.65403	44.815	.63517
#2	.48185	.53610	281.89	110.31	1.0282	155.02	9.0753	.65201	45.103	.63461
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.943**	**.58685**	**3.2179**	**.05451**	**1.3879**	**3.5244**	**1.1960**	**1.5368**	**.83729**	W **10.627**
Stddev	.033	.00095	.0069	.00048	.0025	.0089	.0057	.0047	.00048	.024
%RSD	.14946	.16105	.21460	.87406	.18035	.25307	.47847	.30798	.05678	.22897
#1	21.920	.58618	3.2228	.05485	1.3896	3.5307	1.2000	1.5334	.83696	10.644
#2	21.966	.58752	3.2130	.05418	1.3861	3.5181	1.1919	1.5401	.83763	10.610
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										10.000
Low Limit										-.01000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.2873**	**1.4988**	**.49310**	**1.5930**	**1.1023**
Stddev	.0001	.0076	.00219	.0025	.0014
%RSD	.01029	.50539	.44501	.15692	.12519
#1	1.2873	1.5041	.49465	1.5948	1.1013
#2	1.2874	1.4934	.49155	1.5913	1.1033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4924.1**	**69874.**	**5925.2**
Stddev	3.9	223.	29.5
%RSD	.07900	.31898	.49806
#1	4926.9	69716.	5946.1
#2	4921.4	70031.	5904.4

Sample Name: 280-19386-a-3-l msd Acquired: 8/25/2011 16:32:23 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03707**	**272.12**	**.81433**	**.79735**	**4.3663**	**.05012**	**1.6670**	**241.29**	**.08894**	**.44393**
Stddev	.00012	.22	.00431	.00000	.0025	.00005	.0065	2.36	.00009	.00060
%RSD	.31794	.08014	.52984	.00015	.05775	.10002	.39095	.97912	.10447	.13493
#1	.03699	272.28	.81738	.79735	4.3681	.05015	1.6624	242.96	.08900	.44435
#2	.03715	271.97	.81128	.79735	4.3645	.05008	1.6716	239.62	.08887	.44351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44727**	**.50892**	**260.83**	W **102.61**	**1.0004**	**148.61**	**8.5030**	**.64743**	**43.944**	**.61578**
Stddev	.00013	.00009	.03	.02	.0014	1.66	.0508	.00107	.256	.00023
%RSD	.02814	.01800	.01218	.01536	.13698	1.1199	.59793	.16503	.58192	.03674
#1	.44736	.50898	260.85	102.60	1.0014	149.78	8.5389	.64819	44.124	.61594
#2	.44718	.50886	260.81	102.62	.99944	147.43	8.4670	.64668	43.763	.61562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.746**	**.56713**	**2.9581**	**.06103**	**1.3920**	**4.4856**	**1.2106**	**1.4751**	**.81398**	**9.5221**
Stddev	.014	.00389	.0056	.00103	.0013	.0010	.0008	.0001	.00307	.0069
%RSD	.06892	.68567	.18844	1.6877	.09283	.02328	.06277	.00959	.37660	.07207
#1	20.736	.56438	2.9541	.06176	1.3929	4.4864	1.2101	1.4752	.81615	9.5270
#2	20.756	.56988	2.9620	.06030	1.3911	4.4849	1.2112	1.4750	.81181	9.5173
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.2907**	**1.4809**	**.47353**	**1.5039**	**1.0499**
Stddev	.0026	.0228	.00008	.0009	.0049
%RSD	.20210	1.5399	.01677	.05901	.46706
#1	1.2925	1.4648	.47348	1.5045	1.0534
#2	1.2888	1.4970	.47359	1.5032	1.0464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4799.4**	**68157.**	**5743.7**
Stddev	4.3	307.	21.4
%RSD	.09029	.45091	.37202
#1	4802.5	67940.	5728.6
#2	4796.4	68374.	5758.8

Sample Name: 280-19386-a-3-jPDS Acquired: 8/25/2011 16:35:50 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03440**	**248.12**	**.25131**	**.20411**	**2.9772**	**.05296**	**.00772**	**233.20**	**.05499**	**.14637**
Stddev	.00007	.32	.00294	.00051	.0039	.00003	.00504	.91	.00019	.00023
%RSD	.20824	.12701	1.1691	.25094	.13244	.05917	65.271	.39021	.34209	.15677
#1	.03445	247.90	.24923	.20447	2.9745	.05294	.01129	233.85	.05512	.14621
#2	.03435	248.34	.25339	.20375	2.9800	.05299	.00416	232.56	.05486	.14654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33588**	**.36176**	**262.59**	**79.175**	**.32476**	**126.38**	**8.2143**	**.04789**	**22.570**	**.31292**
Stddev	.00027	.00068	.39	.153	.00078	.10	.0012	.00008	.209	.00068
%RSD	.08111	.18841	.14674	.19325	.24057	.08018	.01459	.15717	.92473	.21649
#1	.33569	.36128	262.32	79.066	.32421	126.45	8.2134	.04784	22.718	.31244
#2	.33607	.36224	262.86	79.283	.32532	126.31	8.2151	.04795	22.422	.31340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.706**	**.30885**	**3.0327**	**.06676**	**.16287**	**5.8798**	**.07669**	**.76113**	**.26531**	**7.4498**
Stddev	.015	.00125	.0135	.00086	.00012	.0374	.00073	.00122	.00019	.0184
%RSD	.09515	.40558	.44370	1.2954	.07288	.63588	.95195	.15986	.07179	.24687
#1	15.695	.30796	3.0232	.06615	.16295	5.8533	.07617	.76027	.26518	7.4368
#2	15.717	.30973	3.0423	.06737	.16278	5.9062	.07720	.76199	.26545	7.4628
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.15177**	**.33609**	**.11747**	**1.3113**	**.64259**
Stddev	.00168	.00571	.00313	.0057	.00178
%RSD	1.1086	1.7003	2.6662	.43739	.27676
#1	.15296	.33205	.11525	1.3072	.64385
#2	.15058	.34013	.11968	1.3154	.64133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4881.8**	**69210.**	**5792.3**
Stddev	6.0	98.	6.0
%RSD	.12264	.14127	.10366
#1	4886.0	69280.	5788.1
#2	4877.6	69141.	5796.6

Sample Name: CCVH-940568 Acquired: 8/25/2011 16:39:15 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02319**	**50.151**	**-.00517**	**.00300**	**.00061**	**-.00009**	**.99050**	**.03261**	**-.00094**	**.00189**	**.00018**	**-.00313**	**50.868**
Stddev	.00012	.050	.00301	.00038	.00012	.00009	.00128	.00097	.00034	.00001	.00012	.00034	.036
%RSD	.53895	.09913	58.362	12.824	19.186	100.27	.12875	2.9706	36.281	.72247	65.356	10.948	.07123
#1	-.02310	50.116	-.00303	.00327	.00053	-.00003	.99140	.03192	-.00118	.00190	.00026	-.00337	50.893
#2	-.02327	50.186	-.00730	.00272	.00069	-.00015	.98960	.03329	-.00070	.00188	.00010	-.00288	50.842
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23090**	**.00617**	**-.09934**	**.00113**	**-.00191**	**262.59**	**.00114**	**.00294**	**.00031**	**5.0368**	**-.00969**	**.01116**	**.03362**
Stddev	.02688	.00336	.00125	.00007	.00030	.34	.00046	.00146	.00026	.0138	.00411	.00071	.01902
%RSD	11.640	54.442	1.2552	6.5691	15.761	.13119	40.763	49.646	82.915	.27290	42.417	6.3205	56.554
#1	.21189	.00379	-.10022	.00118	-.00212	262.35	.00147	.00397	.00050	5.0465	-.00679	.01166	.04707
#2	.24990	.00854	-.09846	.00108	-.00169	262.83	.00081	.00191	.00013	5.0271	-.01260	.01066	.02018
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00130**	**.00043**	**4.9732**	**.00507**	**.00453**	**10.609**	**-.00966**	**.00465**	**.02236**
Stddev	.00132	.00001	.0010	.00014	.00275	.004	.00053	.00028	.00159
%RSD	101.54	1.1692	.01921	2.8090	60.739	.04085	5.4506	6.0598	7.1022
#1	.00223	.00043	4.9739	.00517	.00647	10.606	-.00928	.00445	.02123
#2	.00037	.00044	4.9725	.00497	.00258	10.612	-.01003	.00485	.02348
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3923.7**	**56991.**	**4286.6**
Stddev	.0	44.	14.3
%RSD	.00084	.07690	.33270
#1	3923.7	57021.	4296.7
#2	3923.7	56960.	4276.5

Sample Name: CCV-940591 Acquired: 8/25/2011 16:41:45 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52571**	**.51348**	**1.0218**	**.51510**	**.51714**	**.51269**	**.00667**	**5.0183**	**.51947**	**.50033**	**.50184**	**.52402**	**2.5722**
Stddev	.00035	.00172	.0076	.00105	.00172	.00087	.00089	.0124	.00014	.00009	.00049	.00034	.0033
%RSD	.06731	.33419	.74361	.20340	.33249	.16892	13.377	.24787	.02690	.01823	.09675	.06458	.12656
#1	.52596	.51470	1.0272	.51436	.51593	.51208	.00604	5.0095	.51937	.50027	.50218	.52378	2.5745
#2	.52546	.51227	1.0164	.51584	.51836	.51330	.00730	5.0271	.51956	.50040	.50149	.52426	2.5699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.773**	**1.0306**	**20.785**	**.52381**	**.51545**	**5.3757**	**.50872**	**.97902**	**1.0372**	**.00214**	**1.0158**	**1.0135**	**5.0553**
Stddev	.150	.0079	.031	.00134	.00000	.0186	.00057	.00311	.0021	.00379	.0007	.0024	.0151
%RSD	.29475	.76537	.14711	.25669	.00027	.34504	.11168	.31785	.20132	176.56	.07333	.23588	.29814
#1	50.668	1.0250	20.806	.52476	.51545	5.3626	.50912	.98122	1.0387	.00482	1.0153	1.0152	5.0446
#2	50.879	1.0362	20.763	.52286	.51545	5.3888	.50831	.97682	1.0357	-.00053	1.0164	1.0118	5.0660
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0182**	**.52295**	**-.00062**	**.50358**	**1.0103**	**.00832**	**.52286**	**.52093**	**.52972**
Stddev	.0005	.00151	.00157	.00089	.0028	.04842	.00200	.00198	.00166
%RSD	.04877	.28946	252.66	.17589	.27427	582.20	.38326	.38012	.31306
#1	1.0186	.52188	-.00173	.50421	1.0083	-.02592	.52427	.52233	.53089
#2	1.0179	.52402	.00049	.50296	1.0123	.04255	.52144	.51953	.52854
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4008.8**	**58658.**	**4324.3**
Stddev	11.3	5.	10.8
%RSD	.28162	.00881	.25078
#1	4000.8	58655.	4332.0
#2	4016.7	58662.	4316.7

Sample Name: CCB Acquired: 8/25/2011 16:44:07 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00004**	**.00370**	W **.00198**	**.00009**	**.00004**	**.00167**	**.00343**	**.00021**	**-.00015**	**.00008**
Stddev	.00039	.00135	.00234	.00018	.00027	.00003	.00007	.00213	.00003	.00001	.00018
%RSD	761.14	3326.9	63.259	9.0209	298.14	58.121	4.2114	61.997	15.002	7.0734	241.14
#1	.00033	.00091	.00205	.00211	-.00010	.00003	.00172	.00193	.00023	-.00014	-.00005
#2	-.00022	-.00099	.00536	.00185	.00028	.00006	.00162	.00494	.00019	-.00016	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00070**	**.09096**	W **.00508**	**-.00194**	**-.00010**	**.00285**	**.02296**	**.00017**	**-.00158**	**.00054**
Stddev	.00040	.00301	.01544	.00164	.00258	.00004	.00061	.01186	.00039	.00248	.00123
%RSD	2917.8	431.65	16.972	32.185	133.31	38.208	21.608	51.659	232.92	156.32	229.36
#1	.00027	-.00283	.08004	.00624	-.00011	-.00012	.00241	.01457	-.00011	.00017	.00140
#2	-.00030	.00143	.10187	.00393	-.00376	-.00007	.00328	.03135	.00044	-.00334	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	F **.00860**	W **.00531**	**-.01348**	**-.00002**	**.00022**	**-.00236**	W **.00066**	**.00209**	**-.01061**	**.00028**
Stddev	.00196	.00039	.00117	.00031	.00083	.00001	.00091	.00007	.00163	.00932	.00017
%RSD	352.36	4.5867	22.095	2.3069	4435.7	4.3866	38.579	10.756	77.952	87.873	62.263
#1	.00194	.00833	.00448	-.01326	-.00061	.00023	-.00171	.00071	.00325	-.01720	.00040
#2	-.00083	.00888	.00614	-.01370	.00057	.00022	-.00300	.00061	.00094	-.00402	.00016
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486					.00060			
Low Limit		-.00628	-.00486					-.00060			

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00160**	W **.00347**
Stddev	.00027	.00042
%RSD	16.690	12.251
#1	.00141	.00317
#2	.00178	.00377
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4039.9**	**59888.**	**4295.7**
Stddev	1.5	76.	6.8
%RSD	.03607	.12648	.15799
#1	4038.8	59942.	4290.9
#2	4040.9	59835.	4300.4

Sample Name: CCVL942742 Acquired: 8/25/2011 16:46:42 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01011**	**.10350**	**.01332**	**.10355**	**.01086**	**.00101**	F **.13191**	**.21421**	**.00559**	**.01031**	**.01033**
Stddev	.00009	.00015	.00124	.00025	.00045	.00012	.00155	.00165	.00008	.00029	.00012
%RSD	.88860	.14021	9.3058	.23963	4.1582	12.136	1.1727	.76976	1.5011	2.8425	1.1918
#1	.01017	.10340	.01245	.10373	.01054	.00110	.13081	.21304	.00565	.01010	.01041
#2	.01005	.10360	.01420	.10338	.01118	.00093	.13300	.21537	.00553	.01052	.01024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01624**	**.10754**	**3.1604**	F **.01638**	**.22101**	**.01107**	**.02035**	**1.1069**	**.04235**	**2.8388**	**.00787**
Stddev	.00026	.00161	.0136	.00390	.00187	.00004	.00024	.0126	.00053	.0043	.00024
%RSD	1.5815	1.4942	.43022	23.795	.84778	.38104	1.1830	1.1409	1.2619	.15117	3.0870
#1	.01642	.10641	3.1508	.01363	.22234	.01110	.02052	1.0980	.04197	2.8418	.00804
#2	.01605	.10868	3.1701	.01914	.21969	.01104	.02018	1.1158	.04273	2.8357	.00770
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00496**	**.01017**	**.01374**	**.48308**	**.10178**	**.01081**	W **.01160**	**.01061**	W **.01818**	F **.10551**	**.01048**
Stddev	.00645	.00151	.00326	.01422	.00079	.00001	.00066	.00037	.00021	.00858	.00008
%RSD	130.13	14.819	23.702	2.9435	.77974	.13125	5.6950	3.5168	1.1732	8.1290	.74781
#1	.00951	.00910	.01144	.49313	.10121	.01080	.01113	.01034	.01833	.09944	.01054
#2	.00040	.01123	.01604	.47302	.10234	.01082	.01206	.01087	.01803	.11157	.01043
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Fail	Chk Pass
Value							.01500		.01500	.06000	
Range							-20.000%		20.000%	30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02360**	W **.01832**
Stddev	.00035	.00047
%RSD	1.4932	2.5839
#1	.02335	.01865
#2	.02385	.01798
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4133.4**	**60452.**	**4337.8**
Stddev	.1	17.	2.0
%RSD	.00194	.02788	.04634
#1	4133.4	60464.	4339.2
#2	4133.3	60440.	4336.3

Sample Name: 280-19386-a-4-d Acquired: 8/25/2011 16:49:15 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00242**	**229.93**	k **.08526**	**.09706**	k **3.0558**	k **.01292**	kF **-.02825**	**132.18**	k **.01269**	k **.12254**
Stddev	.00019	.16	.00198	.00099	.0014	.00002	.00093	.07	.00009	.00013
%RSD	7.8563	.06778	2.3281	1.0202	.04575	.17448	3.2988	.05468	.69204	.10874
#1	k .00229	229.82	k .08385	.09776	k 3.0568	k .01290	k -.02891	132.23	k .01263	k .12264
#2	k .00256	230.04	k .08666	.09636	k 3.0548	k .01293	k -.02759	132.13	k .01276	k .12245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							100.00			
Low Limit							-.02000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.27580**	k **.33261**	k **261.17**	**63.846**	**.22665**	**98.402**	**9.0174**	**.00617**	**2.8667**	**.27741**
Stddev	.00083	.00064	.45	.071	.00272	.147	.0248	.00015	.0117	.00044
%RSD	.30147	.19333	.17292	.11116	1.2023	.14965	.27479	2.4568	.40785	.15764
#1	k .27639	k .33216	k 261.49	63.796	.22858	98.298	8.9999	.00607	2.8584	.27772
#2	k .27521	k .33307	k 260.85	63.896	.22472	98.506	9.0349	.00628	2.8750	.27710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.113**	k **.24870**	**3.0066**	k **-.00430**	k **-.00194**	**2.1047**	k **-.00049**	**.61480**	k **.33923**	k **5.2474**
Stddev	.035	.00328	.0011	.00035	.00048	.0180	.00050	.00009	.00124	.0064
%RSD	.22954	1.3196	.03648	8.1341	24.573	.85722	102.49	.01527	.36411	.12208
#1	15.138	k .24638	3.0074	k -.00406	k -.00228	2.1175	k -.00084	.61487	k .34010	k 5.2429
#2	15.089	k .25102	3.0059	k -.00455	k -.00161	2.0920	k -.00013	.61473	k .33836	k 5.2519
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00215**	kF **-.14640**	^ *****	k **1.2156**	k **.63126**
Stddev	.00058	.00138	-----	.0012	.00207
%RSD	27.000	.94322	-----	.09848	.32848
#1	k -.00256	k -.14542	^ -----	k 1.2148	k .62979
#2	k -.00174	k -.14737	^ -----	k 1.2164	k .63272
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000			
Low Limit		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5071.3**	**72043.**	**6001.5**
Stddev	.1	107.	6.5
%RSD	.00194	.14824	.10885
#1	5071.2	72119.	5996.9
#2	5071.3	71968.	6006.1

Sample Name: 280-19386-a-5-d Acquired: 8/25/2011 16:52:30 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**228.80**	**.07647**	**.09479**	**2.6145**	**.01310**	**.00076**	**92.620**	**.00980**	**.10100**
Stddev	.00022	.60	.00081	.00004	.0067	.00003	.00249	.225	.00024	.00066
%RSD	39.041	.26216	1.0612	.03985	.25546	.20016	329.51	.24245	2.4709	.64928
#1	-.00042	229.23	.07704	.09476	2.6192	.01311	.00251	92.779	.00997	.10146
#2	-.00073	228.38	.07589	.09481	2.6098	.01308	-.00100	92.461	.00963	.10053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26497**	**.30903**	**247.69**	**55.524**	**.21910**	**85.979**	**7.8370**	**.00567**	**2.4228**	**.25438**
Stddev	.00070	.00023	.04	.111	.00041	.210	.0335	.00015	.0054	.00002
%RSD	.26246	.07569	.01505	.19905	.18502	.24388	.42802	2.6402	.22343	.00722
#1	.26546	.30920	247.72	55.602	.21881	85.831	7.8607	.00556	2.4266	.25436
#2	.26448	.30887	247.67	55.446	.21939	86.127	7.8133	.00577	2.4190	.25439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.258**	**.20724**	**2.5300**	**-.00861**	**-.00244**	**3.1207**	**.00085**	**.49411**	**.09539**	**6.3663**
Stddev	.025	.00025	.0063	.00029	.00134	.0294	.00021	.00147	.00005	.0106
%RSD	.18981	.12173	.24814	3.3764	54.782	.94199	24.783	.29840	.04774	.16604
#1	13.276	.20742	2.5255	-.00841	-.00149	3.0999	.00100	.49515	.09536	6.3588
#2	13.241	.20707	2.5344	-.00882	-.00338	3.1415	.00070	.49306	.09542	6.3738
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00362**	W **-.07840**	**.03441**	**1.1290**	**.57856**
Stddev	.00047	.00511	.00113	.0049	.00084
%RSD	12.916	6.5180	3.2778	.43523	.14449
#1	.00395	-.08201	.03521	1.1255	.57915
#2	.00329	-.07479	.03362	1.1325	.57797
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4926.0**	**69670.**	**5720.6**
Stddev	3.3	75.	23.7
%RSD	.06649	.10725	.41502
#1	4923.7	69723.	5703.8
#2	4928.3	69617.	5737.4

Sample Name: 280-19386-a-6-d Acquired: 8/25/2011 16:55:45 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00131**	**261.85**	k **.08983**	**.10321**	k **2.8555**	k **.01453**	kW **-.01524**	**85.278**	k **.01099**	k **.12104**
Stddev	.00140	.45	.00302	.00033	.0012	.00112	.01894	.184	.00062	.00732
%RSD	107.05	.17374	3.3647	.31977	.04074	7.6865	124.25	.21635	5.6030	6.0468
#1	.00032	262.17	.08769	.10297	2.8547	.01532	-.00185	85.408	.01055	.11587
#2	k .00230	261.52	k .09196	.10344	k 2.8563	k .01374	k -.02863	85.147	k .01142	k .12622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							3.0000			
Low Limit							-.01000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30593**	k **.34427**	k **277.66**	**66.559**	**.24753**	**93.926**	**8.9003**	**.00527**	**2.6287**	**.29821**
Stddev	.00081	.00279	.36	.011	.00506	.017	.0769	.00028	.0079	.00015
%RSD	.26504	.80999	.13067	.01620	2.0460	.01801	.86356	5.3954	.30192	.05069
#1	.30651	.34624	277.92	66.566	.24394	93.938	8.9546	.00507	2.6231	.29832
#2	.30536	k .34230	k 277.40	66.551	.25111	93.914	8.8460	.00547	2.6344	.29811
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.984**	k **.25431**	**2.4070**	k **-.00940**	k **-.00135**	**3.3550**	k **-.00003**	**.51785**	k **.24078**	k **6.2094**
Stddev	.014	.00176	.0014	.00163	.00029	.0069	.00448	.00012	.17363	.0001
%RSD	.09671	.69353	.05591	17.329	21.200	.20516	12852.	.02283	72.115	.00138
#1	13.994	.25306	2.4080	-.01056	-.00156	3.3501	.00313	.51776	.11800	6.2095
#2	13.975	k .25555	2.4061	k -.00825	k -.00115	3.3599	k -.00320	.51793	k .36355	k 6.2093
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **.00159**	kF **-.14256**	^ *****	**1.2849**	k **.66405**
Stddev	.00402	.03200	-----	.0003	.00269
%RSD	252.32	22.445	-----	.02130	.40521
#1	.00444	-.11994	.03484	1.2847	.66596
#2	k -.00125	k -.16519	^ -----	1.2850	k .66215
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000			
Low Limit		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5144.1**	**72463.**	**6004.6**
Stddev	5.5	40.	22.6
%RSD	.10770	.05563	.37667
#1	5140.1	72435.	5988.6
#2	5148.0	72492.	6020.6

Sample Name: 280-19386-a-7-d Acquired: 8/25/2011 16:59:06 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00133**	**219.44**	k **.08465**	**.08922**	k **2.8670**	k **.01250**	kF **-.02618**	**109.09**	k **.01217**	k **.11762**
Stddev	.00079	.28	.00088	.00002	.0013	.00003	.00271	.22	.00015	.00043
%RSD	59.590	.12712	1.0385	.02570	.04668	.22907	10.368	.20181	1.2561	.36441
#1	k .00189	219.63	k .08527	.08924	k 2.8680	k .01252	k -.02810	109.25	k .01206	k .11731
#2	k .00077	219.24	k .08403	.08920	k 2.8661	k .01248	k -.02426	108.93	k .01228	k .11792
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							100.00			
Low Limit							-.02000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.26307**	k **.30700**	k **250.42**	**62.253**	**.22022**	**93.301**	**8.9276**	**.00395**	**3.2737**	**.26822**
Stddev	.00121	.00022	.17	.044	.00227	.090	.0179	.00045	.0243	.00001
%RSD	.46074	.07209	.06662	.07103	1.0317	.09603	.20010	11.399	.74347	.00325
#1	k .26221	k .30685	k 250.54	62.284	.21861	93.364	8.9150	.00427	3.2565	.26821
#2	k .26393	k .30716	k 250.31	62.222	.22182	93.238	8.9402	.00363	3.2910	.26823
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.902**	k **.24303**	**2.6763**	k **-.00550**	k **-.00169**	**2.0542**	k **-.00051**	**.59103**	k **.32598**	k **4.4505**
Stddev	.020	.00200	.0084	.00011	.00414	.0109	.00084	.00054	.00131	.0065
%RSD	.14687	.82344	.31533	1.9551	245.19	.52943	164.86	.09089	.40127	.14663
#1	13.888	k .24445	2.6704	k -.00558	k .00124	2.0619	k .00008	.59141	k .32691	k 4.4551
#2	13.917	k .24162	2.6823	k -.00543	k -.00462	2.0465	k -.00110	.59065	k .32506	k 4.4459
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00118**	kF **-.15866**	^ *****	k **1.1771**	k **.62877**
Stddev	.00081	.01821	-----	.0011	.00174
%RSD	68.712	11.477	-----	.09301	.27688
#1	k -.00060	k -.14578	^ -----	k 1.1779	k .63000
#2	k -.00175	k -.17153	^ -----	k 1.1763	k .62754
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000			
Low Limit		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5092.8**	**71939.**	**5910.2**
Stddev	5.4	30.	2.1
%RSD	.10552	.04136	.03606
#1	5096.6	71918.	5908.7
#2	5089.0	71960.	5911.7

Sample Name: 280-19386-a-8-d Acquired: 8/25/2011 17:02:21 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00142**	**215.20**	k **.07558**	**.10049**	k **2.6304**	k **.01157**	kF **-.02562**	**90.067**	k **.01088**	k **.11025**
Stddev	.00037	.35	.00050	.00102	.0021	.00001	.00223	.081	.00019	.00020
%RSD	25.964	.16492	.65866	1.0123	.07957	.06767	8.7117	.08950	1.7063	.17804
#1	k .00168	214.95	k .07593	.10121	k 2.6289	k .01158	k -.02404	90.010	k .01074	k .11039
#2	k .00116	215.45	k .07523	.09977	k 2.6319	k .01157	k -.02720	90.124	k .01101	k .11011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							100.00			
Low Limit							-.02000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25217**	k **.28346**	k **241.29**	**58.886**	**.21439**	**87.568**	**8.0748**	**.00463**	**3.6735**	**.24622**
Stddev	.00066	.00061	.30	.084	.00045	.151	.0073	.00019	.0029	.00011
%RSD	.26279	.21574	.12311	.14193	.20840	.17248	.09052	4.0927	.07955	.04531
#1	.25264	k .28302	k 241.08	58.827	.21407	87.461	8.0696	.00450	3.6714	.24630
#2	.25171	k .28389	k 241.50	58.946	.21471	87.675	8.0800	.00477	3.6755	.24615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.656**	k **.22418**	**2.4864**	k **-.00920**	k **-.00275**	**3.0594**	k **-.00354**	**.55358**	k **.31275**	k **5.6092**
Stddev	.031	.00024	.0002	.00032	.00129	.0192	.00024	.00019	.00156	.0010
%RSD	.24143	.10699	.00885	3.4577	47.072	.62800	6.6940	.03366	.49965	.01819
#1	12.678	k .22435	2.4862	k -.00897	k -.00183	3.0729	k -.00337	.55345	k .31165	k 5.6099
#2	12.635	k .22401	2.4865	k -.00942	k -.00366	3.0458	k -.00371	.55372	k .31386	k 5.6085
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00053**	kW **-.07999**	^ *****	**1.1106**	k **.65459**
Stddev	.00061	.01442	-----	.0017	.00039
%RSD	113.42	18.026	-----	.14918	.05962
#1	k -.00011	k -.06979	^ -----	1.1095	k .65431
#2	k -.00096	k -.09019	^ -----	1.1118	k .65486
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4977.8**	**70177.**	**5757.9**
Stddev	2.7	36.	3.3
%RSD	.05481	.05075	.05795
#1	4975.8	70203.	5755.5
#2	4979.7	70152.	5760.3

Sample Name: 280-19386-a-9-d Acquired: 8/25/2011 17:05:37 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82729 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00055**	**224.98**	**.09812**	**.09680**	**2.9189**	**.01388**	**-.00435**	**170.52**	**.00918**	**.10801**
Stddev	.00010	.75	.00182	.00001	.0080	.00004	.00069	.56	.00007	.00027
%RSD	19.094	.33533	1.8573	.00971	.27343	.31537	15.881	.32886	.73734	.25444
#1	-.00047	224.45	.09941	.09679	2.9133	.01385	-.00387	170.12	.00913	.10820
#2	-.00062	225.51	.09684	.09680	2.9245	.01391	-.00484	170.92	.00922	.10781
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27845**	**.32887**	**259.58**	**56.452**	**.22520**	**109.50**	**7.9674**	**.00647**	**2.6357**	**.28782**
Stddev	.00045	.00137	.67	.187	.00355	.16	.0435	.00007	.0028	.00098
%RSD	.16149	.41508	.25957	.33085	1.5760	.14930	.54533	1.0429	.10506	.34078
#1	.27877	.32790	259.10	56.319	.22269	109.38	7.9981	.00652	2.6377	.28851
#2	.27814	.32983	260.05	56.584	.22771	109.61	7.9366	.00643	2.6338	.28713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.189**	**.23136**	**2.9024**	W **-.01048**	**-.00034**	**1.8513**	**.00518**	**.60827**	**.10363**	**5.5361**
Stddev	.050	.00137	.0122	.00214	.00383	.0239	.00072	.00130	.00026	.0034
%RSD	.35290	.59287	.42152	20.427	1125.6	1.2915	13.926	.21428	.24869	.06116
#1	14.225	.23233	2.8938	-.01200	.00237	1.8682	.00467	.60735	.10381	5.5337
#2	14.154	.23039	2.9111	-.00897	-.00305	1.8344	.00569	.60919	.10345	5.5385
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				2.0000						
Low Limit				-.01000						

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00202**	F **-.10348**	**.04925**	**1.1234**	**.51796**
Stddev	.00056	.02079	.00150	.0014	.00159
%RSD	27.428	20.087	3.0453	.11997	.30707
#1	.00163	-.08878	.04819	1.1225	.51684
#2	.00242	-.11818	.05031	1.1244	.51909
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000			
Low Limit		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5054.0**	**71168.**	**5859.8**
Stddev	21.2	53.	10.8
%RSD	.41881	.07473	.18485
#1	5039.0	71131.	5867.5
#2	5068.9	71206.	5852.2

Sample Name: CCVH-940568 Acquired: 8/25/2011 17:08:53 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02480**	**49.894**	**-.00246**	**.00147**	**.00051**	**-.00022**	**.99067**	**.04608**	**-.00112**	**.00194**	**.00008**	**-.00376**	**50.185**
Stddev	.00020	.092	.00048	.00039	.00007	.00001	.00217	.00175	.00031	.00027	.00019	.00017	.048
%RSD	.82230	.18353	19.359	26.350	13.382	4.0301	.21913	3.8048	27.316	13.955	236.18	4.5573	.09655
#1	-.02466	49.829	-.00280	.00174	.00056	-.00022	.98914	.04484	-.00090	.00175	.00022	-.00364	50.151
#2	-.02495	49.958	-.00212	.00120	.00046	-.00023	.99221	.04732	-.00133	.00213	-.00005	-.00388	50.219
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25651**	**.00902**	**-.09533**	**.00443**	**-.00242**	**262.51**	**.00129**	**.00299**	**-.00092**	**5.0508**	**-.00927**	**.01206**	**.03941**
Stddev	.03002	.00142	.00178	.00002	.00005	.41	.00024	.00176	.00023	.0033	.00029	.00586	.00029
%RSD	11.701	15.724	1.8706	.34593	2.1552	.15690	18.730	58.787	24.800	.06582	3.0867	48.612	.73181
#1	.27774	.00801	-.09659	.00442	-.00238	262.80	.00112	.00423	-.00108	5.0484	-.00947	.01621	.03961
#2	.23529	.01002	-.09407	.00444	-.00246	262.22	.00146	.00175	-.00076	5.0531	-.00906	.00791	.03920
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00100**	**.00047**	**4.9565**	**.00510**	**.00383**	**10.663**	**-.01004**	**.00884**	**.02043**
Stddev	.00054	.00026	.0034	.00009	.00059	.043	.00022	.00009	.00247
%RSD	54.296	54.480	.06791	1.7313	15.344	.40655	2.1642	1.0278	12.098
#1	.00061	.00066	4.9588	.00504	.00424	10.694	-.01019	.00891	.01869
#2	.00138	.00029	4.9541	.00517	.00341	10.633	-.00988	.00878	.02218
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3960.0**	**57240.**	**4326.1**
Stddev	6.7	82.	6.1
%RSD	.16895	.14324	.14188
#1	3964.7	57298.	4330.4
#2	3955.2	57182.	4321.7

Sample Name: CCV-940591 Acquired: 8/25/2011 17:11:23 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52844**	**.51352**	**1.0301**	**.51515**	**.51633**	**.51159**	**.00322**	**5.0144**	**.52115**	**.50297**	**.50408**	**.52755**	**2.5536**
Stddev	.00077	.00090	.0015	.00238	.00002	.00115	.00147	.0015	.00064	.00021	.00041	.00016	.0060
%RSD	.14646	.17497	.14714	.46265	.00469	.22421	45.801	.03049	.12261	.04088	.08153	.03104	.23589
#1	.52898	.51289	1.0311	.51347	.51632	.51240	.00217	5.0134	.52070	.50282	.50379	.52767	2.5579
#2	.52789	.51416	1.0290	.51684	.51635	.51077	.00426	5.0155	.52161	.50312	.50437	.52743	2.5494
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.786**	**1.0299**	**20.904**	**.52408**	**.51502**	**5.3557**	**.50957**	**.98207**	**1.0399**	**-.00104**	**1.0179**	**1.0209**	**5.0318**
Stddev	.105	.0006	.005	.00071	.00109	.0099	.00003	.00130	.0017	.00270	.0029	.0001	.0123
%RSD	.20697	.05813	.02435	.13456	.21235	.18436	.00634	.13209	.16743	259.27	.28116	.01329	.24381
#1	50.861	1.0295	20.908	.52458	.51579	5.3627	.50955	.98116	1.0387	-.00295	1.0199	1.0208	5.0231
#2	50.712	1.0304	20.901	.52358	.51424	5.3487	.50960	.98299	1.0412	.00087	1.0159	1.0210	5.0404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0179**	**.52389**	**-.00079**	**.50427**	**1.0215**	**.01009**	**.52459**	**.52248**	**.52522**
Stddev	.0013	.00064	.00103	.00046	.0008	.02090	.00251	.00154	.00238
%RSD	.12351	.12223	129.49	.09090	.08174	207.04	.47787	.29435	.45282
#1	1.0188	.52434	-.00152	.50395	1.0210	.02487	.52637	.52357	.52691
#2	1.0170	.52344	-.00007	.50460	1.0221	-.00468	.52282	.52140	.52354
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4014.8**	**58544.**	**4343.2**
Stddev	8.6	46.	22.2
%RSD	.21368	.07788	.51156
#1	4008.7	58512.	4327.5
#2	4020.9	58576.	4358.9

Sample Name: CCB Acquired: 8/25/2011 17:13:44 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00058**	**.00058**	**.00128**	**-.00018**	**.00002**	**.00244**	**.00399**	**.00033**	**.00009**	**.00007**
Stddev	.00013	.00031	.00119	.00043	.00022	.00010	.00223	.00145	.00001	.00015	.00025
%RSD	84.989	53.460	204.47	33.547	118.83	657.36	91.562	36.292	3.2112	168.83	364.23
#1	-.00006	.00036	-.00026	.00098	-.00003	-.00006	.00401	.00297	.00034	.00019	-.00011
#2	-.00024	.00080	.00142	.00159	-.00034	.00009	.00086	.00502	.00032	-.00002	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00033**	**.03837**	F **.00769**	**-.00033**	**.00009**	**.00246**	**.01991**	**.00041**	**-.00031**	**-.00109**
Stddev	.00001	.00022	.02830	.00336	.00073	.00003	.00051	.01095	.00023	.00223	.00025
%RSD	6.5923	66.688	73.745	43.727	221.56	30.581	20.888	54.990	56.460	727.48	23.261
#1	.00016	-.00048	.05838	.01006	.00019	.00007	.00210	.02765	.00057	-.00188	-.00091
#2	.00017	-.00017	.01836	.00531	-.00084	.00011	.00283	.01217	.00025	.00127	-.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00522							
Low Limit				-.00522							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00178**	F **.00808**	W **.00661**	**.01313**	**.00094**	**.00020**	**-.00219**	**.00044**	**.00033**	**-.01429**	**-.00006**
Stddev	.00055	.00167	.00101	.00218	.00093	.00012	.00076	.00002	.00085	.00171	.00071
%RSD	30.997	20.619	15.220	16.626	99.764	59.032	34.797	4.8763	261.44	11.947	1161.7
#1	.00217	.00691	.00589	.01158	.00028	.00011	-.00272	.00043	-.00028	-.01549	-.00056
#2	.00139	.00926	.00732	.01467	.00160	.00028	-.00165	.00046	.00093	-.01308	.00044
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00141**	F **.00554**
Stddev	.00048	.00124
%RSD	34.058	22.357
#1	.00107	.00466
#2	.00175	.00642
Check ?	Chk Pass	Chk Fail
High Limit		.00476
Low Limit		-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4065.1**	**60083.**	**4325.6**
Stddev	6.5	34.	10.7
%RSD	.16093	.05732	.24739
#1	4069.7	60107.	4318.0
#2	4060.4	60058.	4333.2

Sample Name: CCVL942742 Acquired: 8/25/2011 17:16:20 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01111**	**.10602**	**.01248**	**.10327**	**.01044**	**.00101**	F **.13593**	**.21785**	**.00550**	**.01064**	**.01028**
Stddev	.00015	.00118	.00122	.00073	.00074	.00001	.00042	.00259	.00005	.00033	.00015
%RSD	1.3265	1.1123	9.7814	.70889	7.0923	.51282	.31004	1.1882	.82592	3.0980	1.4712
#1	.01100	.10685	.01334	.10379	.01096	.00101	.13623	.21602	.00547	.01041	.01017
#2	.01121	.10518	.01161	.10275	.00992	.00101	.13563	.21968	.00553	.01087	.01039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01700**	**.10408**	**3.1224**	F **.01700**	**.22327**	**.01109**	**.02017**	**1.1104**	**.04268**	**2.8668**	**.00886**
Stddev	.00010	.00085	.0707	.00051	.00038	.00000	.00010	.0064	.00036	.0048	.00036
%RSD	.56934	.81415	2.2638	2.9794	.16908	.03935	.48445	.57235	.85057	.16596	4.0418
#1	.01707	.10467	3.1723	.01664	.22353	.01108	.02024	1.1149	.04294	2.8702	.00911
#2	.01693	.10348	3.0724	.01736	.22300	.01109	.02010	1.1059	.04243	2.8634	.00860
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00450**	**.00995**	**.01435**	**.47430**	**.10257**	**.01078**	**.01306**	**.01033**	**.01758**	F **.09690**	**.01030**
Stddev	.00588	.00009	.00160	.02555	.00108	.00009	.00054	.00014	.00100	.01018	.00007
%RSD	130.80	.93476	11.168	5.3877	1.0523	.85183	4.1031	1.3248	5.6729	10.508	.65395
#1	.00866	.00988	.01322	.49237	.10333	.01084	.01268	.01043	.01828	.10411	.01035
#2	.00034	.01001	.01548	.45623	.10181	.01071	.01344	.01024	.01687	.08970	.01025
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value										.06000	
Range										30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	W **.02423**	F **.02248**
Stddev	.00002	.00231
%RSD	.08577	10.293
#1	.02424	.02412
#2	.02421	.02085
Check ?	Chk Warn	Chk Fail
Value	.02000	.01500
Range	20.000%	30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4122.7**	**60604.**	**4399.5**
Stddev	2.8	2.	15.8
%RSD	.06687	.00374	.35822
#1	4120.8	60602.	4388.4
#2	4124.7	60606.	4410.7

Sample Name: mb 280-82546/1-a Acquired: 8/25/2011 17:18:52 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82546 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00019	.00087	-.00100	.00060	-.00020	-.00001	.00025	.00806	.00011	-.00016
Stddev	.00005	.00002	.00074	.00004	.00025	.00011	.00112	.00163	.00017	.00004
%RSD	24.137	1.9157	74.047	6.9291	126.71	943.23	444.95	20.179	149.95	27.884
#1	.00023	.00088	-.00047	.00063	-.00038	-.00009	-.00054	.00921	.00023	-.00013
#2	.00016	.00085	-.00152	.00057	-.00002	.00006	.00104	.00691	-.00001	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00005	.00015	-.00046	-.04089	W .00772	-.00079	.00021	-.00001	-.01041	.00009
Stddev	.00021	.00005	.00154	.00644	.00510	.00002	.00003	.00001	.01349	.00010
%RSD	402.85	31.543	336.03	15.744	66.149	3.1204	12.243	60.935	129.57	112.78
#1	-.00020	.00018	.00063	-.03633	.00411	-.00080	.00019	-.00002	-.00087	.00002
#2	.00010	.00012	-.00154	-.04544	.01132	-.00077	.00023	-.00001	-.01994	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00500					
Low Limit					-.00500					

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00115	-.00089	.00217	-.00092	-.00112	.00842	.00002	.00029	-.00154	.00027
Stddev	.00542	.00072	.00202	.00074	.00325	.01903	.00085	.00005	.00114	.00008
%RSD	472.50	80.677	93.192	80.822	290.24	226.14	5306.2	17.161	74.052	30.917
#1	-.00498	-.00140	.00074	-.00039	.00118	-.00504	.00062	.00026	-.00234	.00032
#2	.00268	-.00038	.00360	-.00145	-.00341	.02188	-.00059	.00033	-.00073	.00021
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00057	.00708	-.00007	.00129	.00454
Stddev	.00174	.00521	.00029	.00002	.00051
%RSD	305.60	73.600	436.65	1.2860	11.306
#1	.00180	.00339	.00014	.00130	.00490
#2	-.00066	.01076	-.00027	.00127	.00418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4130.5	60935.	4388.4
Stddev	9.0	283.	4.9
%RSD	.21716	.46510	.11065
#1	4136.8	60735.	4391.9
#2	4124.2	61136.	4385.0

Sample Name: lcs 280-82546/2-a Acquired: 8/25/2011 17:21:28 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82546 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04867**	**1.8841**	**1.0407**	**1.0012**	**2.0648**	**.05139**	F **2.3281**	**49.426**	**.10632**	**.48615**
Stddev	.00033	.0195	.0039	.0000	.0026	.00012	.0005	.006	.00007	.00008
%RSD	.68773	1.0334	.37414	.00222	.12649	.22501	.02147	.01289	.06278	.01550
#1	.04843	1.8978	1.0434	1.0012	2.0629	.05131	2.3285	49.431	.10637	.48609
#2	.04890	1.8703	1.0379	1.0012	2.0666	.05147	2.3277	49.422	.10627	.48620
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19855**	**.26147**	**1.0159**	**51.174**	**1.0268**	**51.497**	**.51868**	**1.0421**	**53.557**	**.49237**
Stddev	.00003	.00029	.0082	.008	.0057	.062	.00074	.0028	.325	.00064
%RSD	.01391	.11271	.80918	.01614	.55378	.12022	.14197	.26463	.60736	.12962
#1	.19857	.26168	1.0101	51.180	1.0308	51.453	.51816	1.0441	53.327	.49283
#2	.19853	.26126	1.0217	51.168	1.0228	51.540	.51920	1.0402	53.787	.49192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8671**	**.50725**	**-.01001**	**.51526**	**2.0395**	**9.9471**	**2.0251**	**1.0512**	**.99828**	**1.0261**
Stddev	.0055	.00037	.00681	.00124	.0073	.0024	.0059	.0000	.00145	.0018
%RSD	.05587	.07230	68.096	.24010	.35752	.02365	.29243	.00112	.14528	.17296
#1	9.8709	.50699	-.01482	.51614	2.0343	9.9454	2.0292	1.0512	.99725	1.0248
#2	9.8632	.50751	-.00519	.51439	2.0446	9.9487	2.0209	1.0512	.99931	1.0274
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9701**	**2.1952**	**.52696**	**.51691**	**.54258**
Stddev	.0004	.0362	.00107	.00166	.00267
%RSD	.01909	1.6477	.20269	.32052	.49144
#1	1.9699	2.2208	.52621	.51574	.54446
#2	1.9704	2.1696	.52772	.51808	.54069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3946.0**	**57507.**	**4359.9**
Stddev	8.5	70.	3.0
%RSD	.21575	.12112	.06966
#1	3952.0	57556.	4362.1
#2	3940.0	57458.	4357.8

Sample Name: 280-19384-g-16-d Acquired: 8/25/2011 17:23:46 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82546 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.00651**	**.00055**	**.00197**	**-.00050**	**-.00004**	**.00064**	**.02096**	**.00029**	**.00023**
Stddev	.00005	.00058	.00196	.00000	.00040	.00002	.00106	.00393	.00023	.00009
%RSD	9.3219	8.9629	354.74	.24554	79.699	44.437	166.54	18.766	79.570	38.324
#1	-.00052	.00610	.00194	.00197	-.00079	-.00003	-.00011	.02374	.00013	.00017
#2	-.00059	.00692	-.00083	.00198	-.00022	-.00005	.00139	.01818	.00045	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00001**	**.01046**	**.01351**	**.00781**	**.00136**	**.00039**	**.00467**	**.01282**	**.00012**
Stddev	.00026	.00055	.00078	.02982	.00305	.00036	.00005	.00141	.00114	.00011
%RSD	87.494	3995.5	7.4447	220.76	39.045	26.310	12.226	30.239	8.8713	93.915
#1	.00012	.00038	.01102	.03460	.00566	.00111	.00042	.00367	.01202	.00004
#2	.00049	-.00041	.00991	-.00758	.00997	.00162	.00036	.00567	.01363	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00101**	**.00009**	**-.00088**	**.00083**	**.00883**	**.03390**	**.00097**	**.00029**	**.00001**	**.00098**
Stddev	.00311	.00034	.00399	.00114	.00029	.00820	.00091	.00001	.00023	.00044
%RSD	309.07	371.10	451.52	137.31	3.3045	24.177	94.034	3.1313	1670.5	45.495
#1	.00321	.00033	.00194	.00164	.00904	.02810	.00032	.00029	.00018	.00066
#2	-.00119	-.00015	-.00371	.00002	.00863	.03969	.00161	.00030	-.00015	.00129
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00097**	**-.04073**	**-.00026**	**.00089**	**.00595**
Stddev	.00311	.03109	.00083	.00002	.00075
%RSD	321.45	76.336	319.73	2.0863	12.515
#1	-.00123	-.06272	.00033	.00090	.00543
#2	.00316	-.01875	-.00085	.00088	.00648
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4124.8**	**60813.**	**4351.7**
Stddev	4.5	106.	23.4
%RSD	.10802	.17385	.53740
#1	4121.6	60738.	4335.1
#2	4127.9	60888.	4368.2

Sample Name: 280-19384-g-16-dSD@5 Acquired: 8/25/2011 17:26:23 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82546 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**.00124**	**.00126**	**.00084**	**-.00018**	**-.00010**	**.00402**	**.03150**	**.00037**	**.00008**
Stddev	.00038	.00025	.00018	.00032	.00025	.00007	.00230	.00037	.00010	.00005
%RSD	81.790	19.981	13.956	37.890	139.76	68.419	57.262	1.1855	27.141	65.562
#1	-.00074	.00141	.00113	.00062	-.00036	-.00014	.00239	.03176	.00044	.00011
#2	-.00020	.00106	.00138	.00107	.00000	-.00005	.00565	.03123	.00030	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00006**	**.00662**	**.00896**	**.00606**	**.01221**	**.00017**	**.00020**	**-.02188**	**-.00002**
Stddev	.00004	.00014	.00154	.01001	.00094	.00113	.00003	.00031	.00204	.00016
%RSD	177.36	228.43	23.227	111.71	15.578	9.2418	16.919	156.41	9.3343	696.04
#1	.00005	-.00016	.00771	.00188	.00673	.01141	.00019	-.00002	-.02332	-.00013
#2	-.00001	.00004	.00554	.01604	.00540	.01301	.00015	.00042	-.02044	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00241**	**.00041**	**.00195**	**.00144**	**-.00247**	**-.01318**	**.00008**	**.00013**	**-.00092**	**.00016**
Stddev	.00019	.00036	.00292	.00261	.00023	.00518	.00086	.00004	.00179	.00006
%RSD	7.7355	89.433	149.46	181.90	9.4156	39.297	1019.2	31.495	195.16	37.624
#1	-.00254	.00066	.00402	-.00041	-.00263	-.01684	-.00052	.00016	-.00219	.00020
#2	-.00227	.00015	-.00011	.00328	-.00230	-.00952	.00069	.00010	.00035	.00012
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00995**	**-.00001**	**.00284**	**.00435**
Stddev	.00011	.01327	.00011	.00011	.00259
%RSD	55.427	133.38	1203.2	3.9718	59.603
#1	.00012	-.00057	.00007	.00276	.00618
#2	.00029	-.01933	-.00008	.00292	.00251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4077.6**	**60247.**	**4327.7**
Stddev	4.1	107.	.1
%RSD	.10113	.17681	.00265
#1	4080.5	60322.	4327.7
#2	4074.7	60171.	4327.6

Sample Name: 280-19384-g-16-e ms Acquired: 8/25/2011 17:29:02 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82546 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04918**	**1.9277**	**1.0445**	**1.0096**	**2.0896**	**.05197**	**2.3469**	**49.914**	**.10773**	**.49127**
Stddev	.00022	.0175	.0001	.0017	.0041	.00026	.0069	.153	.00026	.00025
%RSD	.45394	.90956	.01351	.17064	.19521	.50984	.29229	.30631	.24299	.05184
#1	.04934	1.9401	1.0444	1.0084	2.0925	.05216	2.3420	50.022	.10754	.49145
#2	.04902	1.9153	1.0446	1.0108	2.0868	.05178	2.3517	49.806	.10791	.49109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20104**	**.26357**	**1.0419**	**51.723**	**1.0386**	**52.118**	**.52489**	**1.0512**	**54.562**	**.49693**
Stddev	.00053	.00054	.0043	.052	.0021	.045	.00026	.0018	.253	.00007
%RSD	.26500	.20619	.41170	.09980	.20052	.08574	.04959	.17102	.46312	.01439
#1	.20066	.26318	1.0449	51.759	1.0401	52.086	.52507	1.0525	54.384	.49698
#2	.20141	.26395	1.0388	51.686	1.0371	52.149	.52470	1.0499	54.741	.49688
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9873**	**.51168**	**-.00858**	**.51624**	**2.0604**	**10.089**	**2.0405**	**1.0632**	**1.0112**	**1.0385**
Stddev	.0064	.00248	.00226	.00120	.0040	.020	.0003	.0038	.0024	.0008
%RSD	.06375	.48460	26.396	.23231	.19597	.19831	.01520	.35796	.23426	.07298
#1	9.9828	.51343	-.00698	.51709	2.0632	10.075	2.0407	1.0659	1.0129	1.0380
#2	9.9918	.50992	-.01018	.51539	2.0575	10.103	2.0403	1.0605	1.0095	1.0391
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9895**	**2.2488**	**.53339**	**.52282**	**.54484**
Stddev	.0028	.0091	.00002	.00019	.00287
%RSD	.13966	.40630	.00447	.03569	.52687
#1	1.9915	2.2424	.53340	.52269	.54687
#2	1.9876	2.2553	.53337	.52295	.54281
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3931.8**	**56894.**	**4342.8**
Stddev	3.8	89.	12.7
%RSD	.09585	.15710	.29254
#1	3934.5	56831.	4333.8
#2	3929.1	56957.	4351.8

Sample Name: 280-19384-g-16-f msd Acquired: 8/25/2011 17:31:20 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82546 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04852**	**1.9047**	**1.0399**	**1.0061**	**2.0728**	**.05185**	**2.3409**	**49.914**	**.10706**	**.48881**
Stddev	.00039	.0053	.0027	.0023	.0015	.00011	.0088	.079	.00038	.00073
%RSD	.79963	.27860	.25891	.23048	.07211	.22118	.37531	.15738	.35679	.15029
#1	.04825	1.9085	1.0418	1.0044	2.0717	.05177	2.3347	49.858	.10679	.48829
#2	.04880	1.9010	1.0380	1.0077	2.0738	.05193	2.3471	49.969	.10733	.48933
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19931**	**.26095**	**1.0437**	**51.432**	**1.0261**	**51.554**	**.52056**	**1.0491**	**53.867**	**.49479**
Stddev	.00032	.00166	.0029	.045	.0017	.051	.00097	.0018	.146	.00010
%RSD	.16268	.63546	.27557	.08699	.16505	.09985	.18611	.16986	.27104	.01990
#1	.19954	.25977	1.0417	51.400	1.0272	51.518	.51988	1.0478	53.970	.49472
#2	.19908	.26212	1.0457	51.464	1.0249	51.591	.52125	1.0503	53.764	.49486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9167**	**.51001**	**-.00624**	**.51599**	**2.0537**	**10.117**	**2.0264**	**1.0564**	**1.0060**	**1.0262**
Stddev	.0193	.00091	.00096	.00090	.0027	.031	.0028	.0015	.0016	.0022
%RSD	.19507	.17762	15.443	.17414	.12996	.30848	.13993	.14554	.16337	.21117
#1	9.9030	.50937	-.00556	.51663	2.0518	10.095	2.0244	1.0553	1.0071	1.0246
#2	9.9303	.51065	-.00693	.51536	2.0556	10.139	2.0285	1.0575	1.0048	1.0277
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9758**	**2.2272**	**.52568**	**.51692**	**.54559**
Stddev	.0078	.0174	.00055	.00055	.00873
%RSD	.39750	.78204	.10388	.10714	1.6006
#1	1.9702	2.2149	.52530	.51653	.53941
#2	1.9814	2.2395	.52607	.51731	.55176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3953.5**	**57481.**	**4338.2**
Stddev	5.3	97.	4.4
%RSD	.13432	.16941	.10178
#1	3957.3	57412.	4335.0
#2	3949.8	57550.	4341.3

Sample Name: 280-19384-g-16-dPDS Acquired: 8/25/2011 17:33:39 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82546 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04219**	**1.0110**	**.21436**	**.10336**	**.10592**	**.05251**	**-.00503**	**20.314**	**.05470**	**.05034**
Stddev	.00031	.0076	.00010	.00095	.00048	.00017	.00316	.013	.00004	.00021
%RSD	.73040	.75135	.04551	.91956	.45151	.32847	62.717	.06581	.06791	.41782
#1	.04241	1.0164	.21443	.10269	.10626	.05264	-.00280	20.323	.05467	.05019
#2	.04197	1.0056	.21429	.10403	.10558	.05239	-.00726	20.304	.05472	.05049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05193**	**.05451**	**1.0645**	**20.858**	**.10875**	**21.111**	**.05525**	**.05558**	**22.298**	**.05149**
Stddev	.00016	.00006	.0066	.056	.00279	.048	.00027	.00121	.287	.00027
%RSD	.29969	.10131	.61669	.26843	2.5637	.22634	.49178	2.1843	1.2860	.52033
#1	.05182	.05455	1.0599	20.897	.11072	21.145	.05544	.05472	22.501	.05168
#2	.05204	.05447	1.0692	20.818	.10678	21.077	.05506	.05644	22.095	.05130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9855**	**.10568**	**.00212**	**.10094**	**.21328**	**4.9531**	**.10066**	**.05596**	**.20514**	**.05105**
Stddev	.0070	.00033	.00097	.00009	.00565	.0256	.00110	.00012	.00024	.00031
%RSD	.35475	.30763	45.732	.09381	2.6496	.51632	1.0946	.21495	.11816	.59799
#1	1.9806	.10545	.00281	.10088	.20929	4.9350	.09988	.05605	.20497	.05127
#2	1.9905	.10591	.00144	.10101	.21728	4.9711	.10144	.05588	.20531	.05083
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.20882**	**.57464**	**.05424**	**.21659**	**.05791**
Stddev	.00049	.01286	.00042	.00027	.00170
%RSD	.23369	2.2385	.76997	.12589	2.9366
#1	.20847	.56555	.05454	.21678	.05911
#2	.20916	.58374	.05395	.21640	.05670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4035.8**	**59010.**	**4370.6**
Stddev	8.7	228.	4.7
%RSD	.21648	.38579	.10828
#1	4029.6	58849.	4374.0
#2	4042.0	59171.	4367.3

Sample Name: CCVH-940568 Acquired: 8/25/2011 17:36:06 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02437**	**49.877**	**-.00362**	**.00223**	**.00010**	**-.00017**	**.99261**	**.02872**	**-.00096**	**.00205**	**.00003**	**-.00302**	**50.644**
Stddev	.00076	.058	.00109	.00029	.00020	.00002	.00307	.00315	.00007	.00023	.00023	.00052	.247
%RSD	3.1022	.11703	30.129	12.991	206.99	13.500	.30950	10.952	6.8251	11.015	731.19	17.135	.48821
#1	-.02491	49.918	-.00285	.00244	-.00005	-.00018	.99043	.02649	-.00101	.00189	-.00013	-.00266	50.818
#2	-.02384	49.836	-.00439	.00203	.00024	-.00015	.99478	.03094	-.00092	.00221	.00020	-.00339	50.469
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15203**	**.00767**	**-.09915**	**.00101**	**-.00183**	**264.32**	**.00138**	**.00373**	**.00034**	**5.0675**	**-.00761**	**.01520**	**.01869**
Stddev	.00934	.00504	.00274	.00002	.00029	1.10	.00003	.00090	.00007	.0016	.00055	.00180	.00698
%RSD	6.1418	65.693	2.7616	2.3465	15.825	.41567	1.9075	24.175	20.220	.03234	7.2734	11.853	37.332
#1	.14542	.00411	-.09721	.00103	-.00203	263.55	.00136	.00309	.00039	5.0663	-.00722	.01393	.02362
#2	.15863	.01124	-.10109	.00099	-.00162	265.10	.00140	.00436	.00029	5.0686	-.00800	.01647	.01376
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00149**	**.00056**	**4.9805**	**.00384**	**.00366**	**10.754**	**-.01001**	**.00493**	**.01694**
Stddev	.00004	.00007	.0035	.00018	.00023	.027	.00040	.00019	.00100
%RSD	2.5771	11.685	.07112	4.7583	6.3788	.24947	3.9879	3.9122	5.9306
#1	.00146	.00061	4.9830	.00371	.00383	10.773	-.01029	.00479	.01765
#2	.00151	.00051	4.9780	.00397	.00350	10.735	-.00973	.00507	.01623
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3937.5**	**56523.**	**4308.0**
Stddev	1.0	6.	6.2
%RSD	.02580	.01041	.14355
#1	3938.2	56519.	4303.7
#2	3936.8	56527.	4312.4

Sample Name: CCV-940591 Acquired: 8/25/2011 17:38:37 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52230**	**.50670**	**1.0281**	**.51511**	**.50975**	**.50879**	**.00535**	**4.9864**	**.51913**	**.49776**	**.49772**	**.52524**	**2.5714**
Stddev	.00067	.00124	.0000	.00080	.00423	.00391	.00046	.0397	.00080	.00008	.00154	.00003	.0235
%RSD	.12909	.24449	.00046	.15584	.83059	.76826	8.6328	.79703	.15318	.01540	.30851	.00560	.91557
#1	.52277	.50758	1.0281	.51454	.50675	.50602	.00503	4.9583	.51970	.49782	.49881	.52522	2.5547
#2	.52182	.50582	1.0281	.51568	.51274	.51155	.00568	5.0145	.51857	.49771	.49664	.52526	2.5880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.133**	**1.0149**	**20.779**	**.52361**	**.51483**	**5.3286**	**.50536**	**.97208**	**1.0381**	**.00442**	**1.0128**	**1.0127**	**4.9967**
Stddev	.425	.0098	.008	.00006	.00132	.0448	.00012	.00165	.0020	.00076	.0037	.0017	.0348
%RSD	.84732	.97091	.03788	.01208	.25653	.84010	.02355	.17013	.19009	17.273	.36761	.17018	.69598
#1	49.832	1.0079	20.785	.52357	.51576	5.2970	.50544	.97325	1.0395	.00388	1.0102	1.0139	4.9721
#2	50.433	1.0218	20.773	.52366	.51389	5.3603	.50528	.97091	1.0367	.00496	1.0154	1.0115	5.0213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0132**	**.51882**	**.00079**	**.49923**	**1.0081**	**-.01593**	**.51968**	**.52321**	**.52604**
Stddev	.0015	.00444	.00050	.00060	.0041	.03712	.00091	.00177	.00489
%RSD	.14516	.85653	63.763	.11962	.40445	233.07	.17472	.33876	.93022
#1	1.0143	.51568	.00043	.49881	1.0109	-.04217	.52032	.52196	.52258
#2	1.0122	.52197	.00114	.49966	1.0052	.01032	.51904	.52446	.52950
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4034.6**	**58966.**	**4348.0**
Stddev	3.3	88.	.5
%RSD	.08232	.14973	.01169
#1	4032.3	59029.	4348.3
#2	4037.0	58904.	4347.6

Sample Name: CCB Acquired: 8/25/2011 17:40:57 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00004**	**.00376**	W **.00160**	**.00004**	**-.00005**	**.00124**	**.00505**	**.00021**	**-.00001**	**.00001**
Stddev	.00014	.00084	.00034	.00048	.00043	.00001	.00029	.00215	.00003	.00019	.00026
%RSD	78.952	2217.2	9.1360	29.913	1235.9	15.973	23.089	42.682	14.943	2702.7	1898.5
#1	.00008	.00063	.00400	.00194	-.00027	-.00004	.00144	.00352	.00023	-.00014	-.00017
#2	.00028	-.00055	.00351	.00126	.00034	-.00005	.00103	.00657	.00019	.00012	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.00322**	**.01093**	F **.00733**	**.00034**	**.00005**	**.00296**	**.03097**	**.00019**	**-.00309**	**.00107**
Stddev	.00019	.00019	.02167	.00076	.00007	.00001	.00098	.02671	.00011	.00065	.00032
%RSD	620.61	5.9244	198.32	10.410	20.749	18.732	33.050	86.246	55.763	21.017	29.547
#1	.00010	-.00335	.02625	.00679	.00029	.00004	.00227	.01208	.00027	-.00263	.00129
#2	-.00017	-.00308	-.00440	.00787	.00039	.00005	.00366	.04986	.00012	-.00355	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00522							
Low Limit				-.00522							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00137**	F **.00877**	W **.00504**	**.01198**	**.00089**	**.00009**	**-.00121**	**.00012**	**.00147**	**-.02085**	**.00021**
Stddev	.00273	.00397	.00189	.01078	.00024	.00011	.00084	.00003	.00136	.04648	.00029
%RSD	199.76	45.337	37.477	90.002	26.823	111.36	68.914	28.609	92.302	222.95	137.76
#1	-.00056	.00596	.00637	.00436	.00106	.00017	-.00062	.00009	.00051	-.05371	.00001
#2	.00330	.01158	.00370	.01960	.00072	.00002	-.00181	.00014	.00243	.01202	.00042
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00154**	**.00200**
Stddev	.00008	.00271
%RSD	5.4906	135.80
#1	.00148	.00008
#2	.00160	.00392
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4063.6**	**60060.**	**4319.2**
Stddev	7.0	69.	16.0
%RSD	.17309	.11550	.37041
#1	4068.6	60109.	4330.5
#2	4058.7	60011.	4307.9

Sample Name: CCVL-942742 Acquired: 8/25/2011 17:43:32 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01106**	**.10471**	**.01465**	**.10253**	**.01019**	**.00102**	F **.13183**	**.20632**	**.00545**	**.01022**	**.01021**
Stddev	.00099	.00183	.00145	.00052	.00006	.00003	.00438	.00386	.00001	.00008	.00004
%RSD	8.9364	1.7462	9.8696	.51005	.60319	2.6920	3.3203	1.8693	.22351	.74579	.36878
#1	.01037	.10600	.01568	.10290	.01023	.00100	.12873	.20905	.00544	.01027	.01023
#2	.01176	.10342	.01363	.10216	.01015	.00104	.13492	.20360	.00546	.01016	.01018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01595**	**.09992**	**3.0369**	F **.01831**	**.21837**	**.01094**	**.02015**	**1.1171**	**.04210**	**2.8297**	**.00981**
Stddev	.00012	.00137	.0121	.00365	.00254	.00001	.00034	.0139	.00005	.0033	.00055
%RSD	.72558	1.3688	.39961	19.925	1.1651	.09544	1.7085	1.2438	.11166	.11568	5.6239
#1	.01587	.09896	3.0454	.02089	.22017	.01095	.01990	1.1269	.04207	2.8320	.01020
#2	.01603	.10089	3.0283	.01573	.21657	.01093	.02039	1.1072	.04213	2.8274	.00942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00157**	**.00989**	**.01452**	**.49726**	**.10276**	**.01070**	**.01421**	**.01013**	**.01783**	W **.07362**	**.01001**
Stddev	.00252	.00132	.00151	.01016	.00033	.00007	.00009	.00031	.00142	.01749	.00033
%RSD	160.04	13.368	10.382	2.0439	.31797	.63080	.65011	3.1049	7.9444	23.760	3.3002
#1	-.00021	.01082	.01345	.50445	.10253	.01065	.01427	.01036	.01883	.08599	.01025
#2	.00335	.00895	.01558	.49008	.10299	.01075	.01414	.00991	.01683	.06125	.00978
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value										.06000	
Range										20.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02293**	F **.01997**
Stddev	.00023	.00406
%RSD	.99349	20.318
#1	.02277	.02284
#2	.02309	.01710
Check ?	Chk Pass	Chk Fail
Value		.01500
Range		30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4139.1**	**61046.**	**4376.7**
Stddev	6.7	41.	1.8
%RSD	.16138	.06699	.04109
#1	4143.8	61018.	4377.9
#2	4134.4	61075.	4375.4

Sample Name: mb 280-82642/1-a Acquired: 8/25/2011 17:46:05 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00997**	**-.00257**	F **.01153**	**.00280**	**.00002**	**.00103**	**.05011**	**.00031**	**-.00012**
Stddev	.00017	.00011	.00220	.00005	.00009	.00000	.00033	.00393	.00012	.00010
%RSD	556.83	1.0892	85.708	.42360	3.2879	17.183	31.965	7.8384	37.206	89.228
#1	-.00009	.01005	-.00101	.01149	.00273	.00003	.00126	.04733	.00023	-.00019
#2	.00015	.00990	-.00413	.01156	.00286	.00002	.00079	.05289	.00039	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00080**	**.01951**	**.00906**	**.00442**	**.01611**	**.00066**	**-.00010**	**.10455**	**.00057**
Stddev	.00005	.00016	.00398	.00660	.00018	.00028	.00002	.00021	.01914	.00008
%RSD	18.167	20.170	20.378	72.935	3.9709	1.7128	2.8997	208.02	18.312	14.202
#1	.00024	.00068	.02232	.00439	.00454	.01630	.00065	-.00025	.09101	.00051
#2	.00031	.00091	.01670	.01373	.00430	.01591	.00067	.00005	.11808	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00422**	**-.00103**	**.03407**	**.00076**	**-.00102**	W **.06443**	**.00958**	**.00061**	**-.00095**	**.00084**
Stddev	.00047	.00159	.00138	.00186	.00060	.00104	.00034	.00005	.00005	.00026
%RSD	11.018	153.51	4.0510	243.37	58.806	1.6213	3.5465	7.6750	5.3810	31.543
#1	.00455	.00009	.03505	-.00055	-.00059	.06369	.00982	.00058	-.00099	.00065
#2	.00389	-.00216	.03310	.00208	-.00144	.06517	.00934	.00065	-.00091	.00103
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.05000				
Low Limit						-.05000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**-.01301**	**-.00023**	**.00310**	W **.00510**
Stddev	.00178	.03143	.00092	.00009	.00017
%RSD	324.34	241.60	402.89	2.8110	3.2348
#1	.00181	.00922	.00042	.00316	.00522
#2	-.00071	-.03523	-.00088	.00304	.00499
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					.00500
Low Limit					-.00500

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4175.5**	**62206.**	**4495.5**
Stddev	2.0	167.	38.5
%RSD	.04809	.26912	.85535
#1	4177.0	62088.	4522.7
#2	4174.1	62324.	4468.4

Sample Name: lcs 280-82642/2-a Acquired: 8/25/2011 17:48:41 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04633**	**1.8338**	**1.0023**	**.99824**	**2.0284**	**.05048**	F **2.2864**	**48.811**	**.10348**	**.47499**
Stddev	.00114	.0089	.0006	.00311	.0015	.00010	.0028	.006	.00010	.00017
%RSD	2.4633	.48308	.05945	.31113	.07336	.20727	.12201	.01224	.09433	.03502
#1	.04714	1.8400	1.0027	.99604	2.0295	.05055	2.2844	48.806	.10342	.47487
#2	.04552	1.8275	1.0019	1.0004	2.0274	.05040	2.2884	48.815	.10355	.47511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19397**	**.25619**	**1.0278**	**50.224**	**.99932**	**49.624**	**.50367**	**1.0024**	**52.550**	**.48306**
Stddev	.00011	.00028	.0052	.048	.00224	.042	.00035	.0011	.021	.00004
%RSD	.05565	.11032	.50245	.09644	.22407	.08465	.06899	.10750	.04065	.00900
#1	.19405	.25599	1.0242	50.190	.99773	49.654	.50392	1.0032	52.565	.48309
#2	.19389	.25639	1.0315	50.259	1.0009	49.594	.50343	1.0017	52.535	.48303
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6015**	**.49642**	**.02749**	**.49250**	**1.9622**	**3.8551**	**1.9424**	**1.0320**	**.97477**	**.98859**
Stddev	.0123	.00156	.00113	.00378	.0053	.0358	.0001	.0002	.00281	.00084
%RSD	.12828	.31382	4.1085	.76799	.27142	.92760	.00521	.01908	.28788	.08476
#1	9.5928	.49531	.02829	.48983	1.9660	3.8298	1.9423	1.0322	.97676	.98918
#2	9.6102	.49752	.02670	.49518	1.9585	3.8804	1.9425	1.0319	.97279	.98800
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9201**	**2.1772**	**.50864**	**.49798**	**.52367**
Stddev	.0017	.0128	.00211	.00129	.00154
%RSD	.08793	.58657	.41423	.25807	.29462
#1	1.9189	2.1681	.51013	.49889	.52476
#2	1.9213	2.1862	.50715	.49707	.52258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4002.5**	**58492.**	**4390.6**
Stddev	5.2	16.	3.0
%RSD	.13103	.02750	.06723
#1	4006.2	58480.	4392.6
#2	3998.8	58503.	4388.5

Sample Name: 280-19157-a-11-b Acquired: 8/25/2011 17:51:01 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**92.981**	**.09055**	**.06564**	**1.1432**	**.00507**	**-.00964**	**143.68**	**.00326**	**.08669**
Stddev	.00032	.042	.00175	.00022	.0026	.00004	.00303	.29	.00007	.00008
%RSD	40.014	.04502	1.9308	.32778	.23053	.74219	31.394	.20104	2.2716	.09506
#1	-.00102	92.951	.09179	.06579	1.1414	.00510	-.01178	143.47	.00320	.08664
#2	-.00057	93.010	.08932	.06548	1.1451	.00505	-.00750	143.88	.00331	.08675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14555**	**.17864**	**226.77**	**24.665**	**.09035**	**86.819**	**3.9704**	**.01200**	**3.0615**	**.30462**
Stddev	.00054	.00004	.73	.022	.00222	.101	.0095	.00040	.0093	.00039
%RSD	.37197	.02052	.32108	.09056	2.4610	.11649	.23938	3.3643	.30409	.12857
#1	.14517	.17867	226.26	24.649	.09192	86.748	3.9637	.01171	3.0681	.30434
#2	.14593	.17862	227.29	24.681	.08877	86.891	3.9771	.01229	3.0550	.30489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.1153**	**.15991**	**1.7412**	**-.00663**	**.01436**	**6.1272**	**.00435**	**.47427**	**.04863**	**1.8748**
Stddev	.0227	.00170	.0009	.00360	.00311	.0289	.00000	.00031	.00023	.0031
%RSD	.31853	1.0631	.05346	54.370	21.645	.47100	.00626	.06551	.47809	.16252
#1	7.0993	.15871	1.7418	-.00918	.01216	6.1476	.00435	.47449	.04879	1.8726
#2	7.1313	.16111	1.7405	-.00408	.01656	6.1068	.00435	.47405	.04846	1.8769
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00139**	**.03731**	**.19462**	**.58460**	**.09594**
Stddev	.00106	.03278	.00163	.00155	.00021
%RSD	76.143	87.852	.83823	.26479	.21652
#1	.00214	.01413	.19346	.58351	.09609
#2	.00064	.06049	.19577	.58570	.09580
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4324.7**	**62415.**	**4861.8**
Stddev	15.9	235.	17.0
%RSD	.36695	.37613	.34968
#1	4335.9	62581.	4873.9
#2	4313.5	62249.	4849.8

Sample Name: 280-19157-b-12-b Acquired: 8/25/2011 17:53:33 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**97.258**	**.07353**	**.06881**	**1.4430**	**.00500**	**-.00866**	**230.89**	**.00260**	**.07785**
Stddev	.00031	.329	.00457	.00001	.0049	.00004	.00246	1.58	.00015	.00021
%RSD	59.028	.33782	6.2199	.00740	.34235	.84215	28.444	.68324	5.7204	.27466
#1	-.00075	97.026	.07676	.06882	1.4395	.00503	-.00692	232.00	.00249	.07770
#2	-.00031	97.491	.07029	.06881	1.4465	.00497	-.01041	229.77	.00270	.07800
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13154**	**.16733**	**199.21**	**22.462**	**.09879**	**76.023**	**3.4740**	**.00697**	**5.4714**	**.27530**
Stddev	.00013	.00082	.84	.070	.00209	.155	.0077	.00011	.0212	.00092
%RSD	.09873	.49021	.41987	.31172	2.1174	.20403	.22095	1.6169	.38756	.33556
#1	.13163	.16675	198.62	22.413	.10027	75.913	3.4795	.00705	5.4564	.27596
#2	.13145	.16791	199.80	22.512	.09731	76.132	3.4686	.00689	5.4864	.27465
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.5827**	**.13809**	**1.6691**	**-.00705**	**.00465**	**3.9197**	**.00232**	**.68720**	**.04195**	**1.5597**
Stddev	.0043	.00028	.0027	.00202	.00341	.0050	.00042	.00372	.00093	.0027
%RSD	.06451	.20537	.16126	28.591	73.419	.12838	18.071	.54129	2.2271	.17390
#1	6.5797	.13789	1.6710	-.00848	.00224	3.9233	.00262	.68457	.04261	1.5578
#2	6.5857	.13829	1.6672	-.00563	.00707	3.9161	.00203	.68983	.04129	1.5617
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00446**	**.02764**	**.20686**	**.51834**	**.07906**
Stddev	.00108	.00970	.00021	.00061	.00142
%RSD	24.200	35.076	.10130	.11789	1.7904
#1	.00369	.02079	.20671	.51791	.07806
#2	.00522	.03450	.20701	.51877	.08006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4256.9**	**60802.**	**4846.8**
Stddev	.1	70.	6.3
%RSD	.00250	.11450	.13081
#1	4257.0	60851.	4842.3
#2	4256.8	60752.	4851.3

Sample Name: 280-19157-b-13-b Acquired: 8/25/2011 17:56:05 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**80.807**	**.07197**	**.06492**	**.99318**	**.00435**	**-.00333**	**139.93**	**.00303**	**.06981**
Stddev	.00050	.130	.00102	.00040	.00002	.00008	.00199	.11	.00008	.00032
%RSD	323.71	.16138	1.4217	.60914	.00212	1.8162	59.957	.07505	2.7356	.45922
#1	.00020	80.899	.07270	.06464	.99316	.00441	-.00192	140.00	.00309	.06958
#2	-.00051	80.715	.07125	.06520	.99319	.00429	-.00474	139.85	.00297	.07003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12670**	**.15231**	**178.67**	**20.316**	**.08584**	**72.221**	**3.1643**	**.00724**	**3.3110**	**.23210**
Stddev	.00015	.00030	.33	.024	.00326	.034	.0004	.00025	.0080	.00007
%RSD	.11450	.19998	.18285	.11641	3.7955	.04721	.01158	3.4600	.24315	.03106
#1	.12660	.15210	178.90	20.332	.08354	72.245	3.1640	.00706	3.3167	.23205
#2	.12680	.15253	178.44	20.299	.08814	72.197	3.1646	.00742	3.3053	.23215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.7331**	**.14702**	**1.5959**	**-.00663**	**.00054**	**4.0287**	**.00266**	**.47740**	**.04457**	**1.5228**
Stddev	.0046	.00003	.0035	.00054	.00088	.0351	.00046	.00050	.00253	.0003
%RSD	.08083	.01743	.21978	8.1769	161.28	.87140	17.333	.10518	5.6855	.01862
#1	5.7364	.14700	1.5983	-.00701	.00117	4.0038	.00298	.47776	.04278	1.5226
#2	5.7298	.14704	1.5934	-.00624	-.00008	4.0535	.00233	.47705	.04637	1.5230
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00158**	**.03252**	**.19622**	**.52080**	**.08266**
Stddev	.00128	.01777	.00060	.00081	.00067
%RSD	81.091	54.654	.30360	.15573	.80974
#1	.00068	.04508	.19580	.52023	.08218
#2	.00249	.01995	.19664	.52138	.08313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4272.0**	**61497.**	**4804.4**
Stddev	4.0	5.	4.9
%RSD	.09321	.00740	.10300
#1	4269.2	61500.	4800.9
#2	4274.8	61494.	4807.9

Sample Name: 280-19157-b-13-bSD@5 Acquired: 8/25/2011 17:58:31 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**17.343**	**.01268**	**.01521**	**.21176**	**.00088**	**.00276**	**29.753**	**.00067**	**.01521**
Stddev	.00007	.059	.00215	.00006	.00131	.00013	.00249	.183	.00000	.00008
%RSD	101.09	.33960	16.986	.40546	.61952	14.291	90.187	.61640	.55494	.54192
#1	-.00002	17.302	.01420	.01517	.21084	.00080	.00100	29.623	.00067	.01515
#2	-.00013	17.385	.01116	.01526	.21269	.00097	.00451	29.883	.00067	.01527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02718**	**.03259**	**38.484**	**4.2747**	**.02475**	**15.551**	**.67653**	**.00113**	**.70704**	**.05086**
Stddev	.00032	.00018	.103	.0400	.00010	.025	.00046	.00002	.01362	.00034
%RSD	1.1745	.54336	.26721	.93594	.39044	.16400	.06750	1.7673	1.9264	.67505
#1	.02740	.03247	38.411	4.2464	.02469	15.533	.67620	.00114	.69741	.05062
#2	.02695	.03272	38.557	4.3030	.02482	15.569	.67685	.00111	.71667	.05111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2100**	**.03170**	**.33416**	**-.00225**	**.00073**	**.81264**	**.00077**	**.10255**	**.00891**	**.31790**
Stddev	.0025	.00049	.00126	.00091	.00336	.02634	.00042	.00045	.00036	.00063
%RSD	.20890	1.5576	.37606	40.452	457.11	3.2418	55.449	.44019	4.0298	.19683
#1	1.2082	.03204	.33505	-.00161	.00311	.79401	.00107	.10223	.00866	.31746
#2	1.2118	.03135	.33327	-.00289	-.00164	.83127	.00047	.10287	.00917	.31834
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00177**	**.00591**	**.04360**	**.11420**	**.02011**
Stddev	.00047	.01165	.00040	.00039	.00253
%RSD	26.832	197.24	.91060	.34397	12.583
#1	.00143	-.00233	.04332	.11448	.01832
#2	.00210	.01415	.04388	.11392	.02190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4100.8**	**59757.**	**4439.1**
Stddev	.7	85.	5.6
%RSD	.01815	.14280	.12505
#1	4100.3	59817.	4435.2
#2	4101.3	59696.	4443.0

Sample Name: 280-19157-b-13-bPDS Acquired: 8/25/2011 18:01:02 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03958**	**80.218**	**.26617**	**.15496**	**1.0712**	**.05203**	W **-.01401**	**155.41**	**.05352**	**.11374**
Stddev	.00088	.876	.00072	.00050	.0114	.00057	.00354	1.56	.00011	.00016
%RSD	2.2151	1.0921	.26969	.32094	1.0672	1.0873	25.244	1.0023	.20916	.14184
#1	.04020	80.838	.26668	.15531	1.0793	.05243	-.01151	156.51	.05344	.11386
#2	.03896	79.599	.26566	.15461	1.0631	.05163	-.01651	154.31	.05360	.11363
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							3.0000			
Low Limit							-.01000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17212**	**.20016**	**176.11**	**39.506**	**.17695**	**90.425**	**3.1647**	**.05306**	**24.686**	**.27422**
Stddev	.00038	.00195	2.19	.421	.00160	.925	.0313	.00025	.337	.00038
%RSD	.22251	.97424	1.2415	1.0654	.90572	1.0226	.98781	.47939	1.3655	.13788
#1	.17239	.20154	177.66	39.803	.17808	91.079	3.1868	.05324	24.447	.27395
#2	.17185	.19878	174.57	39.208	.17581	89.771	3.1426	.05288	24.924	.27449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.4923**	**.23676**	**1.5880**	**.08294**	**.19488**	**8.4862**	**.09170**	**.51908**	**.23631**	**1.5467**
Stddev	.0229	.00341	.0013	.00118	.00769	.1152	.00001	.00488	.00045	.0086
%RSD	.30525	1.4410	.08014	1.4232	3.9439	1.3578	.01625	.94027	.19071	.55538
#1	7.5085	.23435	1.5871	.08377	.20031	8.5677	.09169	.52253	.23663	1.5528
#2	7.4761	.23918	1.5889	.08211	.18944	8.4047	.09171	.51562	.23600	1.5406
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.18128**	**.49370**	**.24519**	**.70783**	**.13292**
Stddev	.00004	.02609	.00217	.00648	.00169
%RSD	.02287	5.2841	.88695	.91600	1.2745
#1	.18130	.51214	.24673	.71242	.13411
#2	.18125	.47525	.24365	.70325	.13172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4227.3**	**60691.**	**4794.7**
Stddev	9.4	255.	26.3
%RSD	.22324	.42039	.54761
#1	4220.7	60510.	4776.1
#2	4234.0	60871.	4813.3

Sample Name: CCVH-940568 Acquired: 8/25/2011 18:03:26 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02347**	**49.848**	**-.00305**	**.00148**	**.00067**	**-.00012**	**.99237**	**.02947**	**-.00117**	**.00207**	**-.00001**	**-.00324**	**50.518**
Stddev	.00029	.067	.00006	.00011	.00016	.00013	.00173	.00110	.00006	.00019	.00013	.00025	.443
%RSD	1.2362	.13496	1.8096	7.1792	23.693	106.96	.17477	3.7406	4.9636	8.9621	1185.8	7.6873	.87748
#1	-.02368	49.895	-.00309	.00141	.00079	-.00003	.99115	.03025	-.00113	.00194	.00008	-.00342	50.832
#2	-.02326	49.800	-.00301	.00156	.00056	-.00021	.99360	.02869	-.00121	.00221	-.00010	-.00307	50.205
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16149**	**.00489**	**-.09855**	**.00082**	**-.00216**	**263.95**	**.00131**	**.00347**	**-.00048**	**5.0437**	**-.00793**	**.01302**	**.03855**
Stddev	.03674	.00098	.00329	.00001	.00018	1.15	.00020	.00221	.00144	.0004	.00136	.00045	.00990
%RSD	22.752	19.986	3.3384	1.0219	8.5433	.43630	14.919	63.660	298.44	.00733	17.194	3.4614	25.685
#1	.18748	.00420	-.10088	.00082	-.00203	264.77	.00117	.00191	.00053	5.0434	-.00696	.01334	.04555
#2	.13551	.00558	-.09623	.00081	-.00229	263.14	.00145	.00503	-.00150	5.0439	-.00889	.01271	.03154
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00120**	**.00046**	**4.9552**	**.00402**	**.00368**	**10.634**	**-.00943**	**.00448**	**.02046**
Stddev	.00046	.00012	.0077	.00007	.00088	.050	.00098	.00039	.00352
%RSD	37.832	27.255	.15562	1.8592	23.927	.46989	10.345	8.6125	17.216
#1	.00088	.00054	4.9498	.00397	.00431	10.599	-.01012	.00476	.02296
#2	.00153	.00037	4.9607	.00408	.00306	10.669	-.00874	.00421	.01797
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3917.8**	**56704.**	**4286.9**
Stddev	.0	213.	7.1
%RSD	.00107	.37475	.16532
#1	3917.8	56554.	4281.9
#2	3917.8	56855.	4291.9

Sample Name: CCV-940591 Acquired: 8/25/2011 18:05:57 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52659**	**.50826**	**1.0250**	**.51488**	**.51483**	**.50934**	**.00621**	**4.9902**	**.51964**	**.50064**	**.49983**	**.52510**	**2.5496**
Stddev	.00106	.00569	.0021	.00054	.00125	.00112	.00165	.0034	.00061	.00125	.00034	.00085	.0038
%RSD	.20191	1.1198	.20430	.10438	.24241	.22076	26.520	.06820	.11715	.24942	.06753	.16117	.14820
#1	.52734	.50423	1.0235	.51526	.51571	.51013	.00504	4.9927	.51921	.50152	.50007	.52570	2.5523
#2	.52584	.51228	1.0265	.51450	.51395	.50854	.00737	4.9878	.52007	.49976	.49959	.52450	2.5469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.470**	**1.0211**	**20.821**	**.52412**	**.51480**	**5.3494**	**.50675**	**.97434**	**1.0357**	**.00380**	**1.0165**	**1.0181**	**5.0223**
Stddev	.198	.0022	.020	.00102	.00051	.0131	.00037	.00160	.0004	.00008	.0053	.0027	.0010
%RSD	.39260	.21092	.09591	.19386	.09904	.24465	.07232	.16462	.03399	2.0298	.52247	.26565	.02094
#1	50.611	1.0226	20.835	.52484	.51516	5.3587	.50649	.97547	1.0360	.00375	1.0203	1.0200	5.0230
#2	50.330	1.0196	20.807	.52340	.51444	5.3402	.50701	.97320	1.0355	.00386	1.0128	1.0162	5.0215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0179**	**.52212**	**-.00093**	**.50177**	**1.0145**	**.02023**	**.52392**	**.52149**	**.52227**
Stddev	.0007	.00158	.00061	.00051	.0007	.02962	.00029	.00095	.00641
%RSD	.06731	.30180	64.969	.10088	.07059	146.41	.05579	.18270	1.2269
#1	1.0174	.52324	-.00050	.50212	1.0140	-.00071	.52412	.52217	.52680
#2	1.0184	.52101	-.00136	.50141	1.0150	.04118	.52371	.52082	.51774
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4017.4**	**58587.**	**4336.4**
Stddev	6.6	178.	1.2
%RSD	.16306	.30465	.02673
#1	4022.1	58461.	4337.2
#2	4012.8	58713.	4335.5

Sample Name: CCB Acquired: 8/25/2011 18:08:18 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**-.00112**	**.00240**	**.00059**	**-.00026**	**-.00005**	**.00034**	**.00328**	**.00028**	**-.00011**	**.00035**
Stddev	.00013	.00008	.00264	.00000	.00029	.00011	.00048	.00416	.00020	.00024	.00032
%RSD	149.51	7.2914	109.95	.69218	113.24	222.23	143.33	126.63	74.059	210.23	91.890
#1	.00000	-.00107	.00053	.00058	-.00047	.00003	.00000	.00034	.00013	-.00028	.00012
#2	-.00017	-.00118	.00427	.00059	-.00005	-.00013	.00067	.00622	.00042	.00006	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**-.00125**	**-.02210**	W **.00503**	**.00003**	**-.00001**	**.00303**	**.03065**	**-.00005**	**.00369**	**-.00030**
Stddev	.00006	.00034	.00844	.00316	.00144	.00004	.00085	.01375	.00017	.00172	.00120
%RSD	30.031	27.270	38.188	62.785	4123.6	463.00	27.912	44.864	313.19	46.495	398.32
#1	-.00024	-.00149	-.01613	.00726	-.00098	.00002	.00243	.04037	-.00018	.00248	-.00115
#2	-.00016	-.00101	-.02806	.00279	.00105	-.00003	.00363	.02093	.00007	.00490	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	F **.00926**	W **.00638**	**.00408**	**.00046**	**.00015**	**-.00033**	**.00044**	**.00220**	**.02879**	**.00001**
Stddev	.00221	.00463	.00035	.00419	.00004	.00017	.00030	.00056	.00068	.02328	.00060
%RSD	545.20	49.999	5.5174	102.71	9.6874	111.27	91.034	127.58	31.022	80.865	5483.9
#1	-.00116	.00599	.00663	.00112	.00049	.00027	-.00012	.00084	.00268	.04526	.00044
#2	.00197	.01253	.00614	.00704	.00043	.00003	-.00055	.00004	.00172	.01233	-.00042
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00212**	**.00222**
Stddev	.00020	.00115
%RSD	9.3017	51.973
#1	.00198	.00303
#2	.00226	.00140
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4055.8**	**59817.**	**4296.7**
Stddev	5.4	79.	7.9
%RSD	.13396	.13142	.18376
#1	4052.0	59761.	4291.1
#2	4059.7	59872.	4302.2

Sample Name: CCVL-942742 Acquired: 8/25/2011 18:10:53 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01086**	**.10600**	**.01617**	**.10207**	**.01018**	**.00110**	F **.13190**	**.21236**	**.00548**	**.01033**	**.01031**	**.01625**
Stddev	.00070	.00024	.00080	.00011	.00033	.00016	.00493	.00388	.00007	.00037	.00002	.00009
%RSD	6.4004	.22306	4.9339	.10565	3.2172	14.676	3.7346	1.8280	1.3611	3.6173	.15670	.57335
#1	.01037	.10583	.01560	.10215	.00994	.00098	.13539	.20962	.00543	.01059	.01030	.01631
#2	.01135	.10616	.01673	.10199	.01041	.00121	.12842	.21511	.00553	.01007	.01032	.01618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000					
Range							30.000%					

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10553**	**3.1331**	F **.01676**	**.22012**	**.01135**	**.02006**	**1.1039**	**.04204**	**2.8510**	**.00947**	**.00120**	**.00954**
Stddev	.00077	.0218	.00205	.00001	.00004	.00044	.0053	.00006	.0181	.00143	.00441	.00213
%RSD	.72861	.69605	12.218	.00264	.33107	2.1913	.48073	.15054	.63512	15.060	366.72	22.326
#1	.10499	3.1177	.01531	.22011	.01138	.01975	1.1002	.04208	2.8638	.00847	-.00192	.01105
#2	.10608	3.1486	.01821	.22012	.01133	.02037	1.1077	.04199	2.8382	.01048	.00432	.00803
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value			.01000									
Range			30.000%									

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01554**	**.49265**	**.10291**	**.01090**	**.01399**	**.01049**	**.01769**	**.05309**	**.01008**	**.02338**	F **.02013**
Stddev	.00093	.00674	.00009	.00009	.00189	.00033	.00080	.03952	.00066	.00093	.00191
%RSD	5.9642	1.3688	.08359	.84790	13.537	3.1464	4.5219	74.438	6.5911	3.9586	9.5138
#1	.01620	.49742	.10285	.01097	.01533	.01026	.01712	.02515	.01055	.02404	.02148
#2	.01489	.48788	.10297	.01084	.01265	.01072	.01825	.08104	.00961	.02273	.01877
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value											.01500
Range											30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4125.7**	**60658.**	**4353.7**
Stddev	10.7	133.	24.3
%RSD	.25979	.21975	.55877
#1	4118.2	60564.	4370.9
#2	4133.3	60753.	4336.5

Sample Name: 280-19157-b-14-b Acquired: 8/25/2011 18:13:26 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00112**	**92.557**	**.08017**	**.06928**	**1.0906**	**.00499**	**-.00777**	**172.66**	**.00338**	**.07735**
Stddev	.00016	.414	.00088	.00035	.0013	.00003	.00065	.71	.00036	.00018
%RSD	14.323	.44728	1.1000	.51162	.11659	.55169	8.3376	.40903	10.544	.23863
#1	-.00123	92.264	.08079	.06903	1.0897	.00501	-.00823	172.16	.00312	.07722
#2	-.00100	92.849	.07954	.06954	1.0915	.00497	-.00731	173.16	.00363	.07748
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13589**	**.17108**	**201.02**	**21.776**	**.09737**	**77.284**	**3.5822**	**.00732**	**4.2407**	**.24142**
Stddev	.00018	.00039	1.51	.017	.00234	.127	.0034	.00013	.0468	.00043
%RSD	.13310	.22937	.74937	.07727	2.4004	.16459	.09538	1.7554	1.1039	.17627
#1	.13576	.17136	199.95	21.765	.09903	77.194	3.5846	.00723	4.2076	.24112
#2	.13602	.17081	202.08	21.788	.09572	77.374	3.5798	.00741	4.2738	.24172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.3208**	**.15501**	**1.6865**	**-.00754**	**.00290**	**5.1306**	**.00285**	**.56131**	**.04513**	**1.4623**
Stddev	.0023	.00161	.0021	.00082	.00198	.0298	.00126	.00122	.00328	.0003
%RSD	.03591	1.0398	.12253	10.854	68.274	.58165	44.361	.21757	7.2709	.01687
#1	6.3192	.15387	1.6850	-.00812	.00150	5.1517	.00195	.56044	.04745	1.4621
#2	6.3224	.15615	1.6880	-.00696	.00431	5.1095	.00374	.56217	.04281	1.4624
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00126**	**.00387**	**.20509**	**.56333**	**.08445**
Stddev	.00021	.02450	.00083	.00269	.00024
%RSD	16.705	632.52	.40294	.47800	.28438
#1	.00141	-.01345	.20568	.56143	.08462
#2	.00111	.02119	.20451	.56524	.08428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4303.2**	**61912.**	**4893.8**
Stddev	3.6	173.	.7
%RSD	.08480	.28008	.01532
#1	4305.8	62034.	4894.3
#2	4300.6	61789.	4893.3

Sample Name: 280-19157-a-15-b Acquired: 8/25/2011 18:15:57 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00069**	**96.461**	**.06224**	**.07158**	**1.1320**	**.00512**	**-.00345**	**118.54**	**.00354**	**.08260**
Stddev	.00032	.384	.00185	.00017	.0057	.00001	.00245	.61	.00008	.00054
%RSD	46.216	.39804	2.9799	.23150	.50766	.22789	71.028	.51783	2.2016	.65890
#1	-.00046	96.190	.06355	.07147	1.1279	.00511	-.00518	118.11	.00360	.08221
#2	-.00091	96.733	.06093	.07170	1.1360	.00513	-.00172	118.98	.00349	.08298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14416**	**.15836**	**202.12**	**28.088**	**.09419**	**81.752**	**4.3031**	**.00697**	**3.2906**	**.26255**
Stddev	.00014	.00025	.93	.233	.00059	.211	.0267	.00029	.0252	.00042
%RSD	.09604	.16093	.45805	.82959	.62538	.25795	.62060	4.1186	.76458	.16139
#1	.14406	.15818	201.46	27.924	.09461	81.602	4.3219	.00676	3.2728	.26285
#2	.14425	.15854	202.77	28.253	.09378	81.901	4.2842	.00717	3.3084	.26225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.1425**	**.15622**	**1.4381**	**-.00458**	**.00543**	**6.3332**	**.00155**	**.39472**	**.04633**	**2.9879**
Stddev	.0067	.00017	.0119	.00185	.00054	.0753	.00049	.00271	.00140	.0008
%RSD	.09371	.10704	.82565	40.265	9.8456	1.1888	31.672	.68700	3.0192	.02835
#1	7.1472	.15610	1.4465	-.00328	.00581	6.3865	.00120	.39280	.04732	2.9873
#2	7.1378	.15634	1.4297	-.00589	.00506	6.2800	.00190	.39664	.04534	2.9885
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00234**	**-.00586**	**.16954**	**.54839**	**.11198**
Stddev	.00055	.02898	.00260	.00195	.00270
%RSD	23.674	494.72	1.5328	.35500	2.4099
#1	.00273	-.02635	.16770	.54701	.11389
#2	.00195	.01464	.17138	.54976	.11007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4331.0**	**62559.**	**4879.0**
Stddev	1.1	97.	2.1
%RSD	.02594	.15558	.04366
#1	4330.2	62627.	4880.5
#2	4331.8	62490.	4877.5

Sample Name: 280-19157-b-16-b Acquired: 8/25/2011 18:18:28 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00173**	**101.37**	**.06359**	**.07572**	**1.1716**	**.00523**	**-.00781**	**117.27**	**.00371**	**.08252**
Stddev	.00044	.06	.00240	.00089	.0033	.00001	.00061	.31	.00019	.00003
%RSD	25.458	.06254	3.7818	1.1714	.28505	.17443	7.7680	.26021	5.1435	.03990
#1	-.00141	101.42	.06529	.07509	1.1740	.00522	-.00824	117.48	.00385	.08250
#2	-.00204	101.33	.06189	.07635	1.1692	.00524	-.00738	117.05	.00358	.08254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14009**	**.16897**	**199.77**	**30.076**	**.09699**	**81.813**	**4.4850**	**.00717**	**3.5718**	**.25923**
Stddev	.00035	.00051	.22	.120	.00036	.056	.0415	.00012	.0115	.00011
%RSD	.25094	.30086	.10866	.39796	.37445	.06878	.92510	1.7059	.32243	.04254
#1	.13984	.16933	199.62	30.161	.09725	81.853	4.4556	.00708	3.5799	.25915
#2	.14034	.16861	199.92	29.991	.09674	81.774	4.5143	.00725	3.5636	.25930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.1194**	**.16581**	**1.5095**	**-.00612**	**.00082**	**7.2285**	**.00228**	**.41508**	**.05163**	**2.0890**
Stddev	.0082	.00130	.0071	.00263	.00194	.0118	.00002	.00154	.00105	.0075
%RSD	.11490	.78112	.47010	42.952	234.86	.16383	.72867	.37130	2.0328	.35912
#1	7.1137	.16673	1.5145	-.00798	.00219	7.2369	.00227	.41617	.05089	2.0943
#2	7.1252	.16490	1.5045	-.00426	-.00055	7.2202	.00229	.41399	.05237	2.0837
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00233**	**-.03355**	**.15634**	**.56482**	**.10569**
Stddev	.00061	.00971	.00044	.00003	.00029
%RSD	26.366	28.931	.27878	.00510	.27347
#1	.00276	-.04041	.15603	.56480	.10590
#2	.00189	-.02669	.15665	.56484	.10549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4343.3**	**62465.**	**4901.4**
Stddev	1.1	20.	5.6
%RSD	.02628	.03262	.11496
#1	4344.1	62450.	4905.4
#2	4342.5	62479.	4897.4

Sample Name: 280-19157-b-17-b Acquired: 8/25/2011 18:20:58 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00050**	**127.69**	**.05980**	**.10692**	**1.1061**	**.00586**	**-.00890**	**228.26**	**.00301**	**.07673**
Stddev	.00046	.14	.00061	.00020	.0018	.00002	.00193	2.88	.00012	.00001
%RSD	92.301	.10996	1.0169	.18940	.16114	.29444	21.664	1.2605	4.1035	.01847
#1	-.00017	127.79	.05937	.10678	1.1073	.00588	-.01027	230.30	.00292	.07674
#2	-.00082	127.59	.06023	.10706	1.1048	.00585	-.00754	226.23	.00309	.07672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15119**	**.16639**	**183.47**	**36.321**	**.12068**	**81.622**	**3.4592**	**.00501**	**7.7255**	**.24172**
Stddev	.00014	.00030	.94	.161	.00274	.066	.0031	.00059	.0271	.00007
%RSD	.09132	.17861	.51021	.44292	2.2733	.08071	.08929	11.852	.35084	.03029
#1	.15109	.16660	184.13	36.434	.12262	81.668	3.4614	.00543	7.7447	.24177
#2	.15128	.16618	182.81	36.207	.11875	81.575	3.4570	.00459	7.7064	.24166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.2187**	**.13094**	**1.2345**	**-.00614**	**.00148**	**4.3050**	**.00161**	**.59783**	**.04570**	**1.8984**
Stddev	.0035	.00108	.0010	.00158	.00648	.1225	.00021	.00104	.00244	.0034
%RSD	.06725	.82720	.08528	25.800	437.06	2.8458	13.058	.17329	5.3327	.18112
#1	5.2212	.13170	1.2352	-.00726	-.00310	4.3916	.00146	.59856	.04397	1.9008
#2	5.2163	.13017	1.2337	-.00502	.00607	4.2183	.00176	.59709	.04742	1.8960
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00274**	**-.01496**	**.22537**	**.52972**	**.10122**
Stddev	.00168	.02281	.00015	.00073	.00029
%RSD	61.359	152.49	.06479	.13859	.28511
#1	.00393	.00117	.22547	.53024	.10143
#2	.00155	-.03109	.22527	.52920	.10102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4254.6**	**61110.**	**4842.5**
Stddev	1.7	76.	9.7
%RSD	.04012	.12398	.20082
#1	4253.4	61056.	4835.7
#2	4255.8	61164.	4849.4

Sample Name: 280-19157-b-18-b Acquired: 8/25/2011 18:23:26 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**72.110**	**.07191**	**.05389**	**1.0317**	**.00433**	**-.00800**	**170.06**	**.00348**	**.07938**
Stddev	.00074	.045	.00455	.00066	.0015	.00003	.00006	.23	.00012	.00035
%RSD	162.84	.06264	6.3276	1.2258	.14300	.67341	.77986	.13765	3.3512	.43977
#1	.00007	72.078	.07512	.05436	1.0306	.00435	-.00795	169.89	.00356	.07913
#2	-.00098	72.142	.06869	.05342	1.0327	.00431	-.00804	170.23	.00340	.07962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12016**	**.16005**	**198.88**	**16.436**	**.07676**	**75.400**	**3.3058**	**.00664**	**3.3464**	**.28618**
Stddev	.00002	.00035	.42	.028	.00082	.103	.0038	.00029	.0053	.00028
%RSD	.01660	.22165	.20943	.17192	1.0694	.13713	.11565	4.4289	.15802	.09659
#1	.12017	.15980	198.59	16.416	.07734	75.473	3.3085	.00643	3.3426	.28638
#2	.12014	.16030	199.18	16.456	.07618	75.326	3.3031	.00685	3.3501	.28599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.8298**	**.14157**	**1.7079**	**-.00755**	**.00115**	**4.9870**	**.00258**	**.56272**	**.03654**	**1.4311**
Stddev	.0106	.00077	.0068	.00134	.00043	.0512	.00075	.00028	.00147	.0016
%RSD	.18232	.54466	.39939	17.685	37.665	1.0268	28.978	.05028	4.0285	.11255
#1	5.8223	.14103	1.7031	-.00661	.00084	5.0232	.00205	.56252	.03758	1.4323
#2	5.8373	.14212	1.7127	-.00850	.00146	4.9508	.00311	.56292	.03550	1.4300
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00096**	**.02925**	**.17846**	**.51680**	**.09239**
Stddev	.00026	.00662	.00049	.00071	.00681
%RSD	27.454	22.649	.27413	.13781	7.3734
#1	.00077	.02456	.17881	.51629	.09720
#2	.00115	.03393	.17812	.51730	.08757
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4291.2**	**62044.**	**4831.5**
Stddev	3.7	20.	23.2
%RSD	.08666	.03301	.48052
#1	4288.6	62029.	4847.9
#2	4293.8	62058.	4815.1

Sample Name: 280-19157-b-19-b Acquired: 8/25/2011 18:25:52 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**90.697**	**.07281**	**.07081**	**1.1483**	**.00490**	**-.00971**	**155.93**	**.00329**	**.08114**
Stddev	.00002	.209	.00022	.00108	.0002	.00007	.00094	.28	.00006	.00015
%RSD	3.3268	.23028	.30509	1.5228	.01362	1.5131	9.6763	.18179	1.6945	.19071
#1	-.00060	90.549	.07265	.07157	1.1485	.00485	-.01037	155.73	.00325	.08125
#2	-.00057	90.844	.07297	.07005	1.1482	.00496	-.00904	156.13	.00333	.08103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13709**	**.17848**	**206.32**	**22.976**	**.09112**	**81.564**	**3.6251**	**.00727**	**3.9326**	**.27805**
Stddev	.00015	.00085	.42	.031	.00038	.148	.0051	.00017	.0080	.00013
%RSD	.10877	.47784	.20141	.13357	.41828	.18201	.14013	2.3522	.20400	.04743
#1	.13699	.17908	206.03	22.955	.09139	81.669	3.6215	.00715	3.9269	.27796
#2	.13720	.17787	206.61	22.998	.09086	81.459	3.6287	.00739	3.9382	.27814
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.6315**	**.15702**	**2.1251**	**-.00642**	**.00359**	**5.1199**	**.00218**	**.56031**	**.03941**	**1.5487**
Stddev	.0088	.00091	.0070	.00305	.00196	.0391	.00148	.00014	.00009	.0022
%RSD	.13236	.57975	.33091	47.528	54.455	.76270	67.991	.02541	.22171	.13875
#1	6.6377	.15767	2.1301	-.00426	.00498	5.1475	.00113	.56020	.03935	1.5472
#2	6.6253	.15638	2.1202	-.00858	.00221	5.0923	.00322	.56041	.03947	1.5502
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00173**	**.01972**	**.18759**	**.60024**	**.09111**
Stddev	.00147	.00808	.00191	.00145	.00236
%RSD	84.973	40.959	1.0202	.24126	2.5920
#1	.00069	.02543	.18895	.60126	.09278
#2	.00276	.01401	.18624	.59921	.08944
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4316.6**	**62493.**	**4852.6**
Stddev	5.5	47.	11.1
%RSD	.12709	.07574	.22870
#1	4312.7	62460.	4860.4
#2	4320.4	62527.	4844.7

Sample Name: 280-19157-a-20-b Acquired: 8/25/2011 18:28:25 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**81.841**	**.06408**	**.06319**	**1.0477**	**.00451**	**-.00678**	**162.83**	**.00285**	**.07351**
Stddev	.00031	.125	.00084	.00006	.0021	.00001	.00225	.26	.00002	.00006
%RSD	95.916	.15316	1.3109	.09479	.19934	.16279	33.131	.16041	.55901	.08476
#1	-.00054	81.929	.06468	.06315	1.0492	.00452	-.00520	163.01	.00284	.07347
#2	-.00010	81.752	.06349	.06324	1.0462	.00451	-.00837	162.64	.00286	.07355
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12455**	**.15889**	**188.26**	**17.246**	**.08258**	**71.290**	**3.3473**	**.00632**	**6.3828**	**.24724**
Stddev	.00016	.00059	.10	.044	.00410	.039	.0029	.00000	.0021	.00049
%RSD	.12986	.36866	.05575	.25282	4.9706	.05484	.08624	.04913	.03206	.19996
#1	.12443	.15848	188.18	17.277	.07968	71.263	3.3452	.00631	6.3843	.24689
#2	.12466	.15931	188.33	17.216	.08548	71.318	3.3493	.00632	6.3814	.24759
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.6937**	**.13242**	**2.7422**	**-.00440**	**.00050**	**4.4771**	**.00149**	**.53678**	**.04002**	**1.5601**
Stddev	.0020	.00182	.0053	.00072	.00198	.0671	.00048	.00069	.00119	.0053
%RSD	.03504	1.3747	.19368	16.389	391.73	1.4981	32.098	.12850	2.9784	.33976
#1	5.6923	.13370	2.7460	-.00389	.00190	4.5245	.00115	.53727	.03917	1.5564
#2	5.6951	.13113	2.7384	-.00491	-.00089	4.4297	.00183	.53629	.04086	1.5639
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00239**	**.02213**	**.19300**	**.51321**	**.07631**
Stddev	.00017	.01823	.00057	.00130	.00236
%RSD	6.9322	82.363	.29285	.25409	3.0971
#1	.00251	.03502	.19260	.51229	.07464
#2	.00227	.00924	.19340	.51413	.07798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4283.2**	**62198.**	**4833.5**
Stddev	2.2	93.	1.1
%RSD	.05124	.14935	.02176
#1	4284.8	62132.	4832.8
#2	4281.7	62264.	4834.3

Sample Name: 280-19157-b-21-b Acquired: 8/25/2011 18:30:54 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82642 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00067**	**77.116**	**.10321**	**.05303**	**1.1436**	**.00511**	**-.00982**	**139.01**	**.00322**	**.10516**
Stddev	.00025	.161	.00619	.00017	.0015	.00016	.00262	.36	.00010	.00026
%RSD	36.953	.20882	6.0018	.32467	.12891	3.1257	26.682	.25617	2.9865	.25134
#1	-.00085	77.230	.09883	.05315	1.1447	.00522	-.01167	139.26	.00329	.10498
#2	-.00050	77.002	.10759	.05291	1.1426	.00499	-.00797	138.76	.00315	.10535
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14143**	**.19247**	**259.69**	**16.924**	**.08341**	**99.187**	**4.0191**	**.00716**	**3.7430**	**.40320**
Stddev	.00018	.00025	.66	.028	.00056	.159	.0140	.00046	.0090	.00034
%RSD	.12773	.12893	.25348	.16247	.66720	.16007	.34876	6.4381	.24056	.08389
#1	.14156	.19265	260.15	16.904	.08381	99.299	4.0290	.00749	3.7494	.40344
#2	.14130	.19230	259.22	16.943	.08302	99.075	4.0092	.00684	3.7367	.40296
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.2699**	**.16664**	**1.6359**	**-.00888**	**.00425**	**5.8003**	**.00201**	**.49963**	**.03699**	**2.5626**
Stddev	.0045	.00146	.0029	.00081	.00157	.0882	.00149	.00154	.00191	.0079
%RSD	.06196	.87716	.17744	9.1606	36.955	1.5198	74.205	.30794	5.1584	.30975
#1	7.2667	.16561	1.6338	-.00830	.00314	5.8626	.00096	.50071	.03834	2.5682
#2	7.2731	.16767	1.6379	-.00945	.00536	5.7379	.00307	.49854	.03564	2.5570
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00129**	**.06217**	**.24869**	**.57249**	**.11220**
Stddev	.00088	.01755	.00084	.00162	.00156
%RSD	67.731	28.235	.33716	.28346	1.3928
#1	.00191	.04976	.24928	.57134	.11331
#2	.00067	.07459	.24809	.57364	.11110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4336.8**	**62952.**	**4891.8**
Stddev	5.1	16.	26.0
%RSD	.11738	.02507	.53206
#1	4340.4	62963.	4873.4
#2	4333.2	62941.	4910.2

Sample Name: CCVH-940568 Acquired: 8/25/2011 18:33:26 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02265**	**50.069**	**-.00249**	**.00076**	**.00068**	**-.00004**	**.98337**	**.03271**	**-.00098**	**.00208**	**.00023**	**-.00312**	**51.968**
Stddev	.00022	.078	.00014	.00004	.00000	.00002	.00790	.00209	.00007	.00002	.00018	.00010	.122
%RSD	.98096	.15523	5.5570	5.3445	.61433	37.564	.80323	6.3950	6.7309	1.0661	76.725	3.2354	.23476
#1	-.02249	50.014	-.00259	.00079	.00068	-.00005	.98896	.03123	-.00093	.00207	.00010	-.00305	51.882
#2	-.02281	50.124	-.00239	.00073	.00068	-.00003	.97779	.03419	-.00102	.00210	.00035	-.00319	52.054
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16876**	**.00531**	**-.09483**	**.01165**	**-.00246**	**262.67**	**.00171**	**.00495**	**.00066**	**5.0411**	**-.01037**	**.01460**	**.05187**
Stddev	.02244	.00113	.00101	.00011	.00010	.86	.00017	.00618	.00309	.0096	.00127	.00310	.00150
%RSD	13.296	21.250	1.0622	.97255	4.1567	.32670	9.8862	124.69	470.93	.19115	12.287	21.195	2.8975
#1	.18462	.00451	-.09412	.01157	-.00253	263.28	.00183	.00059	-.00153	5.0479	-.00947	.01679	.05080
#2	.15289	.00611	-.09554	.01173	-.00239	262.06	.00159	.00932	.00284	5.0343	-.01127	.01242	.05293
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00150**	**.00059**	**4.9719**	**.00460**	**.00269**	**10.653**	**-.00978**	**.00509**	**.02459**
Stddev	.00093	.00000	.0044	.00001	.00002	.019	.00044	.00028	.00369
%RSD	62.111	.56955	.08884	.20023	.56040	.17766	4.5430	5.5864	15.022
#1	.00216	.00059	4.9750	.00460	.00268	10.640	-.01010	.00489	.02198
#2	.00084	.00059	4.9687	.00461	.00271	10.667	-.00947	.00529	.02721
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3971.8**	**57424.**	**4301.0**
Stddev	8.3	55.	6.7
%RSD	.20988	.09551	.15592
#1	3965.9	57463.	4296.2
#2	3977.7	57386.	4305.7

Sample Name: CCV-940591 Acquired: 8/25/2011 18:35:56 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52269**	**.50181**	**1.0218**	**.51422**	**.51561**	**.51025**	**.00449**	**5.0316**	**.51903**	**.49941**	**.49889**	**.52240**	**2.5751**
Stddev	.00120	.00192	.0001	.00206	.00098	.00039	.00048	.0010	.00029	.00015	.00060	.00105	.0052
%RSD	.22930	.38358	.01239	.40150	.19096	.07636	10.573	.01988	.05505	.02912	.12090	.20117	.20029
#1	.52354	.50045	1.0217	.51276	.51491	.50997	.00483	5.0323	.51883	.49931	.49931	.52314	2.5715
#2	.52184	.50317	1.0219	.51568	.51630	.51052	.00416	5.0309	.51923	.49951	.49846	.52166	2.5788
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.452**	**1.0069**	**20.727**	**.52240**	**.51465**	**5.3118**	**.50796**	**.97291**	**1.0369**	**-.00140**	**1.0184**	**1.0185**	**5.0660**
Stddev	.089	.0076	.040	.00046	.00090	.0200	.00040	.00071	.0000	.00339	.0008	.0008	.0253
%RSD	.17600	.75952	.19102	.08772	.17493	.37678	.07968	.07310	.00188	241.66	.08086	.07352	.49935
#1	50.515	1.0015	20.755	.52272	.51529	5.2976	.50825	.97241	1.0370	-.00380	1.0190	1.0179	5.0839
#2	50.390	1.0123	20.699	.52207	.51401	5.3259	.50768	.97341	1.0369	.00099	1.0178	1.0190	5.0481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0200**	**.52159**	**-.00220**	**.50084**	**1.0106**	**.00929**	**.51923**	**.51848**	**.52875**
Stddev	.0001	.00091	.00077	.00052	.0033	.00678	.00070	.00032	.00020
%RSD	.01393	.17531	34.927	.10360	.32530	73.037	.13520	.06106	.03708
#1	1.0199	.52095	-.00274	.50120	1.0082	.00449	.51972	.51826	.52889
#2	1.0201	.52224	-.00165	.50047	1.0129	.01409	.51873	.51870	.52861
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4027.9**	**58960.**	**4287.4**
Stddev	8.6	16.	4.8
%RSD	.21424	.02732	.11126
#1	4021.8	58972.	4290.8
#2	4034.0	58949.	4284.0

Sample Name: CCB Acquired: 8/25/2011 18:38:18 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**.00014**	**.00202**	W **.00163**	**.00012**	**.00002**	**.00222**	**.00518**	**.00033**	**-.00004**	**.00024**
Stddev	.00024	.00111	.00639	.00019	.00047	.00002	.00080	.00651	.00030	.00028	.00038
%RSD	36.497	776.27	315.46	11.606	382.58	89.128	35.999	125.68	90.313	677.89	162.23
#1	.00084	-.00064	-.00249	.00176	.00046	.00001	.00166	.00978	.00012	-.00024	-.00003
#2	.00050	.00093	.00654	.00150	-.00021	.00004	.00279	.00058	.00054	.00016	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.00254**	**-.01089**	W **.00464**	**.00112**	**.00005**	**.00261**	**.00956**	**.00046**	**-.00241**	**-.00042**
Stddev	.00001	.00131	.00727	.00490	.00086	.00001	.00094	.00331	.00018	.00092	.00003
%RSD	2.5424	51.561	66.755	105.48	76.388	26.475	36.083	34.603	38.990	38.107	7.5741
#1	-.00026	.00346	-.00575	.00810	.00173	.00004	.00195	.00722	.00033	-.00306	-.00040
#2	-.00027	.00161	-.01603	.00118	.00052	.00006	.00328	.01190	.00058	-.00176	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00091**	F **.00952**	W **.00519**	**.00982**	**.00050**	**.00019**	**-.00070**	**.00043**	**-.00034**	**.01108**	**.00041**
Stddev	.00216	.00213	.00057	.01417	.00045	.00010	.00088	.00024	.00154	.01980	.00009
%RSD	238.06	22.420	10.953	144.29	91.422	49.739	124.96	55.112	447.41	178.65	20.870
#1	.00062	.00801	.00479	-.00020	.00018	.00013	-.00008	.00026	.00075	-.00292	.00047
#2	-.00244	.01103	.00559	.01983	.00082	.00026	-.00132	.00060	-.00144	.02508	.00035
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00179**	**.00143**
Stddev	.00010	.00035
%RSD	5.5891	24.361
#1	.00171	.00119
#2	.00186	.00168
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4059.3**	**60272.**	**4259.2**
Stddev	3.8	167.	12.8
%RSD	.09380	.27763	.29938
#1	4056.6	60153.	4250.2
#2	4061.9	60390.	4268.2

Sample Name: CCVL-942742 Acquired: 8/25/2011 18:40:53 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01071**	**.10292**	**.01484**	**.10218**	**.01028**	**.00092**	W **.12765**	**.20874**	**.00536**	**.01025**	**.01013**
Stddev	.00007	.00055	.00329	.00008	.00024	.00009	.00017	.00103	.00003	.00008	.00003
%RSD	.64861	.53530	22.196	.07345	2.3281	9.6304	.12948	.49430	.64483	.73865	.26618
#1	.01066	.10253	.01717	.10212	.01011	.00098	.12776	.20801	.00534	.01020	.01011
#2	.01076	.10331	.01251	.10223	.01045	.00086	.12753	.20947	.00539	.01031	.01015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							20.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01621**	**.10961**	**3.0708**	F **.01561**	**.21925**	**.01101**	**.01994**	**1.1210**	**.04222**	**2.8228**	**.00973**
Stddev	.00002	.00392	.0304	.00004	.00026	.00001	.00013	.0081	.00006	.0015	.00170
%RSD	.13577	3.5741	.99098	.23333	.11950	.11929	.65745	.71979	.14404	.05187	17.427
#1	.01622	.10684	3.0493	.01558	.21906	.01102	.01985	1.1267	.04226	2.8218	.01093
#2	.01619	.11238	3.0923	.01563	.21943	.01100	.02003	1.1153	.04217	2.8239	.00853
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00045**	**.01063**	**.01455**	**.49089**	**.10139**	**.01088**	W **.01186**	**.01008**	**.01763**	F **.12889**	**.01029**
Stddev	.00201	.00118	.00317	.00800	.00002	.00011	.00024	.00028	.00157	.00432	.00027
%RSD	443.23	11.118	21.771	1.6293	.02253	1.0136	2.0352	2.7838	8.9235	3.3523	2.6269
#1	.00097	.00979	.01679	.48524	.10140	.01096	.01169	.00988	.01651	.13194	.01048
#2	-.00187	.01146	.01231	.49655	.10137	.01081	.01203	.01028	.01874	.12583	.01010
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value							.01500			.06000	
Range							-20.000%			30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02277**	W **.01831**
Stddev	.00045	.00237
%RSD	1.9635	12.917
#1	.02309	.01998
#2	.02246	.01664
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4151.4**	**60976.**	**4331.1**
Stddev	1.5	41.	12.2
%RSD	.03553	.06805	.28094
#1	4150.4	60946.	4339.7
#2	4152.5	61005.	4322.5

Sample Name: mb 280-82676/1-b Acquired: 8/25/2011 18:43:26 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82824 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00080	.00069	.00037	.00025	-.00036	-.00001	.00130	.00706	.00000	-.00004
Stddev	.00035	.00004	.00214	.00045	.00039	.00000	.00306	.00482	.00002	.00003
%RSD	43.902	5.3300	582.56	184.36	109.40	34.196	235.22	68.243	427.79	57.642
#1	.00105	.00066	-.00115	-.00007	-.00064	-.00001	.00346	.00365	-.00001	-.00006
#2	.00055	.00071	.00188	.00057	-.00008	-.00001	-.00086	.01046	.00002	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00014	.00018	.00286	-.01337	W .00430	.00239	.00022	-.00002	-.01166	.00033
Stddev	.00001	.00020	.00130	.03438	.00186	.00059	.00000	.00026	.02661	.00030
%RSD	7.3496	108.03	45.536	257.05	43.217	24.764	1.0121	1620.4	228.27	91.103
#1	-.00013	.00004	.00194	-.03768	.00561	.00281	.00022	-.00020	-.03048	.00055
#2	-.00015	.00032	.00379	.01093	.00299	.00197	.00022	.00017	.00716	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00261					
Low Limit					-.00261					

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00145	.00059	.00438	.00103	-.00037	-.00444	.00029	-.00001	-.00180	.00004
Stddev	.00109	.00064	.00804	.00218	.00094	.02418	.00036	.00001	.00155	.00016
%RSD	75.223	108.22	183.46	210.52	253.74	544.50	122.46	102.61	86.352	409.79
#1	-.00222	.00104	-.00130	.00258	-.00104	.01266	.00004	-.00002	-.00289	-.00007
#2	-.00068	.00014	.01007	-.00051	.00030	-.02154	.00055	.00000	-.00070	.00015
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00051	.01514	-.00020	.00103	.00120
Stddev	.00032	.02267	.00029	.00002	.00230
%RSD	62.763	149.72	144.54	2.4144	191.88
#1	.00074	.03117	-.00041	.00101	.00282
#2	.00028	-.00089	.00000	.00104	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4151.9	61268.	4359.7
Stddev	1.7	43.	10.9
%RSD	.04191	.07076	.25113
#1	4153.1	61298.	4367.4
#2	4150.6	61237.	4352.0

Sample Name: lcs 280-82676/2-b Acquired: 8/25/2011 18:46:02 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82824 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05214**	**1.9714**	F **1.1086**	**1.0180**	**2.2185**	**.05457**	F **2.4983**	**52.708**	F **.11386**	**.51938**
Stddev	.00004	.0225	.0072	.0004	.0027	.00004	.0059	.094	.00012	.00078
%RSD	.07529	1.1418	.64698	.03763	.12314	.07032	.23482	.17804	.10704	.14943
#1	.05211	1.9873	1.1035	1.0182	2.2165	.05454	2.5024	52.642	.11395	.51993
#2	.05216	1.9555	1.1136	1.0177	2.2204	.05460	2.4941	52.775	.11378	.51883
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit			1.0900				2.2000		.11000	
Low Limit			.86000				1.8000		.08700	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21188**	**.27874**	**1.0799**	**54.784**	**1.0852**	**55.179**	F **.55430**	**1.0438**	F **57.632**	**.52569**
Stddev	.00019	.00009	.0011	.114	.0019	.003	.00059	.0000	.409	.00041
%RSD	.09179	.03408	.10000	.20723	.17931	.00552	.10640	.00158	.70935	.07745
#1	.21202	.27881	1.0807	54.703	1.0838	55.181	.55472	1.0438	57.342	.52598
#2	.21175	.27867	1.0792	54.864	1.0866	55.177	.55388	1.0438	57.921	.52540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit							.55000		56.000	
Low Limit							.45000		45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.581**	**.54307**	**-.00528**	**.52033**	F **2.2183**	**9.9424**	**2.0357**	F **1.1239**	**1.0678**	**1.0299**
Stddev	.026	.00050	.00175	.00107	.0042	.0751	.0018	.0013	.0028	.0007
%RSD	.24283	.09165	33.248	.20656	.18955	.75529	.08774	.11120	.25871	.06411
#1	10.599	.54342	-.00404	.51957	2.2153	9.8893	2.0369	1.1230	1.0698	1.0303
#2	10.563	.54272	-.00652	.52109	2.2213	9.9955	2.0344	1.1248	1.0659	1.0294
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit					2.2000			1.1000		
Low Limit					1.8000			.91000		

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.1132**	F **2.3693**	F **.56267**	F **.55141**	**.54058**
Stddev	.0035	.0035	.00040	.00044	.00369
%RSD	.16678	.14899	.07108	.08069	.68278
#1	2.1107	2.3668	.56295	.55173	.54319
#2	2.1157	2.3717	.56239	.55110	.53797
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass
High Limit		2.3200	.56000	.55000	
Low Limit		1.7000	.44000	.42500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3973.2**	**57550.**	**4354.9**
Stddev	5.3	189.	3.7
%RSD	.13284	.32755	.08434
#1	3969.5	57417.	4357.5
#2	3976.9	57683.	4352.3

Sample Name: 280-19390-c-1-e Acquired: 8/25/2011 18:48:20 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82824 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00017**	k **1.5246**	k **-.00023**	**.04831**	**.01359**	**.00373**	k **-.00781**	**242.20**	k **.01050**	**.12166**
Stddev	.00077	.0114	.00239	.00048	.00036	.00002	.00036	.32	.00003	.00024
%RSD	460.03	.74599	1051.4	.98453	2.6210	.40299	4.6113	.13363	.27524	.19756
#1	k -.00071	k 1.5327	k -.00191	.04864	.01334	.00372	k -.00806	242.43	k .01048	.12183
#2	k .00038	k 1.5166	k .00146	.04797	.01384	.00374	k -.00756	241.97	k .01052	.12149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00037**	k **.31889**	k **123.52**	**7.5907**	**.03093**	**76.922**	F **25.062**	**.00268**	**36.131**	**.19396**
Stddev	.00014	.00063	.21	.0138	.00003	.014	.116	.00149	.356	.00005
%RSD	38.660	.19720	.16919	.18198	.09373	.01783	.46183	55.499	.98404	.02673
#1	k .00027	k .31845	k 123.37	7.5810	.03091	76.932	25.144	.00163	36.382	.19400
#2	k .00047	k .31934	k 123.67	7.6005	.03095	76.913	24.980	.00373	35.880	.19392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							20.000			
Low Limit							-.02000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00672**	k **.03256**	**402.34**	k **-.00773**	k **.00689**	**14.748**	k **.00945**	**2.0375**	k **.09739**	k **.00071**
Stddev	.00029	.00004	.01	.00048	.00286	.050	.00104	.0045	.00038	.00001
%RSD	4.3437	.13294	.00209	6.2497	41.507	.33712	11.017	.22306	.39150	1.9849
#1	.00652	k .03252	402.35	k -.00739	k .00487	14.713	k .00871	2.0343	k .09766	k .00070
#2	.00693	k .03259	402.34	k -.00807	k .00892	14.783	k .01019	2.0407	k .09712	k .00072
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **.01371**	kW **-.07278**	^ *****	**6.8499**	k **.00039**
Stddev	.00005	.00276	-----	.0074	.00006
%RSD	.38812	3.7975	-----	.10792	14.587
#1	k .01375	k -.07083	^ -----	6.8551	k .00043
#2	k .01367	k -.07474	^ -----	6.8446	k .00035
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4395.5**	**63713.**	**4910.1**
Stddev	2.4	59.	6.8
%RSD	.05476	.09227	.13766
#1	4397.2	63672.	4914.9
#2	4393.8	63755.	4905.4

Sample Name: 280-19414-c-1-b Acquired: 8/25/2011 18:50:59 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82824 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00038	4.9412	-.00109	.01772	.08844	.00022	.00133	10.252	.00034	.00042
Stddev	.00037	.0842	.00301	.00014	.00013	.00004	.00011	.050	.00019	.00002
%RSD	97.406	1.7030	275.89	.76997	.14393	17.221	8.2939	.48978	55.832	5.8623
#1	.00012	4.8817	.00104	.01782	.08853	.00019	.00126	10.216	.00021	.00044
#2	.00064	5.0007	-.00322	.01762	.08835	.00024	.00141	10.287	.00048	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00315	.00639	1.9331	5.1393	.00955	3.3096	.01664	.00080	8.2979	.00263
Stddev	.00007	.00035	.0052	.0082	.00083	.0030	.00000	.00047	.0104	.00045
%RSD	2.0734	5.4323	.27075	.15951	8.7156	.09111	.00138	59.201	.12483	16.973
#1	.00310	.00664	1.9368	5.1335	.01014	3.3074	.01664	.00046	8.2906	.00294
#2	.00319	.00615	1.9294	5.1451	.00896	3.3117	.01664	.00113	8.3052	.00231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05545	.00176	5.3047	-.00059	.00206	10.331	-.00051	.18219	.00033	.07853
Stddev	.00217	.00080	.0397	.00099	.00140	.011	.00047	.00001	.00039	.00027
%RSD	3.9193	45.455	.74780	169.16	67.725	.10618	91.036	.00458	118.52	.34374
#1	.05392	.00120	5.2767	.00011	.00107	10.323	-.00084	.18219	.00005	.07872
#2	.05699	.00233	5.3328	-.00129	.00305	10.339	-.00018	.18218	.00061	.07834
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00162	.00161	.00806	.01630	.00585
Stddev	.00192	.02710	.00071	.00034	.00344
%RSD	118.25	1683.8	8.7659	2.1055	58.737
#1	.00027	.02077	.00856	.01655	.00828
#2	.00298	-.01755	.00756	.01606	.00342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4149.5	60594.	4456.5
Stddev	.5	2.	15.9
%RSD	.01179	.00408	.35603
#1	4149.9	60596.	4467.7
#2	4149.2	60592.	4445.2

Sample Name: 280-19414-c-2-b Acquired: 8/25/2011 18:53:29 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82824 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.33245**	**.00090**	**.01816**	**.08237**	**-.00002**	**.00108**	**20.175**	**.00017**	**.00011**
Stddev	.00004	.00430	.00082	.00036	.00002	.00004	.00285	.035	.00002	.00005
%RSD	28.150	1.2941	91.602	2.0069	.02135	167.84	264.55	.17368	13.135	44.951
#1	-.00011	.32940	.00032	.01790	.08236	.00000	.00309	20.200	.00019	.00007
#2	-.00017	.33549	.00148	.01842	.08238	-.00005	-.00094	20.150	.00016	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00409**	**.30557**	**4.1291**	**.00865**	**6.3208**	**.00194**	**.00077**	**21.082**	**.00143**
Stddev	.00008	.00019	.00069	.0314	.00168	.0127	.00001	.00033	.019	.00032
%RSD	12.874	4.5917	.22724	.76066	19.373	.20023	.74070	42.214	.08923	22.613
#1	.00053	.00396	.30606	4.1513	.00983	6.3298	.00193	.00054	21.068	.00120
#2	.00064	.00422	.30508	4.1069	.00746	6.3119	.00195	.00101	21.095	.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02609**	**-.00148**	**13.049**	**-.00316**	**.00175**	**3.8540**	**.00013**	**.38209**	**-.00124**	**.06397**
Stddev	.00183	.00056	.010	.00033	.00037	.0249	.00050	.00033	.00115	.00044
%RSD	7.0328	38.134	.08036	10.565	20.938	.64655	389.47	.08737	92.539	.69094
#1	.02739	-.00188	13.056	-.00340	.00149	3.8364	.00048	.38185	-.00206	.06428
#2	.02479	-.00108	13.041	-.00292	.00201	3.8716	-.00022	.38232	-.00043	.06366
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00185**	**.02486**	**.00219**	**.00474**	**.00521**
Stddev	.00042	.02777	.00027	.00016	.00107
%RSD	22.853	111.72	12.489	3.3211	20.611
#1	.00215	.04450	.00238	.00485	.00445
#2	.00155	.00522	.00200	.00463	.00596
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4106.2**	**60108.**	**4425.8**
Stddev	6.0	241.	8.0
%RSD	.14704	.40013	.18002
#1	4101.9	59938.	4420.2
#2	4110.5	60278.	4431.4

Sample Name: 280-19414-c-3-b Acquired: 8/25/2011 18:56:02 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82824 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00109	.39168	.00038	.02253	.09276	-.00005	.00370	39.680	.00033	-.00021
Stddev	.00080	.00044	.00284	.00033	.00077	.00000	.00212	.189	.00015	.00023
%RSD	73.256	.11234	744.11	1.4457	.83115	.00917	57.267	.47638	44.395	109.42
#1	.00053	.39199	-.00163	.02230	.09221	-.00005	.00520	39.547	.00043	-.00038
#2	.00166	.39137	.00239	.02276	.09330	-.00005	.00220	39.814	.00023	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00076	.00214	.25224	2.2296	.01325	9.8518	.00404	.00110	19.430	.00090
Stddev	.00008	.00037	.00064	.0712	.00516	.2250	.00010	.00019	.055	.00040
%RSD	10.886	17.450	.25546	3.1954	38.988	2.2835	2.5704	17.456	.28402	44.779
#1	.00071	.00188	.25270	2.1793	.01690	9.6927	.00397	.00096	19.391	.00061
#2	.00082	.00241	.25179	2.2800	.00959	10.011	.00411	.00123	19.469	.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01247	-.00020	17.919	-.00002	.00234	5.4559	-.00075	.42079	-.00228	.01421
Stddev	.00231	.00001	.111	.00223	.00294	.0241	.00051	.00199	.00066	.00027
%RSD	18.524	3.7769	.62020	10983.	125.34	.44250	68.138	.47369	29.092	1.9069
#1	.01083	-.00020	17.841	.00156	.00027	5.4389	-.00111	.41939	-.00181	.01440
#2	.01410	-.00019	17.998	-.00160	.00442	5.4730	-.00039	.42220	-.00275	.01402
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00186	.01438	.00180	.01277	.00480
Stddev	.00122	.01910	.00081	.00103	.00116
%RSD	65.895	132.80	45.022	8.0549	24.230
#1	.00272	.02789	.00237	.01204	.00398
#2	.00099	.00088	.00123	.01349	.00562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4089.1	59138.	4423.5
Stddev	18.6	784.	4.1
%RSD	.45446	1.3252	.09342
#1	4102.2	59692.	4426.5
#2	4076.0	58584.	4420.6

Sample Name: 280-19414-c-3-bSD@5 Acquired: 8/25/2011 18:58:34 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82824 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00010	.08260	.00135	.00440	.01823	-.00002	.00013	7.9502	.00015	-.00023
Stddev	.00002	.00257	.00176	.00006	.00031	.00010	.00262	.0210	.00018	.00013
%RSD	25.896	3.1119	130.23	1.4212	1.6895	462.55	2024.0	.26443	119.74	54.237
#1	.00008	.08079	.00260	.00445	.01801	.00005	-.00172	7.9354	.00002	-.00032
#2	.00011	.08442	.00011	.00436	.01845	-.00009	.00198	7.9651	.00027	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	.00065	.04993	.43583	.00531	1.9877	.00081	-.00010	3.7541	.00024
Stddev	.00007	.00024	.00345	.06822	.00073	.0057	.00008	.00022	.0091	.00001
%RSD	32.630	36.656	6.9089	15.654	13.745	.28916	10.366	206.83	.24290	3.0492
#1	.00028	.00048	.05237	.48408	.00583	1.9836	.00075	-.00026	3.7477	.00024
#2	.00017	.00082	.04749	.38759	.00480	1.9917	.00087	.00005	3.7606	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00041	-.00016	3.5449	-.00018	.00067	1.0790	.00036	.08466	-.00067	.00284
Stddev	.00159	.00214	.0005	.00005	.00128	.0084	.00113	.00019	.00119	.00023
%RSD	388.84	1329.7	.01456	24.781	191.54	.77763	311.01	.22411	178.19	8.1592
#1	.00071	.00135	3.5453	-.00015	.00158	1.0849	-.00044	.08453	-.00151	.00268
#2	-.00153	-.00167	3.5446	-.00022	-.00024	1.0730	.00117	.08480	.00017	.00301
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00030	-.00267	.00057	.00290	.00298
Stddev	.00048	.03735	.00011	.00032	.00194
%RSD	159.10	1397.7	19.561	11.137	65.094
#1	.00004	.02374	.00049	.00267	.00435
#2	-.00064	-.02909	.00065	.00313	.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4128.0	60698.	4403.8
Stddev	8.0	84.	7.8
%RSD	.19457	.13920	.17651
#1	4122.4	60758.	4398.4
#2	4133.7	60638.	4409.3

Sample Name: 280-19414-c-3-c ms Acquired: 8/25/2011 19:01:09 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82824 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05018**	**2.2650**	**1.0620**	**1.0510**	**2.1951**	**.05162**	**2.3634**	**89.317**	**.10846**	**.49224**
Stddev	.00106	.0157	.0004	.0047	.0042	.00015	.0089	.211	.00043	.00139
%RSD	2.1193	.69177	.03834	.45130	.19022	.29638	.37853	.23649	.39929	.28252
#1	.05093	2.2761	1.0617	1.0476	2.1981	.05173	2.3570	89.466	.10815	.49126
#2	.04943	2.2539	1.0622	1.0543	2.1922	.05152	2.3697	89.167	.10877	.49323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20260**	**.26700**	**1.2693**	**54.539**	**1.0451**	**61.712**	**.52734**	**1.0587**	**73.052**	**.49710**
Stddev	.00003	.00111	.0002	.094	.0009	.016	.00011	.0028	.075	.00102
%RSD	.01630	.41436	.01514	.17279	.08355	.02540	.02048	.26838	.10231	.20557
#1	.20257	.26622	1.2692	54.606	1.0457	61.701	.52741	1.0567	73.105	.49638
#2	.20262	.26778	1.2694	54.473	1.0444	61.723	.52726	1.0607	72.999	.49783
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.113**	**.51326**	**18.535**	**.52912**	**2.1020**	**15.521**	**2.0635**	**1.4896**	**1.0186**	**1.0564**
Stddev	.007	.00354	.054	.00553	.0077	.035	.0045	.0022	.0001	.0016
%RSD	.07275	.68975	.29094	1.0450	.36710	.22505	.21917	.14630	.01118	.15161
#1	10.118	.51076	18.497	.52521	2.0965	15.497	2.0603	1.4912	1.0187	1.0552
#2	10.108	.51577	18.574	.53303	2.1074	15.546	2.0667	1.4881	1.0185	1.0575
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9974**	**2.2435**	**.54034**	**.52221**	**.54308**
Stddev	.0088	.0240	.00061	.00079	.00192
%RSD	.44075	1.0712	.11346	.15112	.35292
#1	1.9912	2.2605	.54078	.52277	.54443
#2	2.0036	2.2265	.53991	.52165	.54172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3961.6**	**57257.**	**4389.2**
Stddev	2.0	49.	16.9
%RSD	.05009	.08620	.38587
#1	3963.0	57222.	4401.2
#2	3960.2	57292.	4377.3

Sample Name: 280-19414-c-3-d msd Acquired: 8/25/2011 19:03:28 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82824 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04966**	**2.2330**	**1.0494**	**1.0402**	**2.1684**	**.05114**	**2.3306**	**87.986**	**.10726**	**.48514**
Stddev	.00030	.0148	.0045	.0024	.0023	.00006	.0015	.003	.00002	.00021
%RSD	.60074	.66182	.43043	.23038	.10494	.12029	.06493	.00324	.01660	.04270
#1	.04988	2.2435	1.0462	1.0419	2.1700	.05109	2.3317	87.988	.10724	.48529
#2	.04945	2.2226	1.0526	1.0385	2.1668	.05118	2.3295	87.984	.10727	.48500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19943**	**.26251**	**1.2420**	**53.843**	**1.0312**	**60.859**	**.52111**	**1.0516**	**72.584**	**.49086**
Stddev	.00064	.00019	.0056	.026	.0014	.059	.00038	.0017	.086	.00078
%RSD	.31950	.07154	.45297	.04888	.13846	.09658	.07284	.15740	.11907	.15797
#1	.19898	.26237	1.2460	53.862	1.0302	60.818	.52084	1.0527	72.645	.49140
#2	.19988	.26264	1.2380	53.824	1.0322	60.901	.52138	1.0504	72.523	.49031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9849**	**.50372**	**18.306**	**.52170**	**2.0839**	**15.403**	**2.0419**	**1.4712**	**1.0071**	**1.0419**
Stddev	.0052	.00149	.036	.00078	.0035	.015	.0001	.0002	.0011	.0004
%RSD	.05203	.29541	.19801	.14964	.16952	.09554	.00713	.01438	.10541	.03971
#1	9.9813	.50266	18.331	.52225	2.0814	15.393	2.0420	1.4714	1.0064	1.0422
#2	9.9886	.50477	18.280	.52115	2.0864	15.414	2.0418	1.4711	1.0079	1.0416
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9621**	**2.2131**	**.53214**	**.51403**	**.53919**
Stddev	.0006	.0061	.00074	.00031	.00005
%RSD	.02882	.27497	.13891	.06017	.00994
#1	1.9617	2.2088	.53267	.51381	.53915
#2	1.9625	2.2174	.53162	.51424	.53923
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3968.3**	**57439.**	**4401.5**
Stddev	.7	30.	9.6
%RSD	.01662	.05297	.21736
#1	3968.8	57460.	4408.2
#2	3967.9	57417.	4394.7

Sample Name: CCVH-940568 Acquired: 8/25/2011 19:05:46 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02228**	**49.648**	**-.00048**	**.00465**	**.00166**	**.00083**	**.98626**	**.14387**	**.00019**	**.00301**	**.00112**	**-.00216**	**50.816**
Stddev	.00004	.041	.00162	.00083	.00004	.00003	.00070	.00286	.00011	.00000	.00003	.00030	.048
%RSD	.18909	.08219	339.45	17.801	2.6081	3.6796	.07068	1.9905	57.154	.10291	3.0918	14.055	.09493
#1	-.02225	49.677	-.00162	.00524	.00163	.00085	.98675	.14185	.00026	.00301	.00114	-.00237	50.782
#2	-.02231	49.619	.00067	.00407	.00169	.00081	.98577	.14590	.00011	.00300	.00109	-.00195	50.850
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32207**	**.00945**	**-.05181**	**.00473**	**.00434**	**264.72**	**.00274**	**.00465**	**.00108**	**5.0938**	**-.00771**	**.02394**	**.03535**
Stddev	.05348	.00456	.00397	.00009	.00181	.51	.00006	.00013	.00155	.0070	.00061	.00289	.01277
%RSD	16.606	48.306	7.6668	1.8118	41.619	.19390	2.2007	2.8627	144.44	.13750	7.9233	12.061	36.122
#1	.35989	.00622	-.05462	.00467	.00306	265.09	.00270	.00456	.00217	5.0988	-.00814	.02189	.02632
#2	.28426	.01267	-.04900	.00479	.00562	264.36	.00278	.00475	-.00002	5.0889	-.00728	.02598	.04438
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00445**	**.00171**	**4.9526**	**.00513**	**.00591**	**10.669**	**-.00894**	**.03038**	**.02188**
Stddev	.00095	.00012	.0031	.00022	.00367	.030	.00035	.00035	.00291
%RSD	21.307	7.0323	.06161	4.3513	62.225	.28267	3.9055	1.1473	13.283
#1	.00378	.00179	4.9504	.00528	.00850	10.690	-.00869	.03063	.01982
#2	.00512	.00162	4.9548	.00497	.00331	10.648	-.00919	.03013	.02393
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3973.5**	**57398.**	**4334.3**
Stddev	3.7	99.	5.9
%RSD	.09378	.17185	.13529
#1	3970.9	57329.	4338.4
#2	3976.2	57468.	4330.2

Sample Name: CCV-940591 Acquired: 8/25/2011 19:08:16 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52398**	**.50041**	**1.0288**	**.51546**	**.51619**	**.50948**	**.00242**	**4.9856**	**.51901**	**.49764**	**.49760**	**.52331**	**2.5603**	**50.586**
Stddev	.00242	.00469	.0021	.00033	.00021	.00160	.00220	.0146	.00016	.00023	.00049	.00036	.0073	.055
%RSD	.46254	.93734	.19937	.06452	.04089	.31454	90.801	.29204	.03027	.04577	.09771	.06921	.28670	.10922
#1	.52227	.49709	1.0302	.51523	.51604	.50834	.00398	4.9753	.51913	.49747	.49726	.52306	2.5551	50.547
#2	.52569	.50372	1.0273	.51570	.51634	.51061	.00087	4.9959	.51890	.49780	.49795	.52357	2.5654	50.625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0117**	**20.759**	**.52362**	**.51569**	**5.3798**	**.50630**	**.96935**	**1.0362**	**.00563**	**1.0150**	**1.0237**	**5.0330**	**1.0183**	**.52248**
Stddev	.0036	.064	.00127	.00099	.0031	.00055	.00236	.0018	.00219	.0019	.0011	.0374	.0011	.00128
%RSD	.35489	.30645	.24162	.19277	.05824	.10779	.24311	.17619	38.870	.19052	.10392	.74262	.10944	.24467
#1	1.0142	20.714	.52273	.51639	5.3820	.50668	.96769	1.0375	.00409	1.0164	1.0230	5.0066	1.0191	.52157
#2	1.0091	20.804	.52451	.51499	5.3776	.50591	.97102	1.0349	.00718	1.0137	1.0245	5.0595	1.0175	.52338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.49824**	**1.0115**	**.03220**	**.52052**	**.51799**	**.52588**
Stddev	.00249	.00091	.0017	.01838	.00241	.00101	.00535
%RSD	420.69	.18360	.16702	57.091	.46292	.19413	1.0178
#1	.00236	.49759	1.0103	.01920	.51882	.51727	.52210
#2	-.00117	.49889	1.0126	.04520	.52222	.51870	.52967
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4076.2**	**59567.**	**4338.5**
Stddev	.5	140.	6.4
%RSD	.01266	.23559	.14808
#1	4076.6	59666.	4334.0
#2	4075.8	59468.	4343.1

Sample Name: CCB Acquired: 8/25/2011 19:10:38 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**.00080**	**-.00114**	**.00150**	**-.00036**	**-.00012**	**.00390**	**.00160**	**.00015**	**.00018**	**.00013**	**-.00058**
Stddev	.00018	.00025	.00129	.00003	.00036	.00008	.00192	.00186	.00002	.00018	.00019	.00019
%RSD	19.572	31.123	112.46	2.0732	100.91	62.965	49.192	115.96	15.753	98.228	140.74	32.349
#1	.00103	.00098	-.00205	.00148	-.00062	-.00018	.00525	.00029	.00017	.00031	.00027	-.00045
#2	.00078	.00063	-.00023	.00153	-.00010	-.00007	.00254	.00292	.00014	.00006	.00000	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.08051**	F **.00559**	**-.00089**	**-.00002**	**.00260**	**.02915**	**.00014**	**-.00019**	**-.00031**	**.00873**	F **.00731**
Stddev	.00021	.03400	.00457	.00076	.00002	.00082	.01558	.00054	.00015	.00101	.00492	.00025
%RSD	138.22	42.226	81.841	84.764	80.908	31.670	53.457	398.88	76.625	322.27	56.275	3.3676
#1	-.00030	.10455	.00882	-.00036	-.00001	.00202	.01813	-.00025	-.00009	-.00103	.00526	.00714
#2	.00000	.05647	.00235	-.00143	-.00004	.00318	.04017	.00052	-.00029	.00040	.01221	.00748
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail
High Limit			.00522									.00628
Low Limit			-.00522									-.00628

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00477**	**.00279**	**.00055**	**.00026**	**-.00062**	**.00008**	**.00133**	**.02199**	**.00037**	**.00153**	**.00220**
Stddev	.00279	.00576	.00104	.00011	.00043	.00030	.00047	.01861	.00065	.00002	.00210
%RSD	58.493	206.55	191.19	43.422	70.085	372.38	34.880	84.625	174.98	.99341	95.098
#1	.00280	.00686	-.00019	.00035	-.00092	-.00013	.00101	.03515	.00083	.00152	.00369
#2	.00674	-.00128	.00129	.00018	-.00031	.00030	.00166	.00883	-.00009	.00154	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4094.1**	**60711.**	**4323.3**
Stddev	2.8	134.	.7
%RSD	.06751	.22102	.01533
#1	4096.1	60616.	4322.8
#2	4092.2	60806.	4323.8

Sample Name: CCVL942742 Acquired: 8/25/2011 19:13:13 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01136**	**.10530**	**.01403**	**.10287**	**.01031**	**.00095**	F **.13248**	**.20807**	**.00551**	**.01051**	**.01035**
Stddev	.00041	.00003	.00236	.00043	.00029	.00005	.00140	.00052	.00007	.00002	.00011
%RSD	3.6015	.02843	16.846	.41681	2.8337	5.6911	1.0563	.25051	1.2261	.19413	1.0322
#1	.01165	.10528	.01570	.10317	.01051	.00099	.13149	.20844	.00547	.01050	.01027
#2	.01107	.10532	.01236	.10256	.01010	.00091	.13347	.20770	.00556	.01052	.01043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01669**	**.11208**	**3.1082**	F **.01517**	**.22075**	**.01118**	**.02040**	**1.1155**	**.04217**	**2.8453**	**.01004**
Stddev	.00023	.00083	.0252	.00017	.00089	.00003	.00002	.0167	.00027	.0031	.00108
%RSD	1.3597	.74208	.80986	1.1306	.40506	.29751	.11715	1.4942	.64442	.10971	10.771
#1	.01685	.11149	3.1260	.01505	.22012	.01116	.02042	1.1273	.04236	2.8475	.00928
#2	.01653	.11267	3.0904	.01529	.22138	.01120	.02039	1.1037	.04198	2.8431	.01081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00638**	**.00944**	**.01284**	**.48885**	**.10143**	**.01082**	**.01407**	**.01012**	W **.01824**	W **.07317**	**.01059**
Stddev	.00194	.00194	.00239	.00196	.00044	.00010	.00134	.00003	.00154	.01778	.00022
%RSD	30.469	20.536	18.588	.40103	.43351	.88400	9.4926	.27774	8.4394	24.302	2.0935
#1	.00500	.00807	.01116	.48747	.10174	.01089	.01313	.01014	.01715	.08574	.01074
#2	.00775	.01081	.01453	.49024	.10112	.01075	.01502	.01010	.01933	.06059	.01043
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
Value									.01500	.06000	
Range									20.000%	20.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02374**	**.01755**
Stddev	.00099	.00414
%RSD	4.1502	23.588
#1	.02305	.02048
#2	.02444	.01462
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4154.3**	**61285.**	**4390.9**
Stddev	4.3	83.	29.8
%RSD	.10237	.13485	.67791
#1	4151.3	61343.	4369.8
#2	4157.3	61226.	4411.9

Sample Name: mb 280-82610/1-a Acquired: 8/25/2011 19:15:47 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82610 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00024	.00273	-.00176	.00113	.00006	-.00002	-.00155	.00647	.00014	-.00010
Stddev	.00010	.00089	.00211	.00013	.00060	.00009	.00160	.00825	.00010	.00030
%RSD	41.676	32.708	120.00	11.653	1085.4	448.16	102.91	127.53	72.413	307.57
#1	-.00031	.00336	-.00326	.00104	-.00037	-.00008	-.00042	.01230	.00022	-.00031
#2	-.00017	.00210	-.00027	.00123	.00048	.00004	-.00269	.00064	.00007	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00000	.00055	.00401	.04652	.00161	-.00113	W .00032	.00042	.02308	.00043
Stddev	.00012	.00017	.00311	.02542	.00269	.00071	.00001	.00038	.00775	.00011
%RSD	4984.6	30.900	77.608	54.645	167.78	63.030	3.5932	90.574	33.595	24.722
#1	-.00008	.00043	.00181	.06449	.00351	-.00063	.00031	.00015	.01760	.00035
#2	.00009	.00067	.00621	.02854	-.00030	-.00163	.00033	.00069	.02856	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.00025			
Low Limit							-.00025			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00166	-.00213	.00419	.00139	-.00067	-.00997	.00025	.00011	-.00063	.00017
Stddev	.00128	.00008	.00361	.00008	.00272	.00440	.00103	.00011	.00013	.00025
%RSD	77.287	3.5940	86.066	5.8270	405.81	44.115	404.48	94.589	19.800	148.75
#1	-.00075	-.00208	.00674	.00144	.00125	-.01309	-.00047	.00019	-.00055	-.00001
#2	-.00256	-.00219	.00164	.00133	-.00259	-.00686	.00098	.00004	-.00072	.00035
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00102	W .02696	.00065	.00147	.00364
Stddev	.00052	.00756	.00006	.00026	.00129
%RSD	51.395	28.047	8.5209	17.728	35.442
#1	.00065	.03230	.00069	.00165	.00455
#2	.00139	.02161	.00061	.00128	.00273
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.01610			
Low Limit		-.01610			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4183.5	62138.	4440.6
Stddev	19.6	223.	27.8
%RSD	.46751	.35821	.62565
#1	4197.3	61981.	4420.9
#2	4169.7	62296.	4460.2

Sample Name: lcs 280-82610/2-a Acquired: 8/25/2011 19:18:23 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82610 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04706**	**1.7874**	**.97758**	**.95159**	**1.9769**	**.04837**	F **2.2232**	**46.766**	**.10111**	**.46412**
Stddev	.00001	.0131	.00525	.00280	.0016	.00000	.0012	.011	.00004	.00110
%RSD	.02878	.73489	.53704	.29439	.08196	.00100	.05285	.02409	.04338	.23805
#1	.04705	1.7967	.98129	.95357	1.9758	.04837	2.2241	46.758	.10108	.46490
#2	.04707	1.7781	.97387	.94961	1.9781	.04837	2.2224	46.774	.10114	.46334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18890**	**.24641**	**.96228**	**48.859**	**.96689**	**48.940**	**.48986**	**.97518**	**51.040**	**.46654**
Stddev	.00032	.00029	.00396	.072	.00231	.033	.00037	.00370	.067	.00202
%RSD	.16981	.11792	.41193	.14776	.23912	.06710	.07586	.37975	.13132	.43356
#1	.18913	.24662	.96508	48.808	.96525	48.963	.49012	.97780	50.993	.46797
#2	.18868	.24621	.95947	48.910	.96852	48.916	.48960	.97256	51.087	.46511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.4271**	**.48118**	**.00048**	**.48578**	**1.9640**	F **9.3497**	**1.9083**	**.99919**	**.94884**	**.96751**
Stddev	.0242	.00281	.00369	.00174	.0065	.0127	.0079	.00138	.00091	.00064
%RSD	.25654	.58387	760.66	.35865	.33007	.13569	.41477	.13790	.09581	.06576
#1	9.4442	.48317	.00309	.48701	1.9686	9.3407	1.9139	.99821	.94948	.96706
#2	9.4100	.47920	-.00212	.48454	1.9594	9.3587	1.9027	1.0002	.94819	.96796
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500				
Low Limit						9.4000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.8961**	**2.0962**	**.49766**	**.48711**	**.50212**
Stddev	.0039	.0078	.00010	.00143	.00126
%RSD	.20498	.37379	.02026	.29349	.25096
#1	1.8989	2.0907	.49773	.48812	.50123
#2	1.8934	2.1017	.49758	.48610	.50301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3970.9**	**57861.**	**4329.1**
Stddev	5.9	125.	9.2
%RSD	.14774	.21626	.21281
#1	3966.8	57950.	4335.7
#2	3975.1	57773.	4322.6

Sample Name: 280-19390-e-1-b Acquired: 8/25/2011 19:20:43 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82610 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **-.00049**	k **1.5952**	k **.00031**	**.04886**	k **.01377**	**.00390**	k **-.00935**	**249.30**	k **.01051**	**.12520**
Stddev	.00022	.0183	.00097	.00083	.00029	.00000	.00222	.87	.00007	.00023
%RSD	44.231	1.1464	315.55	1.7047	2.0989	.08126	23.685	.34969	.70430	.18564
#1	k -.00065	k 1.6081	k .00099	.04827	.01356	.00389	k -.01092	249.92	k .01045	.12504
#2	k -.00034	k 1.5823	k -.00038	.04945	k .01397	.00390	k -.00779	248.68	k .01056	.12537
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00032**	k **.32575**	k **127.15**	**7.7815**	**.02907**	**78.544**	F **25.525**	**.00302**	**36.775**	**.19749**
Stddev	.00000	.00027	.10	.0146	.00219	.248	.145	.00152	.139	.00022
%RSD	1.1867	.08241	.07649	.18738	7.5409	.31543	.56670	50.283	.37684	.11155
#1	k .00032	k .32556	k 127.08	7.7712	.02752	78.369	25.423	.00194	36.873	.19764
#2	k .00032	k .32594	k 127.22	7.7918	.03062	78.720	25.628	.00409	36.677	.19733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							20.000			
Low Limit							-.02000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00904**	k **.03876**	**407.98**	k **-.00587**	k **.01086**	**14.970**	k **.00934**	**2.0738**	k **.09937**	k **.00052**
Stddev	.00635	.00026	.40	.00210	.00009	.032	.00118	.0013	.00146	.00032
%RSD	70.298	.66180	.09686	35.744	.81410	.21657	12.641	.06292	1.4718	61.814
#1	.00455	k .03894	408.26	k -.00735	k .01093	14.992	k .00850	2.0747	k .09833	k .00029
#2	.01353	k .03858	407.70	k -.00438	k .01080	14.947	k .01017	2.0728	k .10040	k .00075
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **.01159**	kW **-.09727**	^ *****	**6.7249**	k **.00108**
Stddev	.00167	.03703	-----	.0167	.00083
%RSD	14.413	38.067	-----	.24829	77.155
#1	k .01041	k -.12346	^ -----	6.7131	k .00049
#2	k .01277	k -.07109	^ -----	6.7367	k .00167
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		45.000			
Low Limit		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4366.1**	**63587.**	**4894.7**
Stddev	3.0	149.	17.1
%RSD	.06919	.23396	.34869
#1	4364.0	63692.	4882.6
#2	4368.3	63481.	4906.8

Sample Name: 280-19390-e-1-bSD@5 Acquired: 8/25/2011 19:23:22 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82610 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.33142**	**.00027**	**.01159**	**.00266**	**.00093**	**-.00112**	**56.450**	**.00266**	**.02860**
Stddev	.00022	.00373	.00121	.00024	.00012	.00007	.00255	.295	.00004	.00012
%RSD	87.317	1.1245	450.04	2.1024	4.3970	7.6502	226.58	.52263	1.6057	.40635
#1	-.00041	.33405	-.00059	.01142	.00257	.00098	-.00293	56.241	.00262	.02868
#2	-.00010	.32878	.00113	.01176	.00274	.00088	.00068	56.658	.00269	.02852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.07314**	**28.103**	**1.7338**	**.01238**	**17.896**	**6.1481**	**-.00016**	**7.8219**	**.04540**
Stddev	.00032	.00068	.075	.0104	.00046	.036	.0199	.00001	.0606	.00022
%RSD	207.87	.92861	.26730	.59851	3.7390	.19918	.32414	6.4634	.77418	.49072
#1	-.00007	.07266	28.050	1.7411	.01205	17.871	6.1341	-.00017	7.7791	.04524
#2	.00038	.07362	28.156	1.7265	.01271	17.921	6.1622	-.00015	7.8647	.04555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00094**	**.00747**	**91.296**	**-.00015**	**.00047**	**3.2928**	**.00187**	**.45950**	**-.00256**	**-.00022**
Stddev	.00126	.00267	.108	.00011	.00060	.0438	.00004	.00198	.00304	.00000
%RSD	134.18	35.786	.11794	72.357	127.05	1.3295	2.2294	.43158	118.95	1.0473
#1	-.00183	.00558	91.220	-.00007	.00005	3.2619	.00184	.45810	-.00471	-.00022
#2	-.00005	.00936	91.372	-.00022	.00090	3.3238	.00190	.46090	-.00041	-.00022
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00208**	**-.00658**	F **-.21098**	**1.5513**	**.00358**
Stddev	.00168	.03468	.00066	.0056	.00024
%RSD	80.783	527.28	.31511	.36354	6.6511
#1	.00089	.01795	-.21145	1.5473	.00341
#2	.00327	-.03110	-.21051	1.5553	.00375
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			50.000		
Low Limit			-.02000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4120.7**	**60536.**	**4492.3**
Stddev	5.8	24.	45.4
%RSD	.14194	.04003	1.0103
#1	4124.8	60519.	4524.4
#2	4116.5	60553.	4460.2

Sample Name: 280-19390-e-1-c ms Acquired: 8/25/2011 19:25:59 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82610 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.04908**	W **3.2884**	k **.93867**	**.94080**	k **1.8687**	k **.04796**	k **2.0496**	**280.55**	k **.11573**	k **.54408**
Stddev	.00004	.0484	.00282	.00139	.0011	.00024	.0085	3.79	.00018	.00070
%RSD	.08818	1.4706	.29989	.14724	.05683	.49624	.41636	1.3502	.15601	.12789
#1	k .04911	3.3226	k .93668	.94178	k 1.8695	k .04779	k 2.0556	283.23	k .11586	k .54457
#2	k .04905	3.2542	k .94066	.93982	k 1.8680	k .04812	k 2.0436	277.87	k .11560	k .54359
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00								
Low Limit		4.0000								

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.17440**	k **.54299**	k **123.82**	**55.074**	**.97217**	k **122.14**	F **25.040**	**.92624**	**84.646**	**.61671**
Stddev	.00054	.00053	.30	.014	.00161	.17	.021	.00287	.152	.00023
%RSD	.31202	.09750	.24079	.02540	.16589	.13672	.08352	.31021	.17963	.03800
#1	k .17478	k .54337	k 124.03	55.064	.97331	k 122.26	25.055	.92827	84.753	.61655
#2	k .17402	k .54262	k 123.61	55.083	.97103	k 122.02	25.026	.92420	84.538	.61688
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							20.000			
Low Limit							-.02000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.9266**	k **.47780**	**403.62**	k **.46185**	k **1.8607**	k **23.290**	k **1.7823**	**2.9673**	k **1.0336**	k **.92139**
Stddev	.0253	.00095	.38	.00150	.0077	.060	.0025	.0012	.0017	.00131
%RSD	.28387	.19849	.09499	.32549	.41185	.25686	.14090	.04006	.16626	.14197
#1	8.9445	k .47713	403.89	k .46292	k 1.8553	k 23.247	k 1.7805	2.9664	k 1.0348	k .92232
#2	8.9086	k .47847	403.34	k .46079	k 1.8661	k 23.332	k 1.7841	2.9681	k 1.0324	k .92047
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **1.6781**	k **1.8433**	^ *****	**6.8433**	k **.52871**
Stddev	.0036	.0237	-----	.0118	.00856
%RSD	.21386	1.2831	-----	.17268	1.6194
#1	k 1.6806	k 1.8600	^ -----	6.8516	k .52266
#2	k 1.6756	k 1.8265	^ -----	6.8349	k .53477
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4316.6**	**62459.**	**4866.5**
Stddev	2.8	103.	12.6
%RSD	.06431	.16500	.25809
#1	4314.6	62386.	4875.4
#2	4318.6	62532.	4857.6

Sample Name: 280-19390-e-1-d msd Acquired: 8/25/2011 19:28:27 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82610 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.04879**	W **3.2818**	k **.93741**	**.93244**	k **1.8673**	k **.04786**	k **2.0449**	**284.63**	k **.11531**	k **.54459**
Stddev	.00117	.0107	.00060	.00261	.0022	.00001	.0030	.37	.00026	.00032
%RSD	2.3915	.32525	.06361	.28026	.11962	.02527	.14799	.13011	.22311	.05952
#1	k .04796	3.2743	k .93783	.93428	k 1.8657	k .04785	k 2.0471	284.37	k .11513	k .54482
#2	k .04961	3.2894	k .93699	.93059	k 1.8689	k .04787	k 2.0428	284.90	k .11550	k .54436
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00								
Low Limit		4.0000								

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.17373**	k **.54738**	k **124.99**	**55.045**	**.96693**	k **122.80**	F **25.402**	**.92300**	**85.081**	**.61803**
Stddev	.00002	.00034	.17	.134	.01150	.16	.124	.00299	.385	.00020
%RSD	.01390	.06152	.13908	.24296	1.1897	.12808	.48804	.32441	.45284	.03204
#1	k .17371	k .54762	k 125.11	54.950	.95879	k 122.91	25.490	.92512	84.808	.61817
#2	k .17375	k .54714	k 124.87	55.140	.97506	k 122.69	25.315	.92088	85.353	.61789
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							20.000			
Low Limit							-.02000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.8889**	k **.47613**	**406.79**	k **.45763**	k **1.8637**	k **23.491**	k **1.7694**	**2.9912**	k **1.0329**	k **.91668**
Stddev	.0034	.00212	.82	.00086	.0077	.061	.0004	.0059	.0000	.00022
%RSD	.03789	.44549	.20138	.18797	.41523	.26063	.02481	.19691	.00355	.02453
#1	8.8913	k .47463	407.37	k .45824	k 1.8692	k 23.448	k 1.7697	2.9871	k 1.0329	k .91652
#2	8.8865	k .47763	406.21	k .45702	k 1.8582	k 23.534	k 1.7691	2.9954	k 1.0329	k .91684
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **1.6735**	k **1.8490**	^ *****	**6.9153**	k **.52985**
Stddev	.0052	.0081	-----	.0077	.00250
%RSD	.30926	.43822	-----	.11204	.47111
#1	k 1.6699	k 1.8548	^ -----	6.9207	k .52809
#2	k 1.6772	k 1.8433	^ -----	6.9098	k .53162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4314.4**	**62354.**	**4881.5**
Stddev	4.4	52.	7.1
%RSD	.10100	.08268	.14506
#1	4311.3	62318.	4886.5
#2	4317.5	62391.	4876.5

Sample Name: 280-19355-a-29-b Acquired: 8/25/2011 19:30:56 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82611 TCLP 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00056	.00727	.00238	.01289	.13723	-.00031	.00370	417.97	-.00018	.00072
Stddev	.00015	.00330	.00056	.00040	.00088	.00007	.00214	.94	.00028	.00023
%RSD	27.056	45.379	23.684	3.0923	.64239	22.766	57.903	.22382	150.54	31.730
#1	-.00045	.00494	.00277	.01261	.13660	-.00037	.00522	417.30	-.00038	.00056
#2	-.00067	.00960	.00198	.01317	.13785	-.00026	.00219	418.63	.00001	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00352	.00227	.00699	2.1239	.03878	.02956	.00098	.02570	8.6040	.00014
Stddev	.00005	.00018	.00173	.0030	.00228	.00156	.00015	.00179	.0445	.00062
%RSD	1.5367	8.1070	24.801	.14179	5.8697	5.2825	15.807	6.9700	.51762	436.28
#1	.00348	.00214	.00821	2.1261	.03717	.02845	.00087	.02443	8.5725	-.00030
#2	.00356	.00240	.00576	2.1218	.04039	.03066	.00109	.02696	8.6355	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00077	-.00263	22.042	-.00013	.01571	.44466	.00171	.35681	-.00056	.00171
Stddev	.00392	.00003	.166	.00182	.00198	.01339	.00114	.00236	.00139	.00014
%RSD	508.98	1.0228	.75202	1394.0	12.588	3.0118	66.555	.66265	245.49	8.3755
#1	-.00200	-.00264	21.924	-.00142	.01431	.43519	.00091	.35513	-.00154	.00161
#2	.00354	-.00261	22.159	.00116	.01711	.45413	.00252	.35848	.00042	.00181
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00189	.02123	.00055	.00172	.00527
Stddev	.00046	.00785	.00011	.00060	.00078
%RSD	24.560	36.977	19.283	34.863	14.858
#1	.00156	.01568	.00047	.00130	.00582
#2	.00222	.02678	.00062	.00214	.00472
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3867.5	56306.	4327.0
Stddev	7.0	107.	6.4
%RSD	.18076	.19036	.14851
#1	3872.5	56381.	4331.6
#2	3862.6	56230.	4322.5

Sample Name: CCVH-940568 Acquired: 8/25/2011 19:33:40 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02276**	**49.902**	**-.00385**	**.00228**	**.00053**	**-.00018**	**.99499**	**.04159**	**-.00120**	**.00214**	**.00004**	**-.00261**	**50.914**
Stddev	.00065	.055	.00040	.00048	.00040	.00011	.00792	.00513	.00008	.00011	.00004	.00039	.052
%RSD	2.8553	.11041	10.510	20.899	75.633	63.230	.79639	12.328	6.4665	5.1696	94.092	15.048	.10293
#1	-.02322	49.863	-.00356	.00195	.00082	-.00010	.98938	.04521	-.00126	.00206	.00001	-.00289	50.877
#2	-.02230	49.941	-.00414	.00262	.00025	-.00026	1.0006	.03796	-.00115	.00222	.00006	-.00233	50.951
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20741**	**.00626**	**-.10424**	**.00075**	**-.00134**	**265.95**	**.00132**	**.00177**	**-.00082**	**5.0778**	**-.00825**	**.01219**	**.02389**
Stddev	.00746	.00354	.00045	.00004	.00021	.36	.00016	.00236	.00148	.0059	.00059	.00231	.02259
%RSD	3.5984	56.503	.42728	5.4542	15.628	.13537	12.209	133.44	180.41	.11538	7.1088	18.976	94.570
#1	.20213	.00877	-.10456	.00073	-.00119	265.70	.00121	.00010	.00023	5.0819	-.00867	.01383	.00792
#2	.21269	.00376	-.10393	.00078	-.00149	266.21	.00144	.00343	-.00187	5.0736	-.00784	.01055	.03987
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00181**	**.00046**	**4.9774**	**.00288**	**.00258**	**10.623**	**-.00950**	**.00424**	**.01943**
Stddev	.00050	.00005	.0066	.00015	.00050	.035	.00033	.00003	.00563
%RSD	27.884	11.887	.13309	5.3364	19.433	.32567	3.4368	.80541	28.985
#1	.00145	.00049	4.9821	.00278	.00293	10.599	-.00927	.00426	.01545
#2	.00216	.00042	4.9728	.00299	.00223	10.648	-.00973	.00421	.02341
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3937.2**	**56950.**	**4285.2**
Stddev	5.8	37.	17.5
%RSD	.14694	.06505	.40898
#1	3941.3	56923.	4297.6
#2	3933.1	56976.	4272.8

Sample Name: CCV-940591 Acquired: 8/25/2011 19:36:11 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53552**	**.51154**	**1.0281**	**.51766**	**.52156**	**.50770**	**.00576**	**4.9799**	**.51983**	**.50360**	**.50390**	**.52795**	**2.5386**
Stddev	.00131	.00602	.0009	.00111	.00240	.00185	.00638	.0223	.00084	.00089	.00126	.00096	.0071
%RSD	.24492	1.1766	.08495	.21468	.46030	.36522	110.83	.44692	.16123	.17696	.25012	.18198	.28097
#1	.53645	.50728	1.0287	.51687	.51986	.50639	.01027	4.9642	.51924	.50297	.50301	.52863	2.5335
#2	.53460	.51580	1.0275	.51845	.52325	.50901	.00125	4.9956	.52043	.50423	.50479	.52727	2.5436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.989**	**1.0253**	**21.013**	**.52607**	**.51388**	**5.4034**	**.50840**	**.98041**	**1.0370**	**.04514**	**1.0198**	**1.0225**	**5.0371**
Stddev	.248	.0018	.024	.00068	.00005	.0073	.00071	.00102	.0008	.00041	.0028	.0079	.0704
%RSD	.48724	.17960	.11337	.12872	.00961	.13517	.14020	.10361	.07244	.90902	.27882	.77347	1.3975
#1	50.814	1.0240	21.030	.52655	.51392	5.3982	.50790	.97969	1.0365	.04543	1.0178	1.0169	4.9874
#2	51.165	1.0266	20.996	.52560	.51385	5.4085	.50891	.98113	1.0376	.04485	1.0218	1.0281	5.0869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0209**	**.52476**	**-.00176**	**.50574**	**1.0228**	**.06403**	**.52829**	**.52683**	**.51735**
Stddev	.0040	.00202	.00015	.00127	.0019	.04066	.00021	.00082	.00058
%RSD	.39599	.38445	8.4670	.25153	.18883	63.495	.03940	.15523	.11260
#1	1.0181	.52334	-.00166	.50664	1.0214	.03528	.52844	.52625	.51694
#2	1.0238	.52619	-.00187	.50484	1.0242	.09278	.52815	.52741	.51777
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4022.0**	**58506.**	**4312.9**
Stddev	3.6	142.	9.4
%RSD	.08915	.24350	.21706
#1	4024.5	58405.	4319.5
#2	4019.5	58606.	4306.3

Sample Name: CCB Acquired: 8/25/2011 19:38:33 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00018**	**.00343**	W **.00192**	**-.00012**	**.00003**	**.00025**	**.00139**	**.00044**	**.00003**	**.00021**
Stddev	.00023	.00030	.00159	.00015	.00022	.00000	.00036	.00317	.00007	.00009	.00034
%RSD	105.70	166.54	46.475	7.5925	181.87	14.834	142.54	227.97	16.957	346.73	162.84
#1	.00038	.00039	.00230	.00181	.00003	.00003	.00050	-.00085	.00038	-.00004	-.00003
#2	.00006	-.00003	.00456	.00202	-.00027	.00003	.00000	.00363	.00049	.00009	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00006**	**.05463**	W **.00443**	**.00138**	**.00002**	**.00299**	**.06581**	**.00012**	**-.00193**	**.00061**
Stddev	.00001	.00027	.00631	.00210	.00252	.00003	.00059	.00661	.00002	.00218	.00018
%RSD	2.4548	441.92	11.547	47.414	182.03	194.75	19.694	10.046	19.506	112.87	28.540
#1	.00046	.00026	.05017	.00294	.00316	-.00001	.00257	.06114	.00011	-.00347	.00074
#2	.00047	-.00013	.05909	.00591	-.00040	.00004	.00340	.07048	.00014	-.00039	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03550**	F **.00643**	**.00449**	**.00203**	**.00029**	**.00018**	**-.00106**	**.00033**	**.00087**	**.03725**	**-.00014**
Stddev	.00504	.00129	.00249	.00059	.00082	.00005	.00200	.00040	.00051	.01205	.00041
%RSD	14.211	20.093	55.520	29.229	286.17	28.112	189.08	119.48	59.254	32.351	288.76
#1	.03907	.00734	.00273	.00161	-.00029	.00022	.00036	.00005	.00123	.04577	-.00043
#2	.03193	.00552	.00625	.00245	.00086	.00015	-.00247	.00062	.00050	.02873	.00015
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00171**	W **.00286**
Stddev	.00006	.00130
%RSD	3.4781	45.672
#1	.00167	.00193
#2	.00175	.00378
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4055.1**	**59949.**	**4291.8**
Stddev	4.9	25.	7.8
%RSD	.11995	.04219	.18160
#1	4051.7	59931.	4286.3
#2	4058.6	59967.	4297.3

Sample Name: CCVL942742 Acquired: 8/25/2011 19:41:09 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01119**	**.10340**	**.01556**	**.10347**	**.01022**	**.00093**	F **.13010**	**.20805**	**.00568**	**.01051**	**.01034**
Stddev	.00068	.00123	.00289	.00046	.00033	.00007	.00070	.00264	.00000	.00005	.00032
%RSD	6.0979	1.1850	18.558	.44194	3.2293	7.6648	.53781	1.2666	.07729	.49864	3.1401
#1	.01071	.10426	.01352	.10315	.00999	.00098	.12960	.20618	.00567	.01055	.01011
#2	.01168	.10253	.01761	.10380	.01046	.00088	.13059	.20991	.00568	.01047	.01057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01651**	**.10303**	**3.1363**	F **.01578**	**.22231**	**.01102**	**.02022**	**1.1441**	**.04216**	**2.8478**	W **.01086**
Stddev	.00028	.00177	.0311	.00139	.00098	.00003	.00063	.0143	.00015	.0042	.00064
%RSD	1.7044	1.7139	.99125	8.8308	.43859	.23389	3.1299	1.2530	.34802	.14745	5.8471
#1	.01671	.10428	3.1143	.01480	.22162	.01104	.01977	1.1340	.04206	2.8508	.01131
#2	.01631	.10178	3.1583	.01677	.22300	.01100	.02067	1.1543	.04227	2.8448	.01041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
Value				.01000							.00900
Range				30.000%							20.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02371**	**.00993**	**.01653**	**.49103**	**.10204**	**.01092**	**.01369**	**.01009**	**.01794**	**.06900**	**.01068**
Stddev	.00114	.00085	.00097	.00074	.00085	.00016	.00005	.00010	.00140	.01347	.00003
%RSD	4.8272	8.5793	5.8938	.15081	.83177	1.4217	.37522	.97819	7.7790	19.515	.27860
#1	.02452	.00933	.01721	.49155	.10264	.01103	.01372	.01002	.01695	.05948	.01070
#2	.02290	.01054	.01584	.49050	.10144	.01081	.01365	.01016	.01893	.07853	.01066
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02338**	**.01781**
Stddev	.00026	.00108
%RSD	1.1140	6.0645
#1	.02356	.01704
#2	.02319	.01857
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4130.4**	**60941.**	**4378.5**
Stddev	4.9	21.	.6
%RSD	.11750	.03372	.01423
#1	4127.0	60955.	4378.1
#2	4133.9	60926.	4379.0

Sample Name: mb 280-82837/1-a Acquired: 8/25/2011 19:43:42 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82837 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00013	.00078	.00026	.00102	-.00015	.00001	-.00068	.00355	.00013	-.00003
Stddev	.00034	.00060	.00218	.00002	.00036	.00007	.00247	.00058	.00016	.00004
%RSD	259.46	76.100	855.81	1.5994	246.77	986.97	362.72	16.418	128.78	144.11
#1	.00037	.00036	.00180	.00103	-.00040	.00005	.00107	.00396	.00001	.00000
#2	-.00011	.00120	-.00129	.00100	.00011	-.00004	-.00243	.00313	.00024	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	.00033	.00149	.02278	.00401	-.00087	.00016	-.00004	.02968	-.00023
Stddev	.00011	.00020	.00066	.02449	.00127	.00024	.00002	.00028	.00139	.00023
%RSD	263.19	59.790	44.518	107.54	31.758	27.781	14.869	716.61	4.6878	100.39
#1	.00012	.00047	.00196	.04010	.00311	-.00070	.00014	.00016	.02870	-.00040
#2	-.00004	.00019	.00102	.00546	.00491	-.00104	.00017	-.00023	.03067	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00038	-.00088	.02543	.00100	.00132	-.00613	-.00015	.00010	-.00341	.00053
Stddev	.00152	.00073	.00083	.00100	.00500	.01898	.00041	.00004	.00112	.00015
%RSD	403.27	83.443	3.2514	99.882	377.72	309.81	278.39	41.681	32.783	28.698
#1	.00145	-.00140	.02601	.00030	-.00221	-.01955	-.00044	.00007	-.00420	.00042
#2	-.00070	-.00036	.02485	.00171	.00486	.00730	.00014	.00013	-.00262	.00064
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00280	.03466	-.00009	.00140	.00350
Stddev	.00058	.01150	.00024	.00050	.00179
%RSD	20.831	33.171	278.13	36.001	51.003
#1	.00239	.04279	-.00026	.00104	.00224
#2	.00321	.02653	.00008	.00176	.00476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4124.8	61215.	4399.8
Stddev	2.8	103.	1.5
%RSD	.06760	.16768	.03364
#1	4126.8	61288.	4400.9
#2	4122.8	61143.	4398.8

Sample Name: lcs 280-82837/2-a Acquired: 8/25/2011 19:46:18 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82837 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05091**	**1.9085**	**1.0495**	**.96798**	**2.1013**	**.05106**	F **2.3844**	**49.476**	**.10850**	**.49828**
Stddev	.00011	.0147	.0054	.00213	.0098	.00028	.0105	.277	.00059	.00211
%RSD	.22391	.76743	.51850	.22041	.46692	.54404	.44211	.55903	.54395	.42265
#1	.05099	1.9189	1.0457	.96647	2.1083	.05126	2.3770	49.672	.10808	.49679
#2	.05083	1.8982	1.0534	.96949	2.0944	.05086	2.3919	49.281	.10891	.49977
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20328**	**.26430**	**1.0057**	**51.963**	**1.0337**	**52.402**	**.52334**	**.98976**	**53.986**	**.49928**
Stddev	.00068	.00071	.0062	.254	.0101	.056	.00037	.00176	.297	.00187
%RSD	.33377	.26710	.61980	.48955	.97884	.10660	.07146	.17809	.55011	.37541
#1	.20280	.26480	1.0101	52.143	1.0409	52.441	.52360	.98851	54.196	.49795
#2	.20376	.26380	1.0013	51.783	1.0266	52.362	.52307	.99100	53.776	.50060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.104**	**.51140**	**.02112**	**.49516**	**2.1024**	F **9.3835**	**1.9348**	**1.0608**	**1.0161**	**.98431**
Stddev	.007	.00065	.00347	.00067	.0023	.0130	.0072	.0046	.0009	.00004
%RSD	.06558	.12640	16.434	.13557	.11093	.13849	.37325	.43016	.08789	.00380
#1	10.099	.51186	.01867	.49564	2.1008	9.3743	1.9297	1.0641	1.0155	.98434
#2	10.109	.51094	.02358	.49469	2.1041	9.3927	1.9400	1.0576	1.0167	.98429
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						11.500				
Low Limit						9.4000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0369**	**2.2363**	**.53473**	**.52458**	**.50362**
Stddev	.0051	.0346	.00020	.00106	.00440
%RSD	.25036	1.5455	.03728	.20292	.87386
#1	2.0333	2.2608	.53487	.52533	.50674
#2	2.0405	2.2119	.53458	.52382	.50051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3966.2**	**57531.**	**4337.1**
Stddev	2.8	51.	21.0
%RSD	.06973	.08806	.48468
#1	3968.1	57495.	4322.2
#2	3964.2	57567.	4352.0

Sample Name: 280-19455-c-1-a Acquired: 8/25/2011 19:48:38 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82837 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00007	.00012	.00186	.02983	.00733	-.00005	.00571	42.337	.00039	-.00018
Stddev	.00050	.00089	.00129	.00051	.00041	.00004	.00273	.059	.00010	.00013
%RSD	718.50	763.72	69.576	1.7260	5.5851	66.588	47.862	.14000	25.244	68.574
#1	.00042	-.00052	.00095	.03020	.00762	-.00008	.00764	42.295	.00032	-.00027
#2	-.00028	.00075	.00278	.02947	.00704	-.00003	.00378	42.379	.00046	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00245	.00150	.00016	7.0734	.01089	22.565	.00004	.00813	19.075	.00036
Stddev	.00005	.00026	.00132	.0215	.00069	.065	.00004	.00129	.062	.00020
%RSD	1.8543	17.207	839.64	.30389	6.3163	.28980	93.763	15.843	.32421	55.010
#1	.00242	.00168	-.00078	7.0886	.01040	22.611	.00001	.00722	19.119	.00022
#2	.00248	.00131	.00109	7.0582	.01137	22.518	.00007	.00904	19.031	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03840	.00039	6.9515	-.00154	.01076	25.271	.00086	.23222	-.00181	.00023
Stddev	.00093	.00054	.0080	.00052	.00131	.011	.00104	.00020	.00120	.00001
%RSD	2.4142	140.50	.11504	33.380	12.178	.04154	121.28	.08456	66.109	3.2500
#1	.03774	.00077	6.9572	-.00118	.00983	25.264	.00012	.23208	-.00265	.00023
#2	.03905	.00000	6.9459	-.00191	.01168	25.279	.00159	.23235	-.00096	.00024
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00294	.04924	.03602	.00178	.00349
Stddev	.00135	.00332	.00026	.00020	.00123
%RSD	45.916	6.7434	.72815	11.269	35.243
#1	.00198	.05159	.03620	.00192	.00436
#2	.00389	.04689	.03583	.00163	.00262
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4044.6	59049.	4391.1
Stddev	3.2	287.	16.7
%RSD	.07878	.48673	.38004
#1	4042.4	58846.	4379.3
#2	4046.9	59252.	4402.9

Sample Name: 280-19455-c-1-aSD@5 Acquired: 8/25/2011 19:51:11 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82837 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00034	-.00161	-.00030	.00744	.00121	-.00004	.00176	8.7667	.00013	-.00030
Stddev	.00070	.00001	.00144	.00009	.00015	.00006	.00215	.0106	.00007	.00005
%RSD	205.72	.71476	483.04	1.2139	12.514	161.07	121.94	.12091	57.081	16.298
#1	.00083	-.00161	.00072	.00738	.00110	.00001	.00024	8.7592	.00008	-.00033
#2	-.00015	-.00160	-.00132	.00750	.00132	-.00008	.00328	8.7742	.00018	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00042	.00060	-.00316	1.5041	.00297	4.6955	.00021	.00096	3.8408	-.00008
Stddev	.00021	.00021	.00087	.0125	.00134	.0033	.00001	.00024	.0144	.00004
%RSD	49.219	34.285	27.666	.83027	45.198	.06969	3.2312	24.711	.37490	50.822
#1	.00057	.00075	-.00378	1.5130	.00391	4.6932	.00021	.00112	3.8307	-.00011
#2	.00027	.00046	-.00254	1.4953	.00202	4.6978	.00022	.00079	3.8510	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00391	-.00104	1.4141	-.00051	-.00002	5.2118	-.00015	.04795	-.00159	.00021
Stddev	.00303	.00290	.0098	.00071	.00302	.0223	.00032	.00017	.00037	.00001
%RSD	77.452	278.70	.69262	140.70	17641.	.42805	210.88	.35653	23.001	7.1131
#1	.00605	.00101	1.4211	.00000	.00212	5.1960	.00007	.04808	-.00133	.00020
#2	.00177	-.00309	1.4072	-.00101	-.00215	5.2275	-.00038	.04783	-.00185	.00022
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00196	.02466	.00671	.00288	.00549
Stddev	.00061	.00869	.00069	.00029	.00165
%RSD	31.267	35.257	10.322	10.071	30.112
#1	.00153	.03080	.00622	.00308	.00665
#2	.00240	.01851	.00720	.00267	.00432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4082.8	59974.	4357.9
Stddev	1.8	51.	9.9
%RSD	.04421	.08574	.22713
#1	4081.5	59937.	4364.9
#2	4084.1	60010.	4350.9

Sample Name: 280-19455-c-1-b ms Acquired: 8/25/2011 19:53:46 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82837 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05031**	**1.8375**	**1.0406**	**1.0131**	**2.0905**	**.05075**	**2.3449**	**91.460**	**.10748**	**.48504**
Stddev	.00034	.0259	.0054	.0022	.0043	.00027	.0067	.244	.00047	.00169
%RSD	.67474	1.4072	.51634	.21742	.20736	.54033	.28387	.26640	.43275	.34910
#1	.05055	1.8557	1.0444	1.0147	2.0874	.05056	2.3496	91.288	.10781	.48624
#2	.05007	1.8192	1.0368	1.0116	2.0936	.05095	2.3402	91.632	.10715	.48385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20095**	**.26155**	**.99110**	**58.856**	**1.0311**	**73.618**	**.51411**	**1.0119**	**72.534**	**.48706**
Stddev	.00036	.00074	.00607	.060	.0027	.137	.00108	.0046	.043	.00120
%RSD	.18035	.28139	.61198	.10232	.26341	.18613	.21011	.45272	.05898	.24732
#1	.20120	.26103	.99539	58.813	1.0330	73.521	.51335	1.0151	72.503	.48791
#2	.20069	.26208	.98681	58.898	1.0292	73.715	.51488	1.0086	72.564	.48621
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9301**	**.50221**	**7.0776**	**.50549**	**2.0647**	**34.876**	**1.9698**	**1.2855**	**1.0049**	**1.0071**
Stddev	.0424	.00242	.0198	.00056	.0041	.109	.0077	.0024	.0008	.0014
%RSD	.42701	.48225	.27998	.11061	.19667	.31274	.38985	.19001	.07941	.13641
#1	9.9601	.50050	7.0916	.50588	2.0676	34.799	1.9753	1.2838	1.0054	1.0061
#2	9.9001	.50392	7.0636	.50509	2.0618	34.953	1.9644	1.2873	1.0043	1.0080
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9666**	**2.2264**	**.56136**	**.51380**	**.51961**
Stddev	.0034	.0172	.00014	.00086	.00415
%RSD	.17193	.77145	.02577	.16643	.79956
#1	1.9690	2.2142	.56126	.51440	.51667
#2	1.9642	2.2385	.56146	.51319	.52254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3953.4**	**57329.**	**4380.5**
Stddev	13.5	82.	.6
%RSD	.34155	.14355	.01481
#1	3943.8	57387.	4380.9
#2	3962.9	57271.	4380.0

Sample Name: 280-19455-c-1-c msd Acquired: 8/25/2011 19:56:06 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82837 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05062**	**1.8793**	**1.0717**	**1.0370**	**2.1328**	**.05177**	**2.3996**	**93.004**	**.11011**	**.49569**
Stddev	.00032	.0060	.0022	.0021	.0045	.00002	.0040	.232	.00024	.00140
%RSD	.63698	.31647	.20391	.20496	.21278	.03309	.16729	.24896	.21435	.28287
#1	.05085	1.8835	1.0733	1.0355	2.1296	.05176	2.3968	92.841	.10994	.49470
#2	.05039	1.8751	1.0702	1.0385	2.1360	.05178	2.4024	93.168	.11028	.49668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20544**	**.26578**	**1.0214**	**60.200**	**1.0596**	**74.637**	**.52320**	**1.0363**	**73.871**	**.49818**
Stddev	.00022	.00100	.0077	.330	.0041	.415	.00195	.0022	.345	.00137
%RSD	.10863	.37626	.75454	.54851	.38291	.55619	.37314	.21284	.46743	.27596
#1	.20528	.26649	1.0160	59.966	1.0567	74.931	.52458	1.0348	73.627	.49721
#2	.20559	.26507	1.0269	60.433	1.0624	74.344	.52182	1.0379	74.115	.49916
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.203**	**.51562**	**7.2110**	**.51572**	**2.1287**	**35.522**	**2.0088**	**1.3094**	**1.0236**	**1.0183**
Stddev	.017	.00027	.0021	.00413	.0009	.038	.0063	.0038	.0087	.0043
%RSD	.16451	.05261	.02936	.80026	.04423	.10592	.31169	.29137	.84593	.42253
#1	10.191	.51543	7.2095	.51280	2.1280	35.496	2.0044	1.3067	1.0297	1.0214
#2	10.214	.51581	7.2125	.51863	2.1293	35.549	2.0133	1.3121	1.0175	1.0153
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0061**	**2.2443**	**.56871**	**.52194**	**.52749**
Stddev	.0025	.0084	.00314	.00181	.00798
%RSD	.12633	.37429	.55129	.34640	1.5121
#1	2.0044	2.2384	.57092	.52322	.52185
#2	2.0079	2.2503	.56649	.52066	.53313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3960.6**	**57754.**	**4358.5**
Stddev	7.2	346.	8.4
%RSD	.18053	.59831	.19230
#1	3965.7	57510.	4364.4
#2	3955.6	57999.	4352.5

Sample Name: 280-19455-b-2-a Acquired: 8/25/2011 19:58:23 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82837 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00064	.00123	.00478	.02772	.01493	-.00012	.00502	42.349	.00037	-.00035
Stddev	.00030	.00203	.00229	.00069	.00046	.00001	.00129	.180	.00003	.00064
%RSD	46.156	165.22	47.932	2.4797	3.0750	11.088	25.785	.42508	7.2861	181.84
#1	.00086	-.00021	.00316	.02821	.01526	-.00011	.00593	42.476	.00038	-.00081
#2	.00043	.00266	.00640	.02723	.01461	-.00013	.00410	42.222	.00035	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00486	.00127	.00904	6.9941	.01370	23.297	.00010	.00975	20.211	-.00013
Stddev	.00031	.00015	.00215	.0730	.00103	.083	.00000	.00173	.196	.00019
%RSD	6.2878	11.475	23.774	1.0430	7.5526	.35785	2.5862	17.793	.97033	148.25
#1	.00508	.00117	.00752	7.0457	.01443	23.356	.00010	.00852	20.072	-.00026
#2	.00464	.00138	.01056	6.9425	.01296	23.238	.00010	.01097	20.350	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03167	.00064	8.3290	-.00123	.01268	27.009	.00082	.15502	-.00081	.00019
Stddev	.00498	.00128	.1198	.00041	.00085	.149	.00111	.00074	.00171	.00014
%RSD	15.731	200.59	1.4382	33.287	6.7010	.55328	135.16	.47831	211.69	75.960
#1	.02815	-.00027	8.4137	-.00152	.01208	27.115	.00004	.15554	.00040	.00028
#2	.03519	.00155	8.2443	-.00094	.01328	26.904	.00161	.15449	-.00202	.00009
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00214	.02538	.03239	.00150	.00203
Stddev	.00198	.00826	.00012	.00028	.00033
%RSD	92.802	32.542	.36200	18.540	16.444
#1	.00073	.03122	.03247	.00170	.00227
#2	.00354	.01954	.03231	.00131	.00180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4099.5	60120.	4436.0
Stddev	23.6	199.	16.2
%RSD	.57512	.33178	.36498
#1	4082.8	59979.	4424.6
#2	4116.1	60261.	4447.5

Sample Name: CCVH-940568 Acquired: 8/25/2011 20:00:56 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02271**	**49.816**	**-.00567**	**.00305**	**.00029**	**-.00017**	**.99999**	**.03282**	**-.00110**	**.00177**	**.00011**	**-.00220**	**50.615**
Stddev	.00026	.031	.00416	.00058	.00005	.00005	.00270	.00090	.00008	.00001	.00018	.00018	.233
%RSD	1.1287	.06149	73.414	19.013	15.736	31.101	.27023	2.7437	7.6768	.71485	169.77	8.3577	.46094
#1	-.02289	49.838	-.00862	.00346	.00026	-.00020	.99808	.03346	-.00116	.00176	.00023	-.00207	50.780
#2	-.02252	49.795	-.00273	.00264	.00032	-.00013	1.0019	.03218	-.00104	.00178	-.00002	-.00233	50.450
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23372**	**.00390**	**-.10081**	**.00144**	**-.00130**	**264.72**	**.00092**	**.00008**	**-.00265**	**5.0344**	**-.00997**	**.01241**	**.04117**
Stddev	.04099	.00401	.00064	.00012	.00013	.47	.00017	.00307	.00044	.0091	.00163	.00100	.00816
%RSD	17.537	102.73	.63413	8.0226	10.322	.17795	18.653	3864.4	16.657	.18029	16.398	8.0978	19.820
#1	.20473	.00107	-.10126	.00152	-.00139	265.05	.00104	.00225	-.00296	5.0408	-.01113	.01312	.03540
#2	.26270	.00673	-.10036	.00135	-.00120	264.39	.00080	-.00209	-.00234	5.0280	-.00881	.01170	.04694
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00057**	**4.9718**	**.00263**	**.00424**	**10.603**	**-.00953**	**.00520**	**.01947**
Stddev	.00062	.00021	.0151	.00032	.00179	.033	.00010	.00045	.00029
%RSD	74.350	36.019	.30430	11.996	42.230	.30824	1.0843	8.7300	1.4673
#1	.00128	.00072	4.9825	.00285	.00297	10.626	-.00960	.00488	.01927
#2	.00040	.00042	4.9611	.00241	.00550	10.580	-.00946	.00552	.01967
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3967.6**	**57483.**	**4349.7**
Stddev	4.0	61.	13.3
%RSD	.09970	.10660	.30653
#1	3964.8	57440.	4359.1
#2	3970.4	57527.	4340.3

Sample Name: CCV-940591 Acquired: 8/25/2011 20:03:28 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53560**	**.51447**	**1.0299**	**.51546**	**.52190**	**.50466**	**.00419**	**4.9750**	**.51934**	**.50869**	**.50791**	**.52579**	**2.5087**	**50.863**
Stddev	.00287	.00615	.0012	.00034	.00043	.00031	.00341	.0053	.00020	.00035	.00050	.00047	.0001	.021
%RSD	.53596	1.1945	.11768	.06685	.08238	.06141	81.343	.10543	.03773	.06942	.09814	.08991	.00267	.04182
#1	.53357	.51013	1.0308	.51571	.52220	.50444	.00178	4.9787	.51920	.50894	.50756	.52545	2.5087	50.848
#2	.53763	.51882	1.0291	.51522	.52159	.50488	.00660	4.9713	.51947	.50844	.50826	.52612	2.5086	50.878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0207**	**20.870**	**.52134**	**.51321**	**5.3666**	**.51022**	**.98498**	**1.0357**	**.01439**	**1.0152**	**1.0294**	**5.0174**	**1.0191**	**.52404**
Stddev	.0029	.000	.00028	.00044	.0098	.00035	.00132	.0016	.00058	.0037	.0023	.0288	.0010	.00035
%RSD	.28386	.00124	.05439	.08510	.18252	.06802	.13406	.15723	4.0240	.36638	.22414	.57372	.09753	.06719
#1	1.0228	20.870	.52155	.51352	5.3735	.50998	.98405	1.0345	.01398	1.0125	1.0311	4.9970	1.0198	.52379
#2	1.0187	20.870	.52114	.51290	5.3597	.51047	.98591	1.0369	.01480	1.0178	1.0278	5.0377	1.0184	.52429
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**.50428**	**1.0321**	**.03013**	**.52449**	**.52073**	**.51107**
Stddev	.00114	.00061	.0042	.01947	.00050	.00074	.00273
%RSD	97.063	.12170	.40781	64.612	.09575	.14245	.53459
#1	.00037	.50471	1.0351	.04389	.52413	.52021	.51300
#2	.00198	.50384	1.0291	.01636	.52484	.52126	.50914
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4040.4**	**59320.**	**4391.4**
Stddev	11.5	207.	1.3
%RSD	.28446	.34951	.02935
#1	4048.6	59174.	4392.4
#2	4032.3	59467.	4390.5

Sample Name: CCB Acquired: 8/25/2011 20:05:50 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**-.00045**	**.00066**	W **.00258**	**-.00010**	**-.00003**	**-.00135**	**.00092**	**.00030**	**.00003**	**.00010**
Stddev	.00060	.00159	.00310	.00010	.00016	.00003	.00140	.00084	.00029	.00001	.00020
%RSD	173.21	352.47	468.25	3.7326	153.55	86.239	103.79	91.468	95.515	41.837	190.88
#1	.00077	-.00158	-.00153	.00265	-.00021	-.00001	-.00234	.00151	.00010	.00003	-.00004
#2	-.00008	.00067	.00286	.00251	.00001	-.00005	-.00036	.00032	.00050	.00002	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**-.00085**	**.08940**	W **.00321**	**-.00021**	**.00004**	**.00286**	**.05791**	**.00024**	**-.00219**	**-.00176**
Stddev	.00011	.00212	.00814	.00217	.00462	.00010	.00084	.01102	.00000	.00017	.00074
%RSD	17.102	248.95	9.1078	67.627	2167.8	273.76	29.464	19.033	1.3794	7.7631	42.126
#1	.00074	.00065	.09516	.00168	.00305	-.00003	.00226	.05012	.00024	-.00207	-.00228
#2	.00058	-.00235	.08364	.00475	-.00348	.00011	.00345	.06571	.00024	-.00231	-.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01450**	W **.00600**	W **.00517**	**.02460**	**.00009**	**.00008**	**-.00218**	**.00041**	**.00038**	**.03318**	**.00032**
Stddev	.00040	.00181	.00314	.00939	.00007	.00017	.00006	.00025	.00191	.00779	.00005
%RSD	2.7875	30.110	60.773	38.182	75.609	218.24	2.8252	60.816	507.72	23.464	15.144
#1	.01422	.00472	.00739	.03124	.00013	.00020	-.00214	.00059	-.00097	.02768	.00028
#2	.01479	.00728	.00295	.01796	.00004	-.00004	-.00223	.00023	.00173	.03869	.00035
Check ?	None	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314	.00486								
Low Limit		-.00314	-.00486								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00196**	F **.00500**
Stddev	.00079	.00001
%RSD	40.281	.13803
#1	.00140	.00501
#2	.00252	.00500
Check ?	Chk Pass	Chk Fail
High Limit		.00476
Low Limit		-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4020.0**	**59492.**	**4291.8**
Stddev	5.2	197.	24.8
%RSD	.12851	.33107	.57734
#1	4016.3	59352.	4309.3
#2	4023.6	59631.	4274.2

Sample Name: CCVL942742 Acquired: 8/25/2011 20:08:24 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01112**	**.10621**	**.01585**	**.10377**	**.01052**	**.00104**	F **.13105**	**.20686**	**.00566**	**.01070**	**.01027**
Stddev	.00017	.00160	.00125	.00028	.00012	.00001	.00021	.00278	.00011	.00013	.00041
%RSD	1.5709	1.5109	7.8597	.27437	1.1668	.93926	.16219	1.3456	1.8855	1.1765	4.0262
#1	.01100	.10734	.01497	.10397	.01043	.00105	.13120	.20490	.00573	.01079	.01056
#2	.01124	.10507	.01673	.10357	.01060	.00103	.13090	.20883	.00558	.01061	.00998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01683**	**.09793**	**3.1664**	F **.01426**	**.22464**	**.01101**	**.02044**	**1.1366**	**.04296**	**2.8922**	**.00811**
Stddev	.00002	.00232	.0088	.00052	.00147	.00008	.00066	.0078	.00017	.0289	.00236
%RSD	.10943	2.3694	.27769	3.6609	.65587	.75641	3.2270	.68803	.40696	.99925	29.110
#1	.01684	.09629	3.1602	.01389	.22569	.01095	.02091	1.1422	.04308	2.9127	.00644
#2	.01682	.09957	3.1726	.01462	.22360	.01106	.01997	1.1311	.04283	2.8718	.00978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00720**	**.00976**	**.01423**	**.46552**	**.10392**	**.01069**	W **.01166**	**.01046**	W **.01817**	F **.08238**	**.00987**
Stddev	.00179	.00029	.00135	.01151	.00117	.00000	.00011	.00034	.00068	.01711	.00039
%RSD	24.853	3.0174	9.4751	2.4728	1.1289	.03947	.96989	3.2109	3.7270	20.774	3.9920
#1	.00846	.00955	.01518	.45738	.10475	.01069	.01158	.01022	.01769	.09449	.00960
#2	.00593	.00996	.01327	.47366	.10309	.01070	.01174	.01070	.01865	.07028	.01015
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Fail	Chk Pass
Value							.01500		.01500	.06000	
Range							-20.000%		20.000%	30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02344**	F **.01954**
Stddev	.00004	.00159
%RSD	.17212	8.1304
#1	.02341	.01842
#2	.02346	.02066
Check ?	Chk Pass	Chk Fail
Value		.01500
Range		30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4093.8**	**60843.**	**4364.6**
Stddev	12.7	280.	4.4
%RSD	.30969	.45996	.09981
#1	4084.9	61041.	4361.5
#2	4102.8	60645.	4367.6

Sample Name: 280-19457-c-1-a Acquired: 8/25/2011 20:10:57 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82837 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00036	-.00028	.00153	.02609	.00813	.00001	.00260	33.236	.00051	-.00056
Stddev	.00002	.00007	.00217	.00011	.00017	.00014	.00146	.154	.00000	.00019
%RSD	6.8098	25.608	141.59	.43033	2.1319	1219.3	56.107	.46401	.21523	34.497
#1	.00034	-.00023	.00306	.02617	.00801	-.00008	.00157	33.345	.00051	-.00070
#2	.00038	-.00033	.00000	.02601	.00825	.00011	.00364	33.127	.00052	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00496	.00181	.00201	5.6928	.01403	17.436	.00020	.00578	22.678	.00006
Stddev	.00002	.00032	.00429	.0246	.00139	.005	.00002	.00037	.182	.00017
%RSD	.31960	17.638	214.11	.43237	9.9119	.03130	12.066	6.4765	.80171	275.28
#1	.00497	.00203	-.00103	5.7102	.01305	17.432	.00018	.00552	22.807	.00018
#2	.00494	.00158	.00504	5.6754	.01502	17.440	.00022	.00605	22.549	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10410	-.00012	6.3222	.00134	.00086	26.117	-.00036	.18933	-.00141	-.00032
Stddev	.00135	.00052	.0220	.00204	.00078	.019	.00029	.00085	.00034	.00041
%RSD	1.2943	437.29	.34733	152.83	91.319	.07449	80.524	.44646	24.337	130.11
#1	.10315	.00025	6.3067	-.00011	.00030	26.131	-.00056	.18993	-.00117	-.00061
#2	.10505	-.00048	6.3378	.00278	.00141	26.104	-.00015	.18874	-.00165	-.00003
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00153	.04049	.03943	.00190	.00228
Stddev	.00164	.01391	.00030	.00025	.00022
%RSD	107.37	34.354	.74831	13.296	9.5785
#1	.00268	.03065	.03922	.00172	.00212
#2	.00037	.05032	.03964	.00208	.00243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4040.8	59293.	4357.0
Stddev	9.3	50.	11.7
%RSD	.22900	.08481	.26957
#1	4047.3	59258.	4365.3
#2	4034.3	59329.	4348.7

Sample Name: 280-19457-c-2-a Acquired: 8/25/2011 20:13:30 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82837 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**-.00117**	**-.00042**	**.02741**	**.00849**	**-.00010**	**.00429**	**49.063**	**.00033**	**-.00026**
Stddev	.00013	.00262	.00104	.00007	.00004	.00004	.00206	.037	.00016	.00011
%RSD	80.238	223.10	245.91	.26816	.48980	40.056	47.965	.07535	49.763	43.632
#1	-.00025	-.00303	-.00116	.02736	.00846	-.00007	.00575	49.090	.00045	-.00018
#2	-.00007	.00068	.00031	.02746	.00851	-.00013	.00284	49.037	.00021	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00416**	**.00221**	**.00737**	**6.8451**	**.01207**	**24.867**	**.00023**	**.00267**	**20.738**	**-.00025**
Stddev	.00003	.00018	.00206	.0123	.00127	.061	.00006	.00040	.356	.00005
%RSD	.83594	8.2471	27.887	.18034	10.487	.24456	26.070	15.025	1.7143	22.074
#1	.00419	.00234	.00883	6.8363	.01296	24.910	.00027	.00239	20.487	-.00029
#2	.00414	.00208	.00592	6.8538	.01117	24.824	.00018	.00296	20.990	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03502**	**.00135**	**7.2719**	**-.00053**	**-.00146**	**24.155**	**-.00173**	**.30435**	**-.00094**	**-.00012**
Stddev	.00289	.00062	.0050	.00000	.00137	.052	.00018	.00097	.00043	.00006
%RSD	8.2469	46.016	.06829	.05090	93.617	.21658	10.258	.31904	46.223	48.487
#1	.03706	.00091	7.2754	-.00053	-.00049	24.118	-.00161	.30504	-.00124	-.00008
#2	.03298	.00178	7.2684	-.00053	-.00242	24.192	-.00186	.30367	-.00063	-.00016
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00209**	**.05260**	**.02919**	**.00265**	**.00427**
Stddev	.00027	.00693	.00003	.00005	.00323
%RSD	12.747	13.173	.09270	1.7636	75.694
#1	.00190	.04770	.02917	.00262	.00198
#2	.00228	.05750	.02921	.00269	.00656
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4023.9**	**59000.**	**4364.2**
Stddev	.6	110.	11.1
%RSD	.01520	.18685	.25523
#1	4024.4	58922.	4356.3
#2	4023.5	59078.	4372.1

Sample Name: 280-19457-c-3-a Acquired: 8/25/2011 20:16:04 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82837 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00424**	**-.00169**	**.00116**	**-.00015**	**-.00003**	**.00037**	**.05064**	**.00026**	**-.00003**
Stddev	.00030	.00134	.00178	.00007	.00005	.00007	.00006	.00080	.00023	.00008
%RSD	638.31	31.690	105.35	5.8186	34.003	197.72	16.207	1.5820	89.136	254.43
#1	-.00026	.00519	-.00294	.00111	-.00011	-.00008	.00041	.05121	.00042	.00003
#2	.00016	.00329	-.00043	.00121	-.00018	.00001	.00033	.05007	.00009	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00118**	**.00521**	**.06077**	**-.00098**	**.00899**	**.00017**	**-.00035**	**.14475**	**-.00009**
Stddev	.00002	.00042	.00300	.02852	.00129	.00025	.00004	.00015	.00197	.00012
%RSD	16.557	35.297	57.609	46.926	130.79	2.8306	21.477	44.048	1.3577	124.39
#1	-.00014	.00088	.00733	.08093	-.00189	.00881	.00019	-.00046	.14614	-.00001
#2	-.00011	.00147	.00309	.04060	-.00007	.00917	.00014	-.00024	.14336	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**-.00085**	**.02054**	**-.00108**	**.00303**	**.00918**	**-.00026**	**.00035**	**-.00247**	**.00023**
Stddev	.00211	.00261	.00141	.00013	.00330	.02388	.00041	.00003	.00358	.00036
%RSD	310.90	308.65	6.8630	11.718	108.68	260.14	156.61	9.2194	145.21	159.01
#1	.00081	.00100	.01955	-.00117	.00536	-.00771	.00003	.00033	.00007	-.00003
#2	-.00217	-.00270	.02154	-.00099	.00070	.02606	-.00055	.00037	-.00500	.00048
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**.03272**	**-.00002**	**.00290**	**.00551**
Stddev	.00099	.00745	.00005	.00022	.00157
%RSD	64.105	22.763	246.29	7.4784	28.408
#1	.00225	.03799	.00002	.00306	.00662
#2	.00084	.02745	-.00006	.00275	.00440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4130.8**	**61470.**	**4381.4**
Stddev	3.0	183.	4.8
%RSD	.07361	.29717	.10921
#1	4132.9	61341.	4378.0
#2	4128.6	61599.	4384.7

Sample Name: 280-19457-c-4-a Acquired: 8/25/2011 20:18:41 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82837 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00013	.00346	.00013	.01863	.01534	-.00006	.00348	29.155	.00049	-.00039
Stddev	.00052	.00151	.00033	.00052	.00045	.00009	.00115	.090	.00026	.00025
%RSD	386.95	43.698	247.07	2.7903	2.9603	150.40	33.108	.31032	53.296	62.296
#1	-.00023	.00453	-.00010	.01899	.01502	-.00012	.00430	29.219	.00030	-.00022
#2	.00050	.00239	.00036	.01826	.01566	.00000	.00267	29.091	.00067	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00651	.00192	-.00097	5.1765	.01443	16.545	.00024	.00324	28.996	.00012
Stddev	.00003	.00014	.00003	.0359	.00238	.023	.00009	.00005	.276	.00004
%RSD	.47315	7.4378	2.8577	.69385	16.490	.14117	39.564	1.4304	.95126	28.811
#1	.00653	.00202	-.00099	5.2018	.01275	16.529	.00017	.00321	29.191	.00015
#2	.00649	.00182	-.00095	5.1511	.01611	16.562	.00030	.00327	28.801	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02773	.00151	7.0266	-.00193	-.00038	22.860	-.00033	.13239	-.00283	.00008
Stddev	.00004	.00108	.0015	.00194	.00161	.014	.00044	.00026	.00037	.00012
%RSD	.15604	71.474	.02208	100.13	420.22	.06118	131.48	.19725	13.063	160.41
#1	.02776	.00075	7.0255	-.00056	-.00153	22.870	-.00064	.13257	-.00309	-.00001
#2	.02770	.00227	7.0277	-.00331	.00076	22.850	-.00002	.13220	-.00256	.00017
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00062	.06110	.02394	.00388	.00239
Stddev	.00130	.01377	.00000	.00021	.00361
%RSD	208.35	22.540	.00291	5.3878	151.22
#1	-.00030	.05136	.02394	.00374	.00494
#2	.00154	.07084	.02394	.00403	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4024.8	59334.	4359.7
Stddev	8.3	27.	.6
%RSD	.20607	.04612	.01433
#1	4030.6	59315.	4360.1
#2	4018.9	59354.	4359.2

Sample Name: 280-19457-c-5-a Acquired: 8/25/2011 20:21:16 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82837 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	-.00115	.00143	.02245	.01156	-.00002	.00261	38.007	.00050	-.00042
Stddev	.00025	.00126	.00015	.00000	.00011	.00005	.00077	.064	.00000	.00034
%RSD	2406.5	109.52	10.531	.01232	.98267	228.23	29.344	.16720	.60940	81.951
#1	.00017	-.00026	.00153	.02245	.01148	-.00005	.00316	37.962	.00050	-.00066
#2	-.00019	-.00205	.00132	.02245	.01164	.00001	.00207	38.052	.00050	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00705	.00231	.00415	5.8763	.01283	22.463	.00010	.00256	20.397	-.00015
Stddev	.00014	.00015	.00103	.0235	.00404	.004	.00003	.00012	.108	.00003
%RSD	1.9349	6.6264	24.871	.40056	31.477	.01954	32.324	4.7590	.52869	21.841
#1	.00695	.00242	.00342	5.8930	.00997	22.466	.00012	.00265	20.474	-.00018
#2	.00715	.00220	.00488	5.8597	.01568	22.460	.00008	.00248	20.321	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02783	.00070	10.430	-.00144	.00437	24.658	-.00031	.17787	-.00327	-.00024
Stddev	.00108	.00136	.029	.00084	.00052	.059	.00001	.00019	.00024	.00020
%RSD	3.8644	194.62	.27481	58.236	11.843	.23972	2.0610	.10716	7.2879	83.764
#1	.02707	-.00026	10.450	-.00085	.00473	24.616	-.00032	.17773	-.00310	-.00038
#2	.02859	.00166	10.409	-.00203	.00400	24.700	-.00031	.17800	-.00343	-.00010
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00226	.05868	.02976	.00166	.00281
Stddev	.00227	.02248	.00008	.00051	.00113
%RSD	100.83	38.303	.28463	30.741	40.195
#1	.00065	.07458	.02982	.00202	.00201
#2	.00386	.04279	.02970	.00130	.00361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4006.6	58855.	4384.1
Stddev	7.9	89.	2.7
%RSD	.19745	.15184	.06133
#1	4001.0	58792.	4386.0
#2	4012.2	58918.	4382.2

Sample Name: 280-19457-c-6-a Acquired: 8/25/2011 20:23:50 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82837 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	.00121	-.00211	.02196	.01178	-.00008	.00422	38.220	.00027	-.00056
Stddev	.00033	.00018	.00099	.00031	.00027	.00002	.00258	.078	.00031	.00003
%RSD	3198.8	15.229	46.968	1.4064	2.2769	20.008	61.261	.20313	113.85	5.0222
#1	.00022	.00134	-.00281	.02174	.01197	-.00007	.00604	38.275	.00050	-.00054
#2	-.00024	.00108	-.00141	.02218	.01159	-.00009	.00239	38.166	.00005	-.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00710	.00205	.00015	5.8416	.01430	22.394	.00004	.00255	20.140	-.00013
Stddev	.00008	.00003	.00199	.0389	.00001	.007	.00001	.00018	.272	.00022
%RSD	1.1130	1.6708	1345.9	.66554	.05842	.03103	27.003	6.8822	1.3496	165.16
#1	.00704	.00207	.00156	5.8691	.01430	22.399	.00003	.00243	19.948	-.00028
#2	.00716	.00202	-.00126	5.8141	.01429	22.389	.00004	.00268	20.332	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02796	-.00058	10.467	-.00069	-.00138	24.882	-.00065	.17836	-.00319	.00007
Stddev	.00100	.00045	.003	.00150	.00102	.035	.00065	.00041	.00058	.00067
%RSD	3.5882	77.385	.02967	215.95	74.089	.13897	99.358	.23179	18.268	890.41
#1	.02867	-.00026	10.465	-.00175	-.00211	24.907	-.00112	.17865	-.00360	.00054
#2	.02726	-.00090	10.469	.00037	-.00066	24.858	-.00019	.17806	-.00278	-.00040
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00170	.04116	.02939	.00153	.00540
Stddev	.00034	.02175	.00040	.00029	.00065
%RSD	19.773	52.831	1.3762	18.692	12.045
#1	.00147	.05654	.02967	.00133	.00494
#2	.00194	.02579	.02910	.00174	.00586
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4017.2	59406.	4397.8
Stddev	.4	141.	28.4
%RSD	.00947	.23764	.64642
#1	4016.9	59307.	4377.7
#2	4017.4	59506.	4417.9

Sample Name: CCVH-940568 Acquired: 8/25/2011 20:26:23 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02110**	**49.783**	**-.00677**	**.00048**	**-.00015**	**-.00020**	**1.0223**	**.02199**	**-.00096**	**.00221**	**.00000**	**-.00176**	**50.730**
Stddev	.00056	.254	.00009	.00014	.00021	.00002	.0017	.00652	.00010	.00022	.00013	.00044	.295
%RSD	2.6566	.50976	1.2668	29.199	134.51	11.936	.16532	29.654	10.279	9.8275	16145.	24.798	.58151
#1	-.02149	49.603	-.00683	.00038	-.00030	-.00022	1.0211	.02661	-.00089	.00206	.00009	-.00145	50.521
#2	-.02070	49.962	-.00671	.00058	-.00001	-.00018	1.0235	.01738	-.00103	.00236	-.00009	-.00207	50.938
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16671**	**.00116**	**-.10244**	**.00096**	**-.00231**	**262.79**	**.00112**	**.00085**	**-.00098**	**5.0198**	**-.01091**	**.01088**	**.02956**
Stddev	.00748	.00492	.00283	.00004	.00041	1.00	.00027	.00179	.00030	.0461	.00003	.00886	.00178
%RSD	4.4847	423.68	2.7637	3.7709	17.798	.37949	24.016	210.22	30.921	.91804	.24024	81.467	6.0344
#1	.16142	.00464	-.10044	.00099	-.00260	262.08	.00130	-.00041	-.00120	4.9872	-.01093	.01714	.02830
#2	.17199	-.00232	-.10445	.00094	-.00202	263.49	.00093	.00211	-.00077	5.0523	-.01089	.00461	.03082
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00128**	**.00049**	**5.0316**	**.00213**	**.00489**	**10.591**	**-.00920**	**.00486**	**.01406**
Stddev	.00070	.00007	.0043	.00002	.00010	.003	.00016	.00025	.00451
%RSD	54.460	13.848	.08620	1.0583	1.9627	.03247	1.7121	5.1503	32.099
#1	.00177	.00053	5.0347	.00211	.00496	10.593	-.00908	.00504	.01087
#2	.00079	.00044	5.0286	.00214	.00483	10.588	-.00931	.00468	.01726
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3914.3**	**57321.**	**4337.2**
Stddev	6.2	12.	12.6
%RSD	.15719	.02127	.29153
#1	3918.7	57313.	4346.1
#2	3910.0	57330.	4328.2

Sample Name: CCV-940591 Acquired: 8/25/2011 20:28:54 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53676**	**.51771**	**1.0322**	**.51535**	**.52055**	**.50100**	**.00423**	**4.9611**	**.52225**	**.51318**	**.51160**	**.52547**	**2.4844**	**50.940**
Stddev	.00108	.00190	.0088	.00115	.00086	.00049	.00246	.0107	.00016	.00063	.00039	.00063	.0094	.027
%RSD	.20206	.36761	.85448	.22409	.16612	.09733	58.097	.21622	.03133	.12231	.07715	.11945	.37797	.05384
#1	.53600	.51637	1.0384	.51453	.52117	.50135	.00596	4.9687	.52214	.51274	.51132	.52503	2.4910	50.960
#2	.53753	.51906	1.0260	.51617	.51994	.50066	.00249	4.9535	.52237	.51363	.51188	.52592	2.4778	50.921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0205**	**20.950**	**.52068**	**.51386**	**5.3073**	**.51168**	**.99519**	**1.0438**	**.00745**	**1.0217**	**1.0269**	**4.9387**	**1.0230**	**.52133**
Stddev	.0018	.017	.00001	.00153	.0504	.00066	.00077	.0015	.00159	.0060	.0050	.0148	.0017	.00088
%RSD	.17184	.08144	.00141	.29834	.95039	.12989	.07741	.14254	21.330	.58215	.48196	.29898	.16390	.16944
#1	1.0217	20.962	.52067	.51494	5.3429	.51121	.99574	1.0427	.00632	1.0259	1.0304	4.9492	1.0241	.52196
#2	1.0192	20.938	.52068	.51277	5.2716	.51215	.99465	1.0448	.00857	1.0175	1.0234	4.9283	1.0218	.52071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.50691**	**1.0485**	**.03545**	**.52481**	**.52234**	**.50766**
Stddev	.00095	.00037	.0013	.02441	.00037	.00273	.00070
%RSD	1032.3	.07344	.12351	68.857	.07080	.52289	.13776
#1	-.00058	.50717	1.0494	.05271	.52455	.52040	.50717
#2	.00076	.50664	1.0476	.01819	.52507	.52427	.50816
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4018.1**	**59296.**	**4369.4**
Stddev	1.1	162.	5.4
%RSD	.02655	.27356	.12285
#1	4018.8	59181.	4373.2
#2	4017.3	59411.	4365.7

Sample Name: CCB Acquired: 8/25/2011 20:31:16 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00005**	**.00171**	**.00027**	**-.00033**	**.00001**	**.00012**	**-.00029**	**.00038**	**-.00007**	**.00018**
Stddev	.00023	.00031	.00400	.00014	.00021	.00002	.00137	.00126	.00005	.00022	.00023
%RSD	403.55	659.95	233.00	51.764	62.966	169.52	1116.9	438.38	12.191	300.91	130.77
#1	.00022	-.00017	-.00111	.00037	-.00018	.00002	.00109	-.00118	.00035	.00008	.00001
#2	-.00011	.00027	.00454	.00017	-.00048	.00000	-.00085	.00060	.00041	-.00022	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**-.00160**	**.05251**	W **.00472**	**-.00142**	**-.00004**	**.00269**	**.06389**	**-.00013**	**-.00222**	**-.00016**
Stddev	.00028	.00188	.01685	.00130	.00039	.00002	.00100	.00904	.00024	.00089	.00151
%RSD	47.163	117.98	32.089	27.524	27.352	41.637	37.145	14.149	185.41	39.923	976.14
#1	.00039	-.00293	.06442	.00564	-.00115	-.00003	.00198	.05750	-.00029	-.00159	-.00123
#2	.00078	-.00026	.04059	.00380	-.00170	-.00005	.00340	.07028	.00004	-.00284	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01178**	F **.00679**	W **.00496**	**-.00430**	**.00042**	**.00018**	**-.00284**	**.00052**	**.00122**	**.04536**	**-.00003**
Stddev	.00311	.00223	.00120	.01009	.00019	.00006	.00093	.00022	.00164	.00640	.00005
%RSD	26.394	32.878	24.270	234.64	44.964	34.692	32.634	42.997	134.41	14.121	141.90
#1	.01398	.00521	.00411	.00284	.00029	.00014	-.00219	.00036	.00238	.04083	.00000
#2	.00958	.00836	.00581	-.01144	.00056	.00023	-.00350	.00068	.00006	.04988	-.00006
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00165**	W **.00467**
Stddev	.00059	.00263
%RSD	35.594	56.236
#1	.00207	.00653
#2	.00124	.00281
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4057.0**	**60811.**	**4334.1**
Stddev	12.5	94.	7.1
%RSD	.30873	.15501	.16494
#1	4048.1	60744.	4329.1
#2	4065.8	60877.	4339.2

Sample Name: CCVL942742 Acquired: 8/25/2011 20:33:52 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01141**	**.10626**	**.01420**	**.10227**	**.01052**	**.00096**	F **.13284**	**.20146**	**.00544**	**.01076**	**.01052**
Stddev	.00014	.00106	.00254	.00011	.00028	.00012	.00053	.00557	.00002	.00035	.00018
%RSD	1.2568	.99802	17.909	.10275	2.6244	12.859	.39640	2.7646	.38325	3.2847	1.6725
#1	.01131	.10701	.01600	.10219	.01072	.00087	.13247	.19752	.00546	.01101	.01065
#2	.01152	.10551	.01241	.10234	.01033	.00104	.13321	.20540	.00543	.01051	.01040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01714**	**.10009**	**3.1366**	**.01106**	**.22204**	**.01086**	**.01987**	**1.1130**	**.04219**	**2.9100**	**.00930**
Stddev	.00016	.00093	.0148	.00554	.00151	.00007	.00020	.0123	.00026	.0062	.00164
%RSD	.95873	.92496	.47124	50.055	.67841	.67911	1.0253	1.1073	.61423	.21294	17.638
#1	.01703	.09943	3.1471	.01498	.22310	.01091	.01972	1.1217	.04201	2.9144	.00814
#2	.01726	.10074	3.1262	.00715	.22097	.01080	.02001	1.1043	.04238	2.9057	.01045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00853**	**.00870**	**.01423**	**.47417**	**.10231**	**.01081**	**.01450**	**.01035**	W **.01903**	F **.11921**	**.01039**
Stddev	.00375	.00125	.00116	.00076	.00074	.00005	.00031	.00024	.00146	.00018	.00007
%RSD	43.923	14.410	8.1651	.16076	.72440	.47110	2.1479	2.3652	7.6743	.15234	.68797
#1	.00588	.00781	.01341	.47363	.10283	.01078	.01428	.01018	.02007	.11934	.01034
#2	.01118	.00958	.01505	.47471	.10179	.01085	.01472	.01052	.01800	.11908	.01044
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass
Value									.01500	.06000	
Range									20.000%	30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02262**	W **.01919**
Stddev	.00000	.00231
%RSD	.01793	12.030
#1	.02263	.02082
#2	.02262	.01756
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4101.0**	**61320.**	**4377.5**
Stddev	4.1	22.	14.4
%RSD	.09982	.03543	.32884
#1	4098.1	61335.	4367.3
#2	4103.9	61304.	4387.7

Sample Name: mb 280-82828/1-a Acquired: 8/25/2011 20:36:25 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.01323**	**-.00496**	W **.00953**	**.00066**	**-.00001**	**.00095**	W **.10512**	**.00050**	**-.00015**
Stddev	.00006	.00007	.00484	.00077	.00007	.00003	.00112	.00278	.00007	.00017
%RSD	40.902	.54835	97.514	8.1290	10.913	219.50	117.33	2.6435	14.912	113.88
#1	-.00011	.01328	-.00154	.01007	.00061	-.00004	.00174	.10708	.00044	-.00027
#2	-.00020	.01318	-.00838	.00898	.00071	.00001	.00016	.10315	.00055	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				.00500				.10000		
Low Limit				-.00500				-.10000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00231**	W **.03956**	**.07492**	**-.00120**	**.02314**	**.00081**	**.00002**	**.16903**	**.00076**
Stddev	.00003	.00023	.00444	.02262	.00222	.00186	.00001	.00011	.02738	.00037
%RSD	8.3991	9.8639	11.216	30.195	184.85	8.0450	1.1021	464.44	16.198	49.088
#1	.00036	.00215	.04269	.05892	-.00277	.02183	.00082	.00010	.14967	.00049
#2	.00041	.00247	.03642	.09092	.00037	.02446	.00080	-.00005	.18840	.00102
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.03000							
Low Limit			-.05000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00407**	**-.00073**	**.03729**	**.00043**	**.00017**	W **.06911**	**.00664**	**.00045**	**-.00235**	**.00110**
Stddev	.00406	.00080	.00040	.00275	.00144	.00425	.00033	.00007	.00175	.00016
%RSD	99.926	110.44	1.0697	636.75	851.88	6.1551	5.0302	16.557	74.235	14.258
#1	.00119	-.00016	.03757	-.00151	.00118	.07212	.00640	.00040	-.00359	.00099
#2	.00694	-.00129	.03701	.00237	-.00085	.06610	.00687	.00050	-.00112	.00121
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.05000				
Low Limit						-.05000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00108**	**.04939**	**-.00043**	W **.00612**	**.00477**
Stddev	.00109	.00273	.00012	.00026	.00290
%RSD	100.37	5.5262	28.412	4.2315	60.769
#1	-.00185	.04746	-.00034	.00630	.00272
#2	-.00031	.05132	-.00052	.00594	.00683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				.00500	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4095.3**	**61805.**	**4463.0**
Stddev	14.2	109.	9.1
%RSD	.34557	.17702	.20324
#1	4105.3	61728.	4456.6
#2	4085.3	61883.	4469.4

Sample Name: lcs 280-82828/2-a Acquired: 8/25/2011 20:39:02 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04815**	**1.8590**	**.97864**	**1.0176**	**2.0027**	**.04806**	F **2.2682**	**46.919**	**.10187**	**.47851**
Stddev	.00075	.0126	.00502	.0019	.0087	.00001	.0104	.144	.00040	.00140
%RSD	1.5655	.67605	.51287	.18312	.43459	.02398	.45952	.30742	.39737	.29174
#1	.04868	1.8679	.98219	1.0189	2.0089	.04805	2.2756	47.021	.10216	.47949
#2	.04762	1.8501	.97509	1.0163	1.9966	.04806	2.2608	46.817	.10159	.47752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19438**	**.25252**	**.96776**	**49.436**	**.98071**	**48.899**	**.49039**	**1.0089**	**50.973**	**.47429**
Stddev	.00047	.00041	.00057	.267	.00385	.058	.00073	.0050	.874	.00144
%RSD	.23950	.16046	.05910	.53912	.39300	.11855	.14956	.49762	1.7145	.30335
#1	.19471	.25224	.96736	49.625	.98344	48.940	.49091	1.0125	51.591	.47531
#2	.19405	.25281	.96817	49.248	.97798	48.858	.48987	1.0054	50.355	.47327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6026**	**.48250**	**.05044**	**.49012**	**1.9223**	**2.8790**	**1.9734**	**1.0059**	**.95551**	**1.0180**
Stddev	.0212	.00210	.00034	.00778	.0077	.0181	.0055	.0038	.00159	.0003
%RSD	.22051	.43590	.67010	1.5875	.40049	.62818	.27975	.37823	.16608	.03137
#1	9.6176	.48399	.05020	.49562	1.9277	2.8662	1.9773	1.0086	.95439	1.0183
#2	9.5876	.48101	.05068	.48462	1.9168	2.8918	1.9695	1.0033	.95663	1.0178
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9369**	**2.1020**	**.50308**	**.49042**	**.50768**
Stddev	.0106	.0451	.00036	.00059	.00198
%RSD	.54615	2.1456	.07114	.12019	.38917
#1	1.9443	2.1339	.50333	.49084	.50908
#2	1.9294	2.0701	.50282	.49001	.50629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3949.5**	**58230.**	**4380.4**
Stddev	2.5	233.	13.3
%RSD	.06399	.40005	.30323
#1	3947.7	58065.	4371.0
#2	3951.2	58394.	4389.8

Sample Name: 280-19387-b-1-e Acquired: 8/25/2011 20:41:22 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**253.71**	**.07143**	**.11972**	**2.2503**	**.01355**	**.00396**	**67.194**	**.00847**	**.08493**
Stddev	.00014	.83	.00456	.00050	.0079	.00004	.00273	.232	.00055	.00018
%RSD	32.716	.32670	6.3858	.41805	.35018	.30388	69.011	.34493	6.5073	.21567
#1	.00033	253.13	.07465	.12008	2.2447	.01352	.00203	67.030	.00808	.08506
#2	.00053	254.30	.06820	.11937	2.2559	.01358	.00589	67.358	.00886	.08480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25095**	**.29339**	**252.29**	**76.416**	**.24326**	**95.558**	**5.4236**	**.00662**	**2.5717**	**.22903**
Stddev	.00023	.00010	.90	.261	.00222	.218	.0030	.00088	.0038	.00023
%RSD	.09004	.03272	.35791	.34212	.91097	.22779	.05607	13.305	.14893	.09938
#1	.25079	.29345	251.65	76.231	.24169	95.404	5.4215	.00600	2.5690	.22919
#2	.25111	.29332	252.93	76.601	.24482	95.712	5.4258	.00724	2.5744	.22886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.031**	**.20120**	**1.9681**	**-.00543**	**.00557**	**3.9565**	**-.00079**	**.44971**	**.10259**	**7.9208**
Stddev	.019	.00043	.0077	.00338	.00390	.0045	.00019	.00171	.00202	.0086
%RSD	.13538	.21408	.38934	62.312	70.059	.11257	23.914	.38042	1.9693	.10845
#1	14.045	.20151	1.9735	-.00782	.00281	3.9596	-.00092	.44850	.10402	7.9147
#2	14.018	.20090	1.9627	-.00304	.00833	3.9533	-.00066	.45092	.10116	7.9268
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00394**	**.00703**	**.13333**	**1.1698**	**.75181**
Stddev	.00180	.01591	.00069	.0024	.00609
%RSD	45.726	226.26	.51852	.20717	.80966
#1	.00267	-.00422	.13284	1.1681	.74750
#2	.00522	.01828	.13382	1.1715	.75611
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4764.9**	**68583.**	**5507.2**
Stddev	4.0	13.	27.0
%RSD	.08331	.01829	.49102
#1	4767.7	68592.	5526.3
#2	4762.1	68574.	5488.1

Sample Name: 280-19387-b-2-g Acquired: 8/25/2011 20:44:37 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**256.91**	**.06680**	**.11108**	**2.3131**	**.01371**	**.00416**	**67.824**	**.00804**	**.08256**
Stddev	.00056	1.90	.00594	.01016	.0180	.00020	.00152	.482	.00057	.00777
%RSD	109.07	.73993	8.8895	9.1435	.77630	1.4753	36.574	.71059	7.0755	9.4056
#1	.00090	255.56	.07100	.11826	2.3004	.01357	.00308	67.484	.00844	.08805
#2	.00012	258.25	.06260	.10390	2.3258	.01385	.00524	68.165	.00764	.07707
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24097**	**.30030**	**257.77**	**76.979**	**.24660**	**98.302**	**5.6483**	**.00268**	**2.6069**	**.22120**
Stddev	.02056	.00368	2.20	.599	.00135	1.227	.0384	.00025	.0255	.01845
%RSD	8.5323	1.2247	.85387	.77772	.54938	1.2480	.67926	9.3872	.97957	8.3403
#1	.25551	.29770	256.22	76.555	.24565	97.434	5.6211	.00286	2.5889	.23424
#2	.22644	.30290	259.33	77.402	.24756	99.169	5.6754	.00250	2.6250	.20815
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.658**	**.19335**	**1.8783**	**-.00623**	**-.00299**	**4.5320**	**.00039**	**.45515**	**.08984**	**8.0856**
Stddev	1.055	.01308	.1621	.00101	.00296	.0513	.00009	.00341	.00102	.1001
%RSD	7.7256	6.7639	8.6292	16.145	99.107	1.1311	23.316	.74979	1.1312	1.2382
#1	14.404	.20260	1.9929	-.00552	-.00089	4.4957	.00045	.45273	.09056	8.0148
#2	12.912	.18410	1.7636	-.00694	-.00508	4.5682	.00032	.45756	.08912	8.1564
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00443**	**.01960**	**.13222**	**1.1962**	**.77308**
Stddev	.00071	.02428	.00289	.0139	.00268
%RSD	15.975	123.88	2.1858	1.1650	.34642
#1	.00393	.00243	.13018	1.1864	.77118
#2	.00493	.03677	.13426	1.2061	.77497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4907.4**	**68776.**	**5552.8**
Stddev	158.3	417.	7.3
%RSD	3.2267	.60637	.13094
#1	4795.4	69071.	5557.9
#2	5019.3	68481.	5547.6

Sample Name: 280-19387-e-3-i Acquired: 8/25/2011 20:47:54 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**20.150**	**.00816**	**.00644**	**.21050**	**.00094**	**.00379**	**6.8788**	**.00056**	**.00646**
Stddev	.00028	.735	.00242	.00066	.00803	.00007	.00076	.2666	.00008	.00027
%RSD	227.03	3.6482	29.616	10.265	3.8149	7.0921	20.098	3.8759	14.850	4.1335
#1	-.00032	20.670	.00987	.00691	.21618	.00099	.00325	7.0674	.00062	.00665
#2	.00007	19.631	.00645	.00597	.20482	.00090	.00433	6.6903	.00050	.00627
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01846**	**.01734**	**19.955**	**5.1600**	**.01697**	**6.6189**	**.56852**	**-.00026**	**.21816**	**.01585**
Stddev	.00097	.00098	.741	.1882	.00048	.3056	.02636	.00010	.00189	.00101
%RSD	5.2561	5.6368	3.7115	3.6467	2.8123	4.6166	4.6365	36.912	.86726	6.4014
#1	.01914	.01803	20.479	5.2931	.01731	6.8350	.58716	-.00033	.21682	.01657
#2	.01777	.01665	19.431	5.0270	.01663	6.4028	.54988	-.00019	.21949	.01513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94407**	**.01418**	**.21311**	**-.00315**	W **-.00685**	**.31217**	**-.00072**	**.03534**	**.00442**	**.59891**
Stddev	.04973	.00029	.00825	.00006	.00063	.00988	.00004	.00132	.00102	.02738
%RSD	5.2675	2.0243	3.8735	1.8537	9.1572	3.1638	4.9757	3.7371	23.038	4.5722
#1	.97923	.01398	.21894	-.00311	-.00729	.31915	-.00074	.03627	.00514	.61828
#2	.90890	.01438	.20727	-.00319	-.00640	.30519	-.00069	.03440	.00370	.57955
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					5.0000					
Low Limit					-.00500					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00543**	**-.02127**	**.01270**	**.08717**	**.05897**
Stddev	.00026	.01369	.00022	.00395	.00471
%RSD	4.7190	64.339	1.7676	4.5312	7.9857
#1	.00561	-.03095	.01286	.08996	.06230
#2	.00525	-.01160	.01254	.08437	.05564
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6819.2**	**99843.**	**6790.2**
Stddev	22.2	18.	27.9
%RSD	.32596	.01845	.41086
#1	6803.5	99856.	6770.5
#2	6834.9	99830.	6810.0

Sample Name: 280-19387-e-3-iSD@5 Acquired: 8/25/2011 20:50:24 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**22.171**	**.00538**	**.01212**	**.23797**	**.00120**	**.00235**	**7.8789**	**.00103**	**.00965**
Stddev	.00008	.173	.00042	.00027	.00118	.00011	.00397	.0624	.00008	.00019
%RSD	22.028	.77873	7.7746	2.2227	.49730	9.4366	168.56	.79255	8.1307	1.9891
#1	-.00030	22.049	.00509	.01193	.23713	.00112	-.00045	7.8348	.00108	.00978
#2	-.00041	22.293	.00568	.01231	.23881	.00128	.00516	7.9231	.00097	.00951
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02652**	**.02576**	**22.834**	**5.5810**	**.02317**	**8.2341**	**.70099**	**.00025**	**.21926**	**.02435**
Stddev	.00034	.00049	.153	.0333	.00159	.1055	.00993	.00007	.00335	.00007
%RSD	1.2860	1.8995	.67144	.59735	6.8642	1.2806	1.4169	27.440	1.5286	.26742
#1	.02676	.02610	22.725	5.5574	.02204	8.3087	.70801	.00020	.21689	.02439
#2	.02628	.02541	22.942	5.6046	.02429	8.1595	.69397	.00030	.22163	.02430
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2821**	**.02128**	**.30318**	**-.00141**	**-.00335**	**.37118**	**-.00029**	**.04015**	**.00774**	**.74109**
Stddev	.0039	.00164	.00312	.00137	.00211	.02007	.00024	.00032	.00043	.01240
%RSD	.30343	7.7224	1.0294	97.023	62.981	5.4061	80.298	.78774	5.5831	1.6732
#1	1.2793	.02012	.30097	-.00237	-.00484	.38537	-.00046	.03993	.00805	.74986
#2	1.2848	.02244	.30539	-.00044	-.00186	.35699	-.00013	.04037	.00744	.73232
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00383**	**.00178**	**.01600**	**.10538**	**.06100**
Stddev	.00065	.00538	.00018	.00212	.00025
%RSD	16.839	302.40	1.1033	2.0075	.40681
#1	.00338	-.00203	.01587	.10687	.06082
#2	.00429	.00559	.01612	.10388	.06118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5216.9**	**77057.**	**5584.7**
Stddev	8.8	503.	14.6
%RSD	.16829	.65243	.26159
#1	5210.7	77412.	5595.0
#2	5223.1	76701.	5574.4

Sample Name: 280-19387-e-3-j ms Acquired: 8/25/2011 20:52:54 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02654**	**133.31**	**.57121**	**.56180**	**2.3203**	**.03183**	**1.1979**	**64.401**	**.05905**	**.30276**
Stddev	.00029	.63	.00264	.00022	.0114	.00016	.0041	.256	.00026	.00003
%RSD	1.0794	.47561	.46238	.03961	.49262	.51392	.34521	.39679	.44529	.00841
#1	.02633	133.76	.57308	.56165	2.3284	.03194	1.2008	64.582	.05924	.30274
#2	.02674	132.86	.56934	.56196	2.3122	.03171	1.1949	64.221	.05887	.30278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26024**	**.26839**	**119.07**	**60.545**	**.64127**	**69.772**	**3.6043**	**.50323**	**29.994**	**.37621**
Stddev	.00100	.00095	.98	.300	.00156	.253	.0155	.00140	.142	.00072
%RSD	.38307	.35572	.82527	.49568	.24324	.36330	.43009	.27743	.47508	.19209
#1	.26094	.26772	119.77	60.757	.64237	69.593	3.5933	.50421	29.893	.37672
#2	.25953	.26907	118.38	60.333	.64017	69.952	3.6152	.50224	30.095	.37570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.650**	**.35713**	**1.4235**	**.06356**	**1.0382**	**3.3557**	**.96249**	**.76411**	**.55895**	**5.4293**
Stddev	.026	.00011	.0031	.00281	.0001	.0010	.00035	.00343	.00493	.0265
%RSD	.22241	.03045	.21730	4.4133	.00859	.03122	.03622	.44951	.88134	.48749
#1	11.668	.35705	1.4257	.06158	1.0383	3.3564	.96225	.76654	.55546	5.4106
#2	11.631	.35721	1.4213	.06554	1.0382	3.3549	.96274	.76169	.56243	5.4480
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0107**	**1.0775**	**.38777**	**.79858**	**.57161**
Stddev	.0018	.0155	.00266	.00187	.00355
%RSD	.18102	1.4405	.68665	.23418	.62077
#1	1.0094	1.0666	.38588	.79726	.57412
#2	1.0120	1.0885	.38965	.79991	.56910
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5292.9**	**76339.**	**5832.3**
Stddev	2.8	212.	20.4
%RSD	.05294	.27799	.34957
#1	5294.9	76489.	5817.9
#2	5290.9	76189.	5846.7

Sample Name: 280-19387-e-3-k msd Acquired: 8/25/2011 20:55:21 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02706**	**135.59**	**.58709**	**.58323**	**2.3628**	**.03279**	**1.2324**	**66.430**	**.06112**	**.31116**
Stddev	.00048	1.12	.00419	.00047	.0219	.00028	.0001	.562	.00002	.00034
%RSD	1.7810	.82449	.71305	.08118	.92651	.86356	.00553	.84532	.02600	.10944
#1	.02740	136.38	.58413	.58356	2.3783	.03299	1.2324	66.827	.06111	.31092
#2	.02672	134.80	.59005	.58289	2.3473	.03259	1.2325	66.033	.06113	.31140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26444**	**.27473**	**120.89**	**61.661**	**.65261**	**71.015**	**3.6364**	**.52756**	**30.657**	**.38500**
Stddev	.00028	.00176	1.05	.630	.00438	.185	.0535	.00118	.427	.00033
%RSD	.10652	.64212	.86880	1.0210	.67186	.26036	1.4709	.22279	1.3923	.08673
#1	.26424	.27598	121.63	62.107	.65571	71.145	3.5986	.52673	30.959	.38477
#2	.26464	.27348	120.15	61.216	.64951	70.884	3.6743	.52839	30.355	.38524
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.794**	**.36755**	**1.4477**	**.06775**	**1.0669**	**3.5045**	**1.0012**	**.77942**	**.57620**	**5.4943**
Stddev	.017	.00032	.0018	.00033	.0020	.0063	.0008	.00781	.00352	.0153
%RSD	.13989	.08768	.12462	.48388	.18493	.17842	.07755	1.0015	.61082	.27754
#1	11.783	.36778	1.4489	.06798	1.0655	3.5089	1.0007	.78494	.57868	5.5051
#2	11.806	.36733	1.4464	.06752	1.0683	3.5001	1.0018	.77390	.57371	5.4835
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.0362**	**1.1261**	**.39194**	**.81284**	**.58909**
Stddev	.0002	.0085	.00069	.00258	.00602
%RSD	.01621	.75858	.17731	.31731	1.0221
#1	1.0363	1.1201	.39243	.81467	.59335
#2	1.0361	1.1321	.39145	.81102	.58483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5290.2**	**76043.**	**5827.2**
Stddev	.1	61.	1.3
%RSD	.00222	.08046	.02221
#1	5290.1	75999.	5826.3
#2	5290.2	76086.	5828.1

Sample Name: 280-19387-e-3-iPDS Acquired: 8/25/2011 20:57:47 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02338**	**103.21**	**.15332**	**.10967**	**1.1914**	**.03325**	**-.00090**	**48.173**	**.03347**	**.07156**
Stddev	.00013	.78	.00198	.00008	.0092	.00032	.00004	.345	.00039	.00004
%RSD	.53976	.75255	1.2941	.07720	.77311	.95162	4.5908	.71667	1.1785	.06001
#1	.02329	103.76	.15192	.10961	1.1979	.03348	-.00087	48.417	.03319	.07153
#2	.02347	102.66	.15473	.10973	1.1849	.03303	-.00093	47.929	.03375	.07159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15084**	**.15873**	**112.10**	**38.779**	**.14808**	**50.316**	**3.2993**	**.03107**	**13.734**	**.14136**
Stddev	.00064	.00034	.89	.243	.00213	.168	.0427	.00010	.027	.00047
%RSD	.42458	.21219	.79825	.62620	1.4397	.33461	1.2953	.31146	.19544	.33559
#1	.15039	.15849	112.73	38.951	.14959	50.197	3.2691	.03114	13.715	.14102
#2	.15130	.15897	111.46	38.607	.14657	50.435	3.3295	.03100	13.753	.14169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.1302**	**.15417**	**1.4094**	**.04992**	**.11194**	**4.4448**	**.05309**	**.21863**	**.15732**	**3.6105**
Stddev	.0114	.00223	.0081	.00129	.00390	.0561	.00001	.00183	.00086	.0153
%RSD	.15938	1.4457	.57778	2.5757	3.4815	1.2615	.01365	.83483	.54624	.42420
#1	7.1221	.15259	1.4152	.04901	.11469	4.4844	.05308	.21992	.15793	3.5997
#2	7.1382	.15574	1.4037	.05083	.10918	4.4051	.05309	.21734	.15671	3.6213
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.11434**	**.26687**	**.09159**	**.61909**	**.30262**
Stddev	.00176	.01786	.00013	.00362	.00001
%RSD	1.5397	6.6919	.14056	.58450	.00255
#1	.11558	.25424	.09150	.61653	.30263
#2	.11309	.27950	.09168	.62165	.30261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5390.8**	**77348.**	**5865.0**
Stddev	11.4	191.	18.3
%RSD	.21107	.24757	.31194
#1	5398.9	77484.	5877.9
#2	5382.8	77213.	5852.0

Sample Name: CCVH-940568 Acquired: 8/25/2011 21:00:18 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01322**	F **30.099**	**-.00210**	**.00094**	**-.00043**	**-.00011**	F **.59761**	**.02324**	**-.00060**	**.00142**	**.00033**	**-.00304**
Stddev	.00024	.280	.00043	.00134	.00076	.00000	.00028	.00335	.00014	.00011	.00025	.00012
%RSD	1.8526	.92950	20.438	142.14	178.10	3.8959	.04758	14.421	22.868	7.7751	76.775	3.9056
#1	-.01305	30.297	-.00241	.00000	.00011	-.00011	.59781	.02561	-.00070	.00134	.00051	-.00296
#2	-.01339	29.902	-.00180	.00189	-.00097	-.00011	.59741	.02087	-.00051	.00150	.00015	-.00313
Check ?	None	Chk Fail	None	None	None	None	Chk Fail	None	None	None	None	None
Value		50.000					1.0000					
Range		-10.000%					-10.000%					

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **29.019**	**.07351**	**.00429**	**-.05943**	**.00072**	**-.00140**	F **158.24**	**.00036**	**.00057**	**-.00198**	**2.9822**	**-.00675**
Stddev	.293	.01916	.00105	.00183	.00007	.00019	1.88	.00005	.00055	.00151	.0037	.00037
%RSD	1.0106	26.063	24.391	3.0768	9.9986	13.356	1.1906	14.068	97.286	76.461	.12242	5.4575
#1	29.226	.05996	.00503	-.05814	.00077	-.00127	159.57	.00032	.00096	-.00091	2.9797	-.00649
#2	28.812	.08706	.00355	-.06072	.00067	-.00154	156.91	.00039	.00018	-.00305	2.9848	-.00701
Check ?	Chk Fail	None	None	None	None	None	Chk Fail	None	None	None	None	None
Value	50.000						250.00					
Range	-10.000%						-10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00595**	**.00652**	**.00019**	**.00053**	F **2.9892**	**.00339**	**.00532**	F **6.2629**	**-.00575**	**.00258**	**.00841**
Stddev	.00235	.00744	.00084	.00001	.0353	.00057	.00038	.1000	.00036	.00024	.00554
%RSD	39.435	114.10	452.88	1.2439	1.1797	16.936	7.0812	1.5971	6.3158	9.1992	65.829
#1	.00761	.01177	-.00041	.00053	2.9643	.00298	.00505	6.1922	-.00549	.00274	.01233
#2	.00429	.00126	.00078	.00053	3.0142	.00380	.00558	6.3336	-.00601	.00241	.00450
Check ?	None	None	None	None	Chk Fail	None	None	Chk Fail	None	None	None
Value					5.0000			10.000			
Range					-10.000%			-10.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4869.4**	**71382.**	**5168.2**
Stddev	.7	357.	2.9
%RSD	.01436	.49969	.05595
#1	4869.9	71635.	5170.2
#2	4868.9	71130.	5166.1

Sample Name: CCV-940591 Acquired: 8/25/2011 21:02:50 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.31708**	F **.34685**	F **.61527**	F **.30523**	F **.30814**	F **.29577**	**.00422**	F **2.9556**	F **.31038**	F **.30825**	F **.30825**	F **.30416**
Stddev	.00371	.00073	.00290	.00100	.00434	.00391	.00016	.0387	.00155	.00099	.00168	.00297
%RSD	1.1697	.21189	.47208	.32645	1.4077	1.3221	3.8974	1.3093	.49799	.32005	.54495	.97627
#1	.31446	.34737	.61322	.30453	.31121	.29854	.00433	2.9830	.30929	.30756	.30706	.30206
#2	.31970	.34633	.61733	.30594	.30507	.29301	.00410	2.9282	.31148	.30895	.30943	.30626
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.50000	.50000	1.0000	.50000	.50000	.50000		5.0000	.50000	.50000	.50000	.50000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%	-10.000%	-10.000%	-10.000%

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.4782**	F **30.526**	F **.61664**	F **12.598**	F **.31230**	F **.30758**	F **3.2057**	F **.30792**	F **.61541**	F **.62428**	**.01114**	F **.59818**
Stddev	.0284	.376	.00177	.149	.00335	.00058	.0582	.00070	.00347	.00386	.00415	.00136
%RSD	1.9228	1.2304	.28653	1.1843	1.0729	.19008	1.8159	.22706	.56403	.61855	37.227	.22684
#1	1.4983	30.792	.61789	12.492	.30993	.30717	3.2468	.30742	.61295	.62155	.00821	.59722
#2	1.4581	30.261	.61539	12.703	.31466	.30799	3.1645	.30841	.61786	.62701	.01407	.59913
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail
Value	2.5000	50.000	1.0000	20.000	.50000	.50000	5.0000	.50000	1.0000	1.0000		1.0000
Range	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.61063**	F **2.9397**	F **.61449**	F **.30921**	**-.00182**	F **.30265**	F **.62274**	**.00482**	F **.31446**	F **.31970**	F **.29924**
Stddev	.00097	.0284	.00315	.00379	.00201	.00377	.00327	.00581	.00321	.00402	.00463
%RSD	.15833	.96581	.51326	1.2262	110.63	1.2452	.52521	120.36	1.0218	1.2572	1.5480
#1	.61132	2.9598	.61226	.31189	-.00324	.29998	.62043	.00893	.31219	.31686	.30251
#2	.60995	2.9196	.61672	.30653	-.00040	.30531	.62506	.00072	.31673	.32254	.29596
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail
Value	1.0000	5.0000	1.0000	.50000		.50000	1.0000		.50000	.50000	.50000
Range	-10.000%	-10.000%	-10.000%	-10.000%		-10.000%	-10.000%		-10.000%	-10.000%	-10.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4984.7**	**73415.**	**5202.2**
Stddev	10.1	219.	28.5
%RSD	.20210	.29820	.54732
#1	4991.8	73569.	5182.0
#2	4977.6	73260.	5222.3

Sample Name: CCB Acquired: 8/25/2011 21:05:14 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**-.00137**	**-.00093**	**.00039**	W **-.00110**	**.00004**	**.00182**	**-.00205**	**.00021**	**.00000**	**.00015**
Stddev	.00023	.00051	.00061	.00039	.00053	.00006	.00116	.00114	.00010	.0003	.00006
%RSD	81.063	37.108	65.174	99.042	47.880	144.91	63.840	55.774	49.320	12766.	41.282
#1	-.00012	-.00101	-.00136	.00067	-.00073	.00009	.00100	-.00124	.00013	-.00024	.00019
#2	-.00045	-.00173	-.00050	.00012	-.00147	.00000	.00264	-.00286	.00028	.00024	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00058						
Low Limit					-.00058						

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00169**	**-.00041**	**-.03570**	**.00118**	**-.00074**	**.00000**	**.00059**	**.03671**	**-.00076**	**-.00248**	**-.00041**
Stddev	.00024	.00234	.01214	.00008	.00036	.00003	.00042	.00872	.00027	.00163	.00030
%RSD	13.972	575.15	33.995	6.8974	49.364	1330.7	71.779	23.750	36.196	65.807	73.096
#1	-.00186	.00125	-.02712	.00123	-.00048	.00002	.00029	.03054	-.00056	-.00133	-.00062
#2	-.00152	-.00206	-.04428	.00112	-.00100	-.00002	.00089	.04287	-.00095	-.00363	-.00020
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00136										
Low Limit	-.00136										

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01235**	**.00102**	**-.00145**	**.00487**	**-.00028**	**.00023**	**-.00169**	W **.00066**	**.00409**	**.01790**	**-.00092**
Stddev	.00424	.00128	.00221	.00476	.00030	.00001	.00199	.00006	.00033	.03391	.00052
%RSD	34.322	125.68	153.23	97.830	108.29	2.8993	117.83	8.4810	8.0100	189.41	56.879
#1	.00935	.00011	-.00301	.00823	-.00050	.00023	-.00310	.00062	.00432	.04188	-.00129
#2	.01535	.00192	.00012	.00150	-.00007	.00024	-.00028	.00070	.00386	-.00607	-.00055
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit								.00060			
Low Limit								-.00060			

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00064**	F **.00554**
Stddev	.00048	.00204
%RSD	74.805	36.897
#1	.00097	.00699
#2	.00030	.00410
Check ?	Chk Pass	Chk Fail
High Limit		.00476
Low Limit		-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5172.8**	**77572.**	**5347.3**
Stddev	6.7	359.	10.0
%RSD	.12870	.46247	.18633
#1	5177.6	77825.	5354.3
#2	5168.1	77318.	5340.2

Sample Name: CCVL942742 Acquired: 8/25/2011 21:07:51 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00698**	W **.07265**	W **.01057**	F **.06094**	F **.00485**	F **.00065**	W **.07802**	F **.11794**	F **.00333**	F **.00627**	F **.00646**
Stddev	.00050	.00051	.00073	.00021	.00025	.00004	.00066	.00272	.00003	.00008	.00004
%RSD	7.2173	.70807	6.8672	.35234	5.2384	5.5960	.84828	2.3062	.83362	1.2798	.62673
#1	.00662	.07228	.01006	.06079	.00467	.00063	.07849	.11986	.00335	.00621	.00649
#2	.00733	.07301	.01109	.06109	.00503	.00068	.07755	.11601	.00331	.00632	.00643
Check ?	Chk Fail	Chk Warn	Chk Warn	Chk Fail	Chk Fail	Chk Fail	Chk Warn	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01000	.10000	.01500	.10000	.01000	.00100	.10000	.20000	.00500	.01000	.01000
Range	-30.000%	-20.000%	-20.000%	-30.000%	-30.000%	-30.000%	-20.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00822**	F **.05932**	F **1.8557**	**.00804**	F **.13417**	F **.00665**	F **.01170**	F **.67515**	F **.02544**	F **1.8273**	F **.00503**
Stddev	.00007	.00186	.0458	.00070	.00193	.00002	.00006	.01309	.00010	.0026	.00014
%RSD	.80070	3.1368	2.4693	8.6907	1.4352	.31651	.48450	1.9393	.38902	.14042	2.8636
#1	.00827	.06064	1.8881	.00755	.13554	.00666	.01166	.68441	.02537	1.8291	.00514
#2	.00817	.05801	1.8233	.00854	.13281	.00663	.01174	.66589	.02551	1.8255	.00493
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01500	.10000	3.0000		.20000	.01000	.02000	1.0000	.04000	3.0000	.00900
Range	-30.000%	-30.000%	-30.000%		-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00947**	F **.00307**	F **.00762**	F **.28064**	F **.06232**	F **.00655**	F **.00861**	F **.00668**	**.01280**	**.05934**	F **.00549**
Stddev	.00771	.00225	.00421	.00192	.00035	.00016	.00096	.00035	.00064	.01558	.00003
%RSD	81.450	73.451	55.243	.68492	.55985	2.4773	11.109	5.2135	5.0157	26.250	.53059
#1	.00402	.00148	.00464	.28200	.06207	.00667	.00793	.00644	.01235	.07035	.00551
#2	.01493	.00466	.01060	.27928	.06256	.00644	.00928	.00693	.01326	.04833	.00547
Check ?	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value		.01000	.01500	.50000	.10000	.01000	.01500	.01000			.01000
Range		-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%			-30.000%

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	W **.01433**	**.01460**
Stddev	.00016	.00358
%RSD	1.0824	24.492
#1	.01444	.01713
#2	.01422	.01207
Check ?	Chk Warn	Chk Pass
Value	.02000	
Range	-20.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**5098.3**	**76153.**	**5296.2**
Stddev	11.6	175.	19.0
%RSD	.22844	.22924	.35964
#1	5106.5	76276.	5309.7
#2	5090.1	76029.	5282.7

Sample Name: mb 280-82738/1-a Acquired: 8/25/2011 21:10:25 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00015**	**-.00191**	**.00001**	**-.00128**	**.00000**	**.00006**	**.00241**	**.00013**	**-.00004**
Stddev	.00038	.00022	.00131	.00013	.00040	.00006	.00093	.00148	.00021	.00041
%RSD	800.45	149.43	68.613	1310.1	30.877	1547.6	1450.3	61.411	157.25	930.65
#1	-.00022	-.00001	-.00284	-.00008	-.00100	-.00004	.00072	.00346	.00028	-.00033
#2	.00032	.00030	-.00098	.00010	-.00156	.00005	-.00059	.00136	-.00001	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00139**	**-.00103**	**-.04165**	**.00275**	**-.00068**	**.00037**	**-.00037**	**.02626**	**-.00041**
Stddev	.00011	.00019	.00112	.05429	.00056	.00003	.00001	.00029	.00109	.00030
%RSD	113.53	13.380	108.67	130.35	20.371	3.7408	1.8283	78.134	4.1542	73.375
#1	.00002	-.00126	-.00024	-.00326	.00314	-.00066	.00038	-.00057	.02549	-.00063
#2	.00017	-.00152	-.00182	-.08004	.00235	-.00070	.00037	-.00016	.02703	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00060**	**.01165**	**-.00306**	**-.00229**	**-.00856**	**-.00082**	**.00008**	**-.00161**	**.00051**
Stddev	.00070	.00102	.00086	.00046	.00198	.00349	.00042	.00006	.00059	.00046
%RSD	1536.9	169.31	7.3973	14.921	86.614	40.768	51.020	84.798	36.926	91.324
#1	.00054	.00012	.01226	-.00339	-.00089	-.01102	-.00112	.00012	-.00119	.00018
#2	-.00045	-.00132	.01104	-.00274	-.00369	-.00609	-.00052	.00003	-.00203	.00083
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00284**	**.03316**	**-.00076**	**.00111**	**.00380**
Stddev	.00160	.00455	.00057	.00039	.00208
%RSD	56.377	13.736	74.625	35.547	54.629
#1	.00171	.03638	-.00036	.00138	.00233
#2	.00397	.02994	-.00116	.00083	.00527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5104.1**	**75949.**	**5307.0**
Stddev	13.5	224.	39.7
%RSD	.26466	.29490	.74870
#1	5113.7	75791.	5278.9
#2	5094.6	76108.	5335.1

Sample Name: lcs 280-82738/2-a Acquired: 8/25/2011 21:13:01 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.02983**	F **1.3114**	F **.61753**	F **.59824**	F **1.2429**	F **.02992**	F **1.3881**	F **29.533**	F **.06328**	F **.30027**
Stddev	.00011	.0030	.00299	.00166	.0191	.00057	.0015	.499	.00029	.00049
%RSD	.35240	.22628	.48363	.27817	1.5394	1.9101	.10659	1.6907	.45942	.16287
#1	.02990	1.3135	.61542	.59706	1.2564	.03032	1.3891	29.886	.06349	.29992
#2	.02976	1.3093	.61964	.59942	1.2293	.02951	1.3870	29.180	.06308	.30061
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	.05750	2.1600	1.0900	1.1000	2.2600	.05600	2.2000	55.000	.11000	.55000
Low Limit	.04300	1.7200	.86000	.89000	1.8000	.04400	1.8000	44.500	.08700	.44500

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12169**	F **.15134**	F **.58902**	F **31.069**	F **.61521**	F **31.457**	F **.31148**	F **.62041**	F **31.770**	F **.29822**
Stddev	.00027	.00194	.01152	.438	.00696	.366	.00373	.00075	.088	.00007
%RSD	.22094	1.2824	1.9555	1.4105	1.1317	1.1630	1.1962	.12080	.27825	.02265
#1	.12150	.14996	.59717	31.379	.62013	31.199	.30885	.62094	31.832	.29818
#2	.12188	.15271	.58088	30.759	.61029	31.716	.31411	.61988	31.707	.29827
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit		.28000	1.1400	57.000	1.1400	56.500	.55000	1.1000	56.000	.55500
Low Limit		.21500	.88000	44.500	.89000	46.000	.45000	.90000	45.500	.44500

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **6.2542**	F **.30407**	**.00808**	F **.30217**	F **1.2305**	F **5.8849**	F **1.2209**	F **.62344**	F **.60425**	F **.62487**
Stddev	.0100	.00081	.00332	.00008	.0017	.0655	.0019	.00963	.00774	.00748
%RSD	.15999	.26551	41.081	.02629	.13736	1.1139	.15754	1.5450	1.2813	1.1973
#1	6.2471	.30464	.00573	.30223	1.2293	5.9312	1.2223	.63025	.59877	.61958
#2	6.2613	.30350	.01043	.30212	1.2316	5.8385	1.2196	.61663	.60972	.63016
Check ?	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	11.100	.54500		.54000	2.2000	11.500	2.2600	1.1000	1.1500	1.1000
Low Limit	9.1000	.44500		.44000	1.8000	9.4000	1.7000	.91000	.85000	.90000

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	F **1.2243**	F **1.3131**	F **.31816**	F **.32049**	F **.31128**
Stddev	.0022	.0158	.00350	.00534	.00634
%RSD	.18287	1.1992	1.1003	1.6669	2.0358
#1	1.2227	1.3242	.31569	.31672	.31576
#2	1.2259	1.3020	.32064	.32427	.30679
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	2.1600	2.3200	.56000	.55000	.62500
Low Limit	1.7600	1.7000	.44000	.42500	.37500

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4943.5**	**72579.**	**5275.0**
Stddev	9.5	516.	58.3
%RSD	.19122	.71059	1.1054
#1	4950.1	72944.	5233.7
#2	4936.8	72215.	5316.2

Sample Name: 280-19417-a-1-a Acquired: 8/25/2011 21:15:23 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.33009**	**.00102**	**.02559**	**.05736**	**.00009**	**.00192**	**4.5886**	**.00014**	**.00055**
Stddev	.00043	.00303	.00174	.00023	.00055	.00005	.00021	.0060	.00030	.00009
%RSD	114.46	.91691	170.84	.88307	.96139	60.070	10.921	.13085	213.01	16.398
#1	.00007	.33223	-.00021	.02575	.05775	.00012	.00177	4.5844	.00036	.00062
#2	.00068	.32795	.00224	.02543	.05697	.00005	.00207	4.5928	-.00007	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00093**	**-.00094**	**.23874**	**.18338**	**.00225**	**2.0335**	**.00325**	**.00144**	**17.982**	**.00051**
Stddev	.00002	.00053	.00553	.02158	.00410	.0319	.00007	.00036	.311	.00032
%RSD	1.9472	56.777	2.3157	11.767	182.82	1.5711	2.2276	24.735	1.7292	63.377
#1	.00094	-.00132	.23483	.16812	.00515	2.0109	.00320	.00118	18.202	.00073
#2	.00092	-.00056	.24265	.19864	-.00066	2.0561	.00330	.00169	17.762	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01214**	**.00057**	**.14323**	**-.00125**	**-.00061**	**4.7655**	**-.00030**	**.03454**	**-.00055**	**.01021**
Stddev	.00109	.00091	.00103	.00023	.00020	.0133	.00006	.00006	.00027	.00025
%RSD	8.9566	159.00	.72095	18.678	33.697	.27852	19.406	.17633	48.488	2.4453
#1	.01291	-.00007	.14250	-.00108	-.00046	4.7561	-.00034	.03450	-.00074	.01004
#2	.01137	.00121	.14396	-.00141	-.00075	4.7749	-.00026	.03458	-.00036	.01039
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00465**	**.02488**	**.00027**	**.00152**	**.00431**
Stddev	.00001	.01272	.00055	.00034	.00157
%RSD	.11405	51.098	207.77	22.177	36.303
#1	.00465	.03387	-.00012	.00128	.00542
#2	.00464	.01589	.00066	.00176	.00321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5089.2**	**75222.**	**5278.3**
Stddev	15.5	425.	27.3
%RSD	.30390	.56485	.51814
#1	5078.3	75522.	5297.6
#2	5100.2	74921.	5258.9

Sample Name: 280-19417-a-1-aSD@5 Acquired: 8/25/2011 21:17:57 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.07157**	**.00050**	**.00510**	**.01098**	**-.00003**	**.00018**	**.93707**	**.00013**	**-.00004**
Stddev	.00004	.00027	.00086	.00016	.00039	.00002	.00013	.00979	.00005	.00012
%RSD	12.286	.38392	170.26	3.2208	3.5377	72.272	68.492	1.0444	40.104	300.99
#1	-.00028	.07138	.00111	.00498	.01070	-.00004	.00010	.94399	.00017	-.00013
#2	-.00033	.07176	-.00010	.00521	.01125	-.00001	.00027	.93015	.00010	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**-.00129**	**.04758**	**.04082**	**.00233**	**.41881**	**.00091**	**-.00011**	**3.5018**	**-.00022**
Stddev	.00008	.00027	.00113	.02170	.00270	.00008	.00004	.00008	.0175	.00013
%RSD	16.567	20.669	2.3730	53.170	115.74	.01802	3.9456	73.495	.49961	61.347
#1	.00057	-.00111	.04678	.02547	.00042	.41886	.00094	-.00005	3.5142	-.00032
#2	.00045	-.00148	.04838	.05617	.00424	.41876	.00089	-.00016	3.4895	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**-.00084**	**.03806**	**-.00181**	**-.00293**	**.96944**	**-.00024**	**.00705**	**-.00105**	**.00220**
Stddev	.00097	.00075	.00213	.00192	.00077	.01810	.00043	.00008	.00034	.00023
%RSD	148.97	89.271	5.5992	106.20	26.088	1.8673	178.50	1.1214	32.771	10.286
#1	.00134	-.00031	.03656	-.00045	-.00239	.95664	-.00055	.00711	-.00129	.00236
#2	-.00003	-.00137	.03957	-.00316	-.00347	.98224	.00006	.00700	-.00081	.00204
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00412**	**.01756**	**-.00017**	**.00144**	**.00431**
Stddev	.00096	.00746	.00021	.00046	.00141
%RSD	23.295	42.498	125.55	32.143	32.683
#1	.00344	.01228	-.00031	.00177	.00530
#2	.00479	.02283	-.00002	.00112	.00331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5069.2**	**75324.**	**5223.7**
Stddev	13.5	638.	5.2
%RSD	.26723	.84722	.09995
#1	5078.8	75776.	5227.4
#2	5059.6	74873.	5220.0

Sample Name: 280-19417-a-1-b ms Acquired: 8/25/2011 21:20:34 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03010**	**1.8995**	**.62073**	**.62521**	**1.2845**	**.02967**	**1.3794**	**33.638**	**.06360**	**.29992**
Stddev	.00028	.0125	.00113	.00202	.0284	.00071	.0005	.749	.00023	.00068
%RSD	.91639	.65975	.18128	.32362	2.2105	2.3916	.03742	2.2269	.35664	.22759
#1	.02990	1.9084	.62152	.62378	1.3045	.03017	1.3791	34.168	.06344	.29944
#2	.03029	1.8907	.61993	.62664	1.2644	.02917	1.3798	33.108	.06376	.30041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12310**	**.15219**	**.84612**	**30.902**	**.60662**	**33.474**	**.31540**	**.62191**	**49.414**	**.29811**
Stddev	.00001	.00126	.02125	.751	.01574	.182	.00136	.00166	1.543	.00040
%RSD	.00920	.82666	2.5115	2.4300	2.5955	.54433	.43224	.26633	3.1229	.13449
#1	.12309	.15308	.86115	31.433	.61775	33.603	.31637	.62074	50.505	.29783
#2	.12311	.15130	.83110	30.371	.59548	33.345	.31444	.62308	48.323	.29839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.2818**	**.30223**	**.13599**	**.30197**	**1.2308**	**10.874**	**1.2285**	**.65010**	**.60512**	**.63865**
Stddev	.0217	.00144	.00127	.00099	.0069	.218	.0048	.01385	.00136	.00453
%RSD	.34505	.47786	.93085	.32659	.55726	2.0077	.39230	2.1305	.22427	.70969
#1	6.2665	.30121	.13689	.30127	1.2260	11.028	1.2251	.65989	.60608	.64186
#2	6.2971	.30325	.13510	.30267	1.2357	10.720	1.2319	.64030	.60416	.63545
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.2167**	**1.3157**	**.32076**	**.32216**	**.30936**
Stddev	.0001	.0387	.00120	.00172	.00966
%RSD	.01130	2.9427	.37518	.53245	3.1221
#1	1.2168	1.3430	.32161	.32337	.31619
#2	1.2166	1.2883	.31991	.32094	.30253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4926.8**	**71774.**	**5261.0**
Stddev	12.1	65.	48.6
%RSD	.24529	.09038	.92412
#1	4935.3	71728.	5226.6
#2	4918.2	71819.	5295.3

Sample Name: 280-19417-a-1-c msd Acquired: 8/25/2011 21:23:00 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02959**	**1.9116**	**.61771**	**.62007**	**1.2848**	**.02973**	**1.3796**	**33.610**	**.06326**	**.29943**
Stddev	.00081	.0061	.00382	.00246	.0022	.00001	.0149	.097	.00005	.00159
%RSD	2.7537	.31701	.61914	.39643	.16981	.04295	1.0832	.28955	.07152	.52939
#1	.02901	1.9159	.62041	.62181	1.2864	.02974	1.3902	33.679	.06322	.30055
#2	.03017	1.9073	.61500	.61834	1.2833	.02972	1.3690	33.541	.06329	.29831
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12289**	**.15104**	**.84300**	**30.930**	**.61337**	**33.096**	**.31158**	**.61868**	**49.534**	**.29711**
Stddev	.00093	.00550	.00321	.054	.00425	1.012	.00974	.00411	.375	.00233
%RSD	.76016	3.6414	.38109	.17368	.69308	3.0566	3.1253	.66412	.75781	.78490
#1	.12355	.14715	.84527	30.968	.61637	32.380	.30470	.62158	49.799	.29876
#2	.12223	.15493	.84073	30.892	.61036	33.811	.31847	.61577	49.268	.29546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.2686**	**.30239**	**.14311**	**.29964**	**1.2312**	**10.934**	**1.2196**	**.65082**	**.60141**	**.63238**
Stddev	.0176	.00286	.00601	.00163	.0046	.035	.0044	.00230	.01963	.02200
%RSD	.28015	.94590	4.1981	.54441	.37151	.31728	.36034	.35359	3.2638	3.4785
#1	6.2810	.30441	.14736	.30080	1.2344	10.958	1.2227	.65245	.58753	.61682
#2	6.2562	.30037	.13886	.29849	1.2279	10.909	1.2165	.64919	.61529	.64793
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.2111**	**1.2933**	**.31710**	**.31815**	**.31001**
Stddev	.0064	.0659	.00907	.01038	.00329
%RSD	.53141	5.0963	2.8610	3.2613	1.0602
#1	1.2157	1.2466	.31068	.31081	.31233
#2	1.2066	1.3399	.32351	.32548	.30768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4914.0**	**71971.**	**5251.2**
Stddev	1.5	1341.	.5
%RSD	.03024	1.8629	.00944
#1	4913.0	72919.	5250.8
#2	4915.1	71023.	5251.5

Sample Name: 280-19417-a-2-a Acquired: 8/25/2011 21:25:21 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00014	-.00008	.00162	.00164	-.00073	-.00004	.00128	.01304	.00011	.00007
Stddev	.00035	.00015	.00088	.00005	.00021	.00002	.00071	.00483	.00016	.00004
%RSD	256.53	175.96	54.197	2.9054	29.108	67.984	55.141	37.035	141.56	54.962
#1	-.00011	-.00019	.00100	.00167	-.00058	-.00005	.00178	.01646	.00000	.00010
#2	.00039	.00002	.00224	.00160	-.00088	-.00002	.00078	.00963	.00022	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	-.00158	-.00082	-.01179	.00378	-.00027	.00004	.00172	.07234	-.00033
Stddev	.00023	.00022	.00067	.00603	.00125	.00052	.00001	.00058	.00416	.00013
%RSD	106.88	14.194	82.010	51.176	32.982	191.62	30.316	33.619	5.7555	39.325
#1	.00038	-.00174	-.00034	-.00752	.00290	-.00064	.00003	.00131	.07529	-.00024
#2	.00005	-.00142	-.00129	-.01605	.00467	.00010	.00005	.00213	.06940	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00044	-.00076	.01111	-.00094	.00338	.01541	-.00022	.00036	-.00118	.00078
Stddev	.00198	.00012	.00223	.00049	.00127	.01744	.00025	.00001	.00105	.00018
%RSD	452.60	15.571	20.041	52.073	37.503	113.18	116.87	3.0162	88.467	22.846
#1	-.00183	-.00067	.01268	-.00129	.00249	.02773	-.00039	.00037	-.00192	.00065
#2	.00096	-.00084	.00953	-.00059	.00428	.00308	-.00004	.00035	-.00044	.00090
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00268	.01990	-.00028	.00125	.00480
Stddev	.00182	.00562	.00048	.00009	.00017
%RSD	67.887	28.226	170.47	7.4921	3.5346
#1	.00139	.02387	-.00062	.00132	.00492
#2	.00396	.01593	.00006	.00118	.00468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	5077.2	76544.	5240.9
Stddev	5.5	766.	35.5
%RSD	.10783	1.0002	.67655
#1	5073.4	77085.	5215.8
#2	5081.1	76002.	5265.9

Sample Name: CCVH-940568 Acquired: 8/25/2011 21:28:41 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02128**	**49.604**	**-.00567**	**.00211**	**.00019**	**.00003**	**1.0199**	**.02676**	**-.00117**	**.00219**	**.00014**	**-.00160**	**50.530**
Stddev	.00045	.198	.00417	.00031	.00006	.00006	.0011	.00469	.00017	.00028	.00011	.00001	.037
%RSD	2.1246	.39911	73.648	14.806	32.004	214.76	.10478	17.536	14.304	12.662	74.646	.89541	.07320
#1	-.02160	49.464	-.00272	.00189	.00015	.00007	1.0191	.03008	-.00128	.00238	.00022	-.00161	50.556
#2	-.02096	49.744	-.00862	.00233	.00024	-.00001	1.0206	.02345	-.00105	.00199	.00007	-.00159	50.504
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08195**	**.00646**	**-.10377**	**.00086**	**-.00158**	**263.31**	**.00081**	**.00084**	**-.00303**	**5.0026**	**-.01141**	**.01470**	**.02932**
Stddev	.00222	.00076	.00004	.00004	.00049	.87	.00045	.00080	.00190	.0025	.00057	.00121	.01580
%RSD	2.7056	11.703	.03801	4.4206	30.776	.33229	56.262	95.605	62.681	.04908	5.0264	8.2398	53.914
#1	.08352	.00700	-.10374	.00083	-.00192	262.69	.00113	.00140	-.00168	5.0009	-.01100	.01384	.04049
#2	.08038	.00593	-.10380	.00088	-.00123	263.92	.00049	.00027	-.00437	5.0043	-.01181	.01555	.01814
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00093**	**.00044**	**4.9996**	**.00214**	**.00282**	**10.534**	**-.00890**	**.00458**	**.01539**
Stddev	.00016	.00016	.0059	.00004	.00152	.029	.00025	.00087	.00353
%RSD	16.806	36.628	.11831	1.7528	54.007	.27944	2.8566	18.993	22.953
#1	.00104	.00056	5.0038	.00211	.00174	10.513	-.00872	.00519	.01289
#2	.00082	.00033	4.9954	.00217	.00390	10.554	-.00908	.00396	.01789
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3945.2**	**57833.**	**4342.4**
Stddev	8.1	13.	11.8
%RSD	.20470	.02272	.27217
#1	3950.9	57842.	4350.7
#2	3939.5	57824.	4334.0

Sample Name: CCV-940591 Acquired: 8/25/2011 21:31:13 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53650**	**.52360**	**1.0316**	**.51735**	**.52116**	**.50229**	**.00394**	**4.9726**	**.52254**	**.51601**	**.51474**	**.52645**	**2.4969**
Stddev	.00014	.00332	.0009	.00048	.00127	.00090	.00238	.0095	.00048	.00024	.00050	.00004	.0055
%RSD	.02593	.63474	.09039	.09282	.24296	.18004	60.324	.19003	.09205	.04719	.09659	.00679	.21857
#1	.53641	.52595	1.0309	.51769	.52026	.50165	.00226	4.9659	.52220	.51618	.51439	.52643	2.4931
#2	.53660	.52125	1.0322	.51701	.52205	.50293	.00562	4.9793	.52288	.51584	.51509	.52648	2.5008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.909**	**1.0150**	**20.969**	**.52139**	**.51397**	**5.3099**	**.51234**	**1.0030**	**1.0424**	**.00141**	**1.0255**	**1.0289**	**4.9206**
Stddev	.119	.0048	.044	.00046	.00108	.0255	.00006	.0036	.0006	.00099	.0014	.0052	.0539
%RSD	.23278	.46995	.20894	.08916	.21001	.48089	.01133	.35518	.05446	70.372	.13674	.50277	1.0961
#1	50.825	1.0184	21.000	.52172	.51474	5.3279	.51230	1.0055	1.0428	.00210	1.0245	1.0252	4.8824
#2	50.993	1.0116	20.938	.52107	.51321	5.2918	.51238	1.0004	1.0420	.00071	1.0265	1.0325	4.9587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0269**	**.52118**	**-.00287**	**.50762**	**1.0541**	**.06443**	**.52545**	**.52418**	**.50629**
Stddev	.0019	.00000	.00118	.00053	.0025	.03492	.00094	.00008	.00013
%RSD	.18114	.00028	40.969	.10511	.24143	54.194	.17806	.01494	.02637
#1	1.0282	.52118	-.00370	.50800	1.0559	.08912	.52612	.52424	.50638
#2	1.0255	.52118	-.00204	.50724	1.0523	.03974	.52479	.52413	.50619
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4015.9**	**59543.**	**4354.6**
Stddev	1.3	91.	7.7
%RSD	.03322	.15204	.17700
#1	4014.9	59479.	4349.2
#2	4016.8	59607.	4360.1

Sample Name: CCB Acquired: 8/25/2011 21:33:37 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00018**	**.00151**	W **.00176**	**-.00021**	**.00006**	**.00003**	**.00154**	**.00032**	**.00035**	**.00021**
Stddev	.00031	.00141	.00054	.00041	.00039	.00000	.00075	.00238	.00011	.00017	.00009
%RSD	61.857	802.41	36.068	23.094	182.44	6.2480	2336.9	154.30	36.063	47.211	42.864
#1	.00073	.00117	.00190	.00147	.00006	.00006	.00056	.00323	.00023	.00023	.00015
#2	.00029	-.00082	.00113	.00205	-.00049	.00006	-.00050	-.00014	.00040	.00047	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00086**	**-.00199**	**.05462**	W **.00289**	**.00245**	**.00006**	**.00272**	**.04359**	**.00015**	**-.00282**	**-.00160**
Stddev	.00018	.00155	.02598	.00110	.00127	.00001	.00068	.00377	.00003	.00047	.00124
%RSD	20.383	77.889	47.555	37.877	51.906	15.432	25.070	8.6561	17.285	16.661	77.554
#1	.00098	-.00089	.03625	.00212	.00155	.00005	.00224	.04626	.00013	-.00315	-.00072
#2	.00074	-.00308	.07299	.00367	.00335	.00007	.00320	.04092	.00016	-.00249	-.00247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00537**	F **.00801**	W **.00744**	**.01936**	**.00063**	**.00020**	**-.00170**	**.00054**	**.00084**	F **.05782**	**.00042**
Stddev	.00482	.00077	.00004	.01962	.00023	.00008	.00082	.00040	.00003	.01654	.00027
%RSD	89.677	9.5567	.54946	101.34	36.835	37.539	48.284	73.822	4.1503	28.604	63.213
#1	.00878	.00747	.00741	.03323	.00047	.00026	-.00229	.00082	.00081	.04613	.00023
#2	.00197	.00856	.00747	.00549	.00080	.00015	-.00112	.00026	.00086	.06951	.00061
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		.00628	.00486							.05000	
Low Limit		-.00628	-.00486							-.05000	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00174**	F **.00522**
Stddev	.00037	.00008
%RSD	21.429	1.4743
#1	.00200	.00517
#2	.00147	.00528
Check ?	Chk Pass	Chk Fail
High Limit		.00476
Low Limit		-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4068.2**	**61046.**	**4335.7**
Stddev	.4	56.	22.1
%RSD	.00988	.09253	.50871
#1	4067.9	61006.	4320.2
#2	4068.5	61086.	4351.3

Sample Name: CCVL942742 Acquired: 8/25/2011 21:36:14 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01105**	**.10662**	W **.01155**	**.10256**	**.01012**	**.00090**	F **.13544**	**.19967**	**.00566**	**.01051**	**.01045**
Stddev	.00004	.00007	.00010	.00058	.00043	.00011	.00226	.00066	.00012	.00014	.00008
%RSD	.31716	.06238	.83101	.57015	4.2943	12.469	1.6685	.33262	2.0328	1.3725	.76379
#1	.01108	.10667	.01148	.10297	.00981	.00082	.13704	.19920	.00558	.01061	.01051
#2	.01103	.10657	.01161	.10214	.01042	.00098	.13384	.20014	.00574	.01041	.01039
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01500				.10000				
Range			-20.000%				30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01716**	**.09448**	**3.1399**	W **.01299**	**.22037**	**.01079**	**.01984**	**1.0972**	**.04185**	**2.8950**	**.00845**
Stddev	.00005	.00145	.0252	.00617	.00039	.00005	.00026	.0058	.00016	.0009	.00024
%RSD	.26993	1.5401	.80243	47.497	.17484	.43280	1.3191	.52620	.38834	.03165	2.8745
#1	.01719	.09550	3.1221	.00863	.22010	.01076	.01966	1.0931	.04173	2.8943	.00828
#2	.01713	.09345	3.1577	.01736	.22064	.01082	.02003	1.1013	.04196	2.8956	.00862
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00109**	**.00934**	**.01232**	**.47351**	**.10128**	**.01062**	**.01383**	**.01033**	**.01772**	F **.11173**	**.01031**
Stddev	.00045	.00084	.00082	.00648	.00045	.00011	.00127	.00020	.00110	.02589	.00047
%RSD	40.852	8.9632	6.6738	1.3693	.44818	1.0109	9.2083	1.9556	6.2113	23.173	4.5710
#1	.00078	.00875	.01290	.46893	.10096	.01054	.01473	.01048	.01694	.09342	.00998
#2	.00141	.00993	.01174	.47810	.10160	.01069	.01293	.01019	.01850	.13003	.01065
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value										.06000	
Range										30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02311**	**.01733**
Stddev	.00004	.00170
%RSD	.19186	9.7946
#1	.02314	.01613
#2	.02308	.01853
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4129.0**	**61652.**	**4430.9**
Stddev	4.6	75.	6.9
%RSD	.11260	.12228	.15655
#1	4132.3	61705.	4426.0
#2	4125.7	61599.	4435.8

Sample Name: mb 280-82828/1-a Acquired: 8/25/2011 21:38:55 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.01298**	**.00024**	F **.01041**	**.00063**	**.00001**	**.00410**	W **.10548**	**.00029**	**-.00020**
Stddev	.0006	.00015	.00340	.00001	.00006	.00004	.00167	.00297	.00037	.00014
%RSD	124950.	1.1685	1393.8	.05095	9.6844	365.24	40.726	2.8154	125.31	69.317
#1	.00041	.01287	.00264	.01041	.00059	-.00002	.00528	.10757	.00003	-.00030
#2	-.00041	.01308	-.00216	.01041	.00067	.00004	.00292	.10338	.00055	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit				.01000				.10000		
Low Limit				-.01000				-.10000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00230**	W **.03856**	**.18179**	**-.00125**	**.02409**	**.00078**	**.00016**	**.15526**	**.00088**
Stddev	.00001	.00009	.00042	.03689	.00194	.00030	.00000	.00015	.01520	.00037
%RSD	1.8802	3.7033	1.0909	20.294	155.20	1.2324	.23842	93.921	9.7913	42.000
#1	.00055	.00224	.03886	.20788	-.00262	.02388	.00078	.00005	.16601	.00062
#2	.00054	.00236	.03826	.15571	.00012	.02430	.00078	.00027	.14451	.00114
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.03000							
Low Limit			-.05000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00712**	**-.00022**	**.03832**	**-.00099**	**.00056**	W **.06768**	**.00683**	**.00041**	**-.00218**	**.00103**
Stddev	.00072	.00186	.00307	.00235	.00241	.00516	.00109	.00000	.00178	.00056
%RSD	10.143	843.51	8.0181	238.40	429.99	7.6204	15.987	.40745	81.534	54.583
#1	.00661	-.00154	.03615	-.00265	.00227	.07132	.00606	.00041	-.00092	.00143
#2	.00764	.00109	.04049	.00068	-.00115	.06403	.00760	.00041	-.00344	.00063
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00500					.05000				
Low Limit	-.00500					-.05000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.03066**	**-.00030**	W **.00578**	**.00064**
Stddev	.00024	.01693	.00005	.00030	.00176
%RSD	37.545	55.232	16.691	5.2730	276.93
#1	.00046	.01868	-.00026	.00600	.00188
#2	.00079	.04263	-.00033	.00556	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				.00500	
Low Limit				-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4108.1**	**62233.**	**4482.7**
Stddev	1.8	127.	9.8
%RSD	.04360	.20414	.21852
#1	4106.8	62143.	4475.8
#2	4109.4	62322.	4489.6

Sample Name: lcs 280-82828/2-a Acquired: 8/25/2011 21:41:31 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04848**	**1.8738**	**.98216**	**1.0227**	**2.0031**	**.04803**	F **2.2775**	**46.837**	**.10248**	**.47962**
Stddev	.00026	.0240	.00014	.0001	.0005	.00007	.0003	.005	.00017	.00067
%RSD	.53891	1.2793	.01411	.00836	.02319	.15303	.01430	.01079	.16275	.13888
#1	.04866	1.8908	.98225	1.0226	2.0035	.04798	2.2773	46.840	.10260	.48010
#2	.04829	1.8569	.98206	1.0228	2.0028	.04808	2.2778	46.833	.10237	.47915
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19545**	**.25272**	**.96606**	**49.256**	**.97801**	**48.866**	**.48894**	**1.0100**	**50.904**	**.47558**
Stddev	.00027	.00038	.00191	.030	.00088	.018	.00008	.0004	.094	.00023
%RSD	.13631	.14856	.19735	.05995	.09043	.03660	.01599	.04028	.18424	.04922
#1	.19563	.25246	.96741	49.236	.97864	48.879	.48900	1.0097	50.970	.47575
#2	.19526	.25299	.96472	49.277	.97739	48.854	.48889	1.0103	50.837	.47542
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6523**	**.48568**	**.04524**	**.48980**	**1.9321**	**2.8696**	**1.9827**	**1.0050**	**.95228**	**1.0159**
Stddev	.0184	.00160	.00191	.00163	.0080	.0221	.0014	.0004	.00215	.0013
%RSD	.19018	.32967	4.2122	.33330	.41656	.76997	.07238	.04259	.22594	.12282
#1	9.6653	.48455	.04659	.49095	1.9377	2.8540	1.9817	1.0047	.95380	1.0168
#2	9.6394	.48682	.04390	.48864	1.9264	2.8852	1.9837	1.0053	.95076	1.0150
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9541**	**2.1161**	**.50136**	**.48955**	**.50218**
Stddev	.0059	.0043	.00085	.00062	.00294
%RSD	.30382	.20532	.16860	.12609	.58448
#1	1.9583	2.1191	.50196	.48911	.50010
#2	1.9499	2.1130	.50077	.48999	.50425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3948.5**	**58557.**	**4399.3**
Stddev	.3	26.	11.7
%RSD	.00731	.04375	.26612
#1	3948.7	58575.	4391.0
#2	3948.3	58539.	4407.5

Sample Name: 280-19387-b-1-e Acquired: 8/25/2011 21:43:52 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**253.08**	**.07051**	**.11888**	**2.2501**	**.01359**	**.00412**	**67.038**	**.00861**	**.08473**
Stddev	.00006	.57	.00337	.00056	.0045	.00022	.00182	.180	.00036	.00047
%RSD	17.314	.22682	4.7821	.47365	.20167	1.6279	44.306	.26820	4.1631	.54917
#1	.00038	252.67	.07289	.11848	2.2469	.01343	.00541	66.911	.00836	.08441
#2	.00030	253.48	.06812	.11928	2.2533	.01374	.00283	67.165	.00887	.08506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24984**	**.29263**	**251.96**	**76.483**	**.24499**	**95.591**	**5.4470**	**.00666**	**2.5626**	**.22886**
Stddev	.00034	.00022	.70	.252	.00258	.094	.0482	.00129	.0124	.00025
%RSD	.13455	.07638	.27822	.32963	1.0519	.09808	.88490	19.342	.48553	.10845
#1	.25007	.29247	251.46	76.305	.24316	95.657	5.4129	.00575	2.5538	.22904
#2	.24960	.29279	252.46	76.661	.24681	95.525	5.4811	.00757	2.5714	.22868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.032**	**.20210**	**1.9528**	**-.00706**	**.00674**	**3.8252**	**-.00102**	**.45052**	**.10213**	**7.9019**
Stddev	.045	.00137	.0018	.00057	.00386	.0116	.00024	.00093	.00011	.0076
%RSD	.31969	.68017	.09088	8.0080	57.247	.30437	23.924	.20749	.10353	.09589
#1	14.064	.20113	1.9541	-.00666	.00401	3.8334	-.00120	.44986	.10221	7.9072
#2	14.000	.20307	1.9516	-.00746	.00947	3.8170	-.00085	.45118	.10206	7.8965
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00685**	**.01698**	**.13393**	**1.1693**	**.75277**
Stddev	.00133	.00481	.00079	.0032	.00172
%RSD	19.447	28.316	.59088	.27342	.22900
#1	.00590	.01358	.13449	1.1716	.75155
#2	.00779	.02038	.13337	1.1671	.75399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4747.0**	**68273.**	**5461.2**
Stddev	6.2	246.	22.7
%RSD	.13107	.35998	.41523
#1	4742.6	68099.	5477.2
#2	4751.4	68447.	5445.1

Sample Name: 280-19387-b-2-g Acquired: 8/25/2011 21:47:11 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**257.94**	**.06827**	**.11934**	**2.3254**	**.01391**	**.00504**	**68.186**	**.00866**	**.08799**
Stddev	.00025	.42	.00050	.00054	.0037	.00007	.00146	.084	.00005	.00014
%RSD	233.21	.16248	.73439	.45270	.15694	.47292	29.084	.12391	.57920	.15940
#1	-.00007	258.23	.06792	.11972	2.3280	.01396	.00400	68.246	.00863	.08789
#2	.00029	257.64	.06863	.11896	2.3229	.01387	.00607	68.126	.00870	.08809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25483**	**.29856**	**258.95**	**77.417**	**.24642**	**97.926**	**5.6532**	**.00279**	**2.6151**	**.23425**
Stddev	.00081	.00146	.94	.049	.00000	.302	.0108	.00000	.0047	.00031
%RSD	.31814	.48904	.36410	.06359	.00004	.30879	.19095	.06716	.17991	.13034
#1	.25426	.29959	259.62	77.452	.24642	98.140	5.6456	.00279	2.6184	.23447
#2	.25540	.29753	258.28	77.382	.24642	97.712	5.6608	.00279	2.6117	.23404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.425**	**.20639**	**1.9957**	**-.00828**	**-.00274**	**4.4073**	**-.00112**	**.45825**	**.09017**	**8.0610**
Stddev	.018	.00018	.0005	.00036	.00212	.0320	.00038	.00029	.00113	.0171
%RSD	.12640	.08681	.02692	4.3935	77.330	.72680	33.768	.06306	1.2486	.21245
#1	14.412	.20626	1.9961	-.00802	-.00425	4.4300	-.00138	.45845	.09096	8.0732
#2	14.438	.20651	1.9953	-.00853	-.00124	4.3847	-.00085	.45804	.08937	8.0489
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00460**	**.02323**	**.12430**	**1.1919**	**.78071**
Stddev	.00021	.01967	.00287	.0020	.00167
%RSD	4.5202	84.642	2.3126	.16928	.21417
#1	.00475	.00933	.12633	1.1933	.77952
#2	.00445	.03714	.12227	1.1904	.78189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4764.7**	**68346.**	**5459.6**
Stddev	12.0	231.	26.3
%RSD	.25143	.33772	.48225
#1	4773.2	68183.	5441.0
#2	4756.2	68509.	5478.2

Sample Name: 280-19387-e-3-i Acquired: 8/25/2011 21:50:28 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**163.94**	**.05530**	**.09011**	**1.8342**	**.00913**	**.00275**	**59.775**	**.00667**	**.07085**
Stddev	.00025	.23	.00025	.00149	.0011	.00004	.00110	.102	.00033	.00019
%RSD	247.04	.13748	.45808	1.6521	.06021	.38597	39.958	.17027	4.9142	.26263
#1	.00007	163.78	.05548	.09116	1.8334	.00915	.00353	59.703	.00644	.07071
#2	-.00027	164.10	.05512	.08906	1.8350	.00910	.00197	59.847	.00690	.07098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19726**	**.21764**	**177.04**	**43.149**	**.14417**	**61.219**	**5.1884**	**.00417**	**1.5341**	**.18263**
Stddev	.00019	.00033	.03	.097	.00141	.161	.0037	.00002	.0018	.00034
%RSD	.09509	.15073	.01528	.22486	.97633	.26304	.07142	.37257	.11667	.18503
#1	.19712	.21787	177.06	43.080	.14517	61.333	5.1858	.00418	1.5329	.18239
#2	.19739	.21740	177.02	43.218	.14318	61.105	5.1910	.00416	1.5354	.18287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.3372**	**.15776**	**2.2799**	**-.00551**	**.00176**	**2.8097**	**.00001**	**.30310**	**.06708**	**5.7939**
Stddev	.0114	.00048	.0076	.00005	.00389	.0035	.00076	.00039	.00017	.0090
%RSD	.12216	.30658	.33192	.91865	221.33	.12315	7443.7	.13029	.25736	.15485
#1	9.3292	.15742	2.2746	-.00547	.00450	2.8072	-.00053	.30282	.06696	5.8002
#2	9.3453	.15811	2.2853	-.00554	-.00099	2.8121	.00055	.30338	.06721	5.7876
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00376**	**-.00515**	**.08395**	**.77580**	**.44852**
Stddev	.00040	.00073	.00103	.00425	.00317
%RSD	10.636	14.208	1.2325	.54726	.70723
#1	.00348	-.00463	.08322	.77881	.44628
#2	.00404	-.00567	.08469	.77280	.45076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4566.8**	**66240.**	**5242.9**
Stddev	5.9	273.	4.3
%RSD	.12897	.41166	.08230
#1	4571.0	66047.	5246.0
#2	4562.6	66433.	5239.9

Sample Name: 280-19387-e-3-iSD@5 Acquired: 8/25/2011 21:52:59 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00075**	**39.529**	k **.01220**	**.02239**	k **.44004**	k **.00190**	k **-.00231**	**14.330**	k **.00190**	k **.01963**
Stddev	.00008	.064	.00118	.00015	.00034	.00001	.00250	.033	.00032	.00031
%RSD	11.017	.16302	9.7064	.66037	.07715	.43547	107.99	.22843	16.806	1.5598
#1	k .00069	39.575	k .01136	.02249	k .43980	k .00190	k -.00408	14.353	k .00213	k .01941
#2	k .00080	39.484	k .01304	.02228	k .44028	k .00191	k -.00055	14.306	k .00168	k .01984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04765**	k **.05038**	k **43.164**	**10.316**	**.03513**	k **14.663**	**1.2606**	**.00082**	**.34757**	**.04436**
Stddev	.00008	.00021	.107	.053	.00142	.053	.0040	.00024	.01652	.00027
%RSD	.16200	.42532	.24710	.51741	4.0276	.36114	.31504	29.710	4.7540	.60859
#1	.04759	k .05022	k 43.240	10.279	.03413	14.700	1.2634	.00065	.35925	.04456
#2	.04770	k .05053	k 43.089	10.354	.03614	k 14.625	1.2578	.00099	.33588	.04417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.2197**	k **.03818**	**.53332**	k **-.00153**	k **-.00346**	**.65534**	k **-.00173**	**.07319**	k **.05332**	k **1.3461**
Stddev	.0071	.00276	.00172	.00011	.00336	.02467	.00058	.00038	.00083	.0013
%RSD	.31881	7.2414	.32262	7.3185	97.182	3.7642	33.448	.52497	1.5603	.09398
#1	2.2247	k .04013	.53210	k -.00161	k -.00583	.63790	k -.00214	.07347	k .05391	k 1.3470
#2	2.2147	k .03622	.53453	k -.00145	k -.00108	.67278	k -.00132	.07292	k .05273	k 1.3452
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **.00050**	k **-.00044**	k **.02960**	**.18617**	k **.10893**
Stddev	.00041	.01809	.00047	.00136	.00044
%RSD	81.916	4155.8	1.6041	.73299	.40446
#1	k .00079	k -.01322	k .02994	.18714	k .10924
#2	k .00021	k .01235	k .02926	.18521	k .10861
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4152.4**	**61548.**	**4541.9**
Stddev	7.3	274.	9.7
%RSD	.17461	.44501	.21427
#1	4147.3	61355.	4548.8
#2	4157.5	61742.	4535.0

Sample Name: 280-19387-e-3-j ms Acquired: 8/25/2011 21:55:34 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04268**	**209.08**	**.89681**	**.88712**	**3.6840**	**.05034**	**1.9447**	**101.15**	**.09494**	**.47443**
Stddev	.00000	.15	.00390	.00107	.0024	.00014	.0020	.01	.00022	.00029
%RSD	.00862	.07315	.43476	.12029	.06373	.27243	.10266	.00995	.22805	.06076
#1	.04268	208.98	.89956	.88636	3.6824	.05024	1.9461	101.16	.09479	.47422
#2	.04268	209.19	.89405	.88787	3.6857	.05044	1.9433	101.14	.09509	.47463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40746**	**.43827**	**185.30**	**94.818**	**.99230**	**108.46**	**5.5892**	**.79333**	**46.583**	**.58661**
Stddev	.00028	.00173	.28	.002	.00011	.44	.0570	.00026	.428	.00000
%RSD	.06922	.39522	.15185	.00184	.01128	.40442	1.0193	.03240	.91927	.00008
#1	.40766	.43705	185.50	94.819	.99238	108.15	5.5489	.79352	46.280	.58662
#2	.40726	.43950	185.10	94.817	.99222	108.77	5.6294	.79315	46.886	.58661
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.608**	**.55904**	**2.2600**	**.10268**	**1.6412**	**5.2397**	**1.5016**	**1.2076**	**.89205**	**8.5770**
Stddev	.018	.00032	.0055	.00126	.0028	.0826	.0005	.0001	.00004	.0376
%RSD	.10063	.05648	.24286	1.2225	.16818	1.5763	.03060	.00412	.00501	.43878
#1	17.596	.55882	2.2561	.10180	1.6431	5.1813	1.5019	1.2076	.89208	8.5504
#2	17.621	.55927	2.2639	.10357	1.6392	5.2981	1.5012	1.2077	.89202	8.6037
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.5828**	**1.7681**	**.59342**	**1.2176**	**.90257**
Stddev	.0030	.0215	.00352	.0044	.00090
%RSD	.18995	1.2169	.59373	.36082	.09924
#1	1.5849	1.7833	.59093	1.2145	.90320
#2	1.5807	1.7529	.59591	1.2208	.90193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4486.8**	**64722.**	**5186.0**
Stddev	4.3	316.	2.2
%RSD	.09649	.48768	.04236
#1	4483.7	64945.	5184.4
#2	4489.8	64499.	5187.5

Sample Name: 280-19387-e-3-k msd Acquired: 8/25/2011 21:58:44 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04324**	**207.72**	**.89996**	**.89995**	**3.6713**	**.05073**	**1.9449**	**101.85**	**.09510**	**.47443**
Stddev	.00035	.09	.00159	.00124	.0016	.00009	.0031	.06	.00008	.00054
%RSD	.80228	.04102	.17656	.13798	.04446	.17680	.15692	.05543	.08088	.11376
#1	.04349	207.78	.90108	.90082	3.6725	.05066	1.9471	101.89	.09515	.47481
#2	.04299	207.66	.89883	.89907	3.6702	.05079	1.9427	101.81	.09505	.47405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40380**	**.43942**	**184.30**	**94.763**	**.99699**	**108.00**	**5.5431**	**.80730**	**46.598**	**.58722**
Stddev	.00081	.00078	.05	.072	.00636	.30	.0361	.00107	.239	.00053
%RSD	.20029	.17724	.02738	.07637	.63790	.27692	.65113	.13302	.51362	.09111
#1	.40438	.43997	184.33	94.814	1.0015	108.21	5.5686	.80806	46.767	.58760
#2	.40323	.43887	184.26	94.711	.99249	107.79	5.5176	.80654	46.429	.58685
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.460**	**.56233**	**2.2451**	**.10753**	**1.6535**	**5.2348**	**1.5234**	**1.2085**	**.89164**	**8.4653**
Stddev	.042	.00078	.0105	.00057	.0007	.0581	.0029	.0001	.00205	.0234
%RSD	.24006	.13816	.46643	.52734	.04360	1.1105	.19372	.00441	.23028	.27597
#1	17.490	.56288	2.2525	.10793	1.6540	5.2759	1.5255	1.2085	.89309	8.4819
#2	17.431	.56178	2.2377	.10713	1.6530	5.1937	1.5213	1.2084	.89019	8.4488
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.5849**	**1.7670**	**.58563**	**1.2120**	**.90805**
Stddev	.0055	.0050	.00144	.0038	.00121
%RSD	.34623	.28307	.24617	.31472	.13369
#1	1.5888	1.7705	.58665	1.2147	.90719
#2	1.5810	1.7634	.58461	1.2093	.90891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4498.0**	**64850.**	**5159.1**
Stddev	4.3	80.	4.9
%RSD	.09478	.12378	.09462
#1	4495.0	64793.	5155.7
#2	4501.0	64907.	5162.6

Sample Name: 280-19387-e-3-iPDS Acquired: 8/25/2011 22:01:56 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82828 SOIL 6010B Q3

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03715**	**162.62**	**.23961**	**.17568**	**1.9126**	**.05291**	**.00030**	**76.188**	**.05436**	**.11419**
Stddev	.00064	.23	.00074	.00081	.0040	.00008	.00210	.063	.00006	.00053
%RSD	1.7200	.14141	.30989	.46299	.21126	.15870	706.49	.08233	.10131	.46091
#1	.03670	162.78	.24013	.17625	1.9154	.05297	-.00119	76.232	.05440	.11456
#2	.03760	162.45	.23908	.17510	1.9097	.05285	.00178	76.143	.05432	.11382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24071**	**.26343**	**176.49**	**61.473**	**.23324**	**79.125**	**5.1647**	**.04811**	**21.406**	**.22431**
Stddev	.00008	.00047	.46	.078	.00374	.068	.0158	.00025	.190	.00018
%RSD	.03338	.17891	.26237	.12715	1.6048	.08632	.30614	.51356	.88733	.08159
#1	.24076	.26376	176.82	61.529	.23059	79.077	5.1535	.04794	21.540	.22444
#2	.24065	.26309	176.16	61.418	.23588	79.173	5.1759	.04829	21.272	.22418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.979**	**.24632**	**2.2568**	**.07958**	**.17981**	**6.8290**	**.08419**	**.34743**	**.25261**	**5.7778**
Stddev	.037	.00030	.0009	.00041	.00011	.1347	.00065	.00062	.00149	.0063
%RSD	.33293	.12238	.03936	.51221	.06033	1.9730	.77635	.17810	.58804	.10814
#1	11.005	.24653	2.2562	.07987	.17973	6.9243	.08372	.34787	.25366	5.7734
#2	10.953	.24610	2.2575	.07930	.17988	6.7338	.08465	.34699	.25156	5.7822
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.17949**	**.48543**	**.13789**	**.95417**	**.48284**
Stddev	.00297	.01934	.00090	.00300	.00114
%RSD	1.6565	3.9833	.65072	.31427	.23701
#1	.18159	.47176	.13853	.95205	.48365
#2	.17739	.49911	.13726	.95629	.48203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4521.2**	**65389.**	**5192.2**
Stddev	.8	144.	8.4
%RSD	.01712	.22005	.16197
#1	4520.7	65491.	5198.1
#2	4521.8	65287.	5186.3

Sample Name: CCVH-940568 Acquired: 8/25/2011 22:04:26 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02094**	**49.639**	**-.00133**	**.00251**	**.00019**	**-.00012**	**1.0184**	**.03844**	**-.00090**	**.00213**	**.00031**	**-.00097**	**50.716**
Stddev	.00087	.251	.00210	.00041	.00004	.00002	.0001	.00284	.00019	.00004	.00020	.00029	.401
%RSD	4.1561	.50633	157.61	16.347	19.211	14.254	.00956	7.3854	21.022	1.9987	65.175	29.855	.78972
#1	-.02032	49.461	.00015	.00222	.00021	-.00011	1.0185	.04044	-.00077	.00210	.00017	-.00076	50.433
#2	-.02155	49.817	-.00282	.00280	.00016	-.00013	1.0184	.03643	-.00104	.00216	.00046	-.00117	50.999
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22282**	**.00373**	**-.09571**	**.00135**	**-.00160**	**263.37**	**.00144**	**.00566**	**-.00066**	**5.0184**	**-.01072**	**.01261**	**.03175**
Stddev	.03692	.00120	.00285	.00009	.00007	.62	.00008	.00481	.00086	.0164	.00084	.00251	.03811
%RSD	16.569	32.113	2.9766	6.8277	4.3875	.23568	5.5684	84.966	131.59	.32606	7.8472	19.875	120.05
#1	.19671	.00288	-.09370	.00141	-.00165	262.93	.00138	.00226	-.00127	5.0300	-.01132	.01439	.05870
#2	.24893	.00458	-.09772	.00128	-.00155	263.81	.00149	.00906	-.00005	5.0068	-.01013	.01084	.00480
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00154**	**.00051**	**5.0050**	**.00498**	**.00254**	**10.563**	**-.00880**	**.00470**	**.01425**
Stddev	.00032	.00010	.0057	.00004	.00032	.037	.00029	.00020	.00239
%RSD	20.453	20.438	.11360	.80992	12.446	.35349	3.2836	4.3635	16.809
#1	.00132	.00059	5.0009	.00501	.00277	10.537	-.00860	.00484	.01594
#2	.00177	.00044	5.0090	.00495	.00232	10.590	-.00901	.00455	.01255
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3904.9**	**57288.**	**4294.4**
Stddev	3.4	116.	20.7
%RSD	.08682	.20168	.48282
#1	3907.3	57370.	4309.1
#2	3902.5	57206.	4279.8

Sample Name: CCV-940591 Acquired: 8/25/2011 22:06:58 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53348**	**.52609**	**1.0228**	**.51345**	**.51905**	**.49843**	**.00444**	**4.9520**	**.51899**	**.51043**	**.50897**	**.52439**	**2.4803**	**50.731**
Stddev	.00059	.00794	.0014	.00053	.00044	.00074	.00069	.0171	.00065	.00188	.00181	.00032	.0006	.077
%RSD	.11103	1.5090	.13994	.10413	.08401	.14773	15.524	.34532	.12545	.36788	.35532	.06194	.02484	.15189
#1	.53390	.52048	1.0218	.51382	.51875	.49791	.00395	4.9399	.51945	.50910	.50769	.52462	2.4799	50.676
#2	.53306	.53171	1.0238	.51307	.51936	.49895	.00492	4.9641	.51853	.51175	.51025	.52416	2.4807	50.785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0052**	**20.888**	**.51969**	**.51114**	**5.2797**	**.50865**	**.99435**	**1.0340**	**.00201**	**1.0107**	**1.0206**	**4.8588**	**1.0188**	**.51960**
Stddev	.0026	.036	.00040	.00025	.0074	.00018	.00479	.0001	.00147	.0017	.0032	.0064	.0006	.00127
%RSD	.25370	.17363	.07730	.04827	.14002	.03488	.48209	.01358	73.025	.16462	.31891	.13098	.05433	.24516
#1	1.0034	20.914	.51997	.51096	5.2849	.50852	.99096	1.0341	.00097	1.0118	1.0229	4.8633	1.0184	.51870
#2	1.0070	20.863	.51940	.51131	5.2744	.50877	.99774	1.0339	.00305	1.0095	1.0183	4.8543	1.0192	.52050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00123**	**.50919**	**1.0407**	**.04827**	**.52334**	**.52190**	**.50360**
Stddev	.00129	.00096	.0003	.00409	.00095	.00041	.00176
%RSD	104.45	.18845	.03016	8.4635	.18098	.07918	.34911
#1	.00215	.50987	1.0409	.04538	.52401	.52220	.50484
#2	.00032	.50852	1.0405	.05116	.52267	.52161	.50235
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4012.2**	**59120.**	**4298.9**
Stddev	7.8	123.	13.0
%RSD	.19501	.20803	.30132
#1	4017.8	59033.	4308.0
#2	4006.7	59207.	4289.7

Sample Name: CCB Acquired: 8/25/2011 22:09:22 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.00009**	**.00164**	W **.00172**	**-.00015**	**.00006**	**.00258**	**-.00137**	**.00021**	**.00022**	**.00016**
Stddev	.00026	.00022	.00127	.00027	.00027	.00008	.00076	.00043	.00029	.00025	.00040
%RSD	36.499	244.51	77.464	15.569	177.47	143.40	29.602	31.145	139.62	112.54	256.41
#1	.00091	-.00006	.00253	.00191	.00004	.00000	.00312	-.00107	.00000	.00005	-.00013
#2	.00054	.00024	.00074	.00153	-.00035	.00012	.00204	-.00167	.00042	.00040	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00089**	**.00273**	**.11526**	**.00202**	**.00278**	**.00001**	**.00267**	**.00393**	**-.00009**	**-.00137**	**-.00086**
Stddev	.00020	.00117	.01223	.00019	.00257	.00004	.00047	.00946	.00005	.00021	.00109
%RSD	22.994	42.805	10.613	9.1905	92.468	287.16	17.635	240.96	54.690	15.496	126.90
#1	.00104	.00356	.12391	.00215	.00460	.00004	.00233	-.00276	-.00012	-.00152	-.00163
#2	.00075	.00190	.10661	.00189	.00096	-.00001	.00300	.01062	-.00005	-.00122	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00123**	F **.00666**	W **.00660**	**-.00461**	**.00102**	**.00024**	**-.00232**	W **.00096**	**.00202**	F **.05897**	**.00039**
Stddev	.00459	.00010	.00410	.01958	.00099	.00003	.00116	.00010	.00084	.00072	.00006
%RSD	373.19	1.4433	62.007	424.32	96.625	12.940	50.198	10.118	41.491	1.2244	15.131
#1	.00448	.00672	.00371	.00923	.00032	.00022	-.00314	.00089	.00262	.05846	.00035
#2	-.00202	.00659	.00950	-.01846	.00172	.00026	-.00149	.00103	.00143	.05948	.00043
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass
High Limit		.00628	.00486					.00060		.05000	
Low Limit		-.00628	-.00486					-.00060		-.05000	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00193**	W **.00470**
Stddev	.00008	.00170
%RSD	4.2491	36.119
#1	.00198	.00350
#2	.00187	.00590
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4033.5**	**60479.**	**4296.6**
Stddev	1.4	40.	12.1
%RSD	.03421	.06674	.28166
#1	4032.6	60450.	4305.1
#2	4034.5	60507.	4288.0

Sample Name: CCVL942742 Acquired: 8/25/2011 22:15:51 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01081**	**.10702**	**.01675**	**.10232**	**.01001**	**.00095**	F **.13286**	**.20279**	**.00550**	**.01075**	**.01035**
Stddev	.00034	.00095	.00255	.00022	.00009	.00008	.00048	.00121	.00017	.00022	.00001
%RSD	3.1373	.89174	15.246	.21526	.92006	8.3529	.36430	.59820	3.0338	2.0831	.12298
#1	.01057	.10634	.01495	.10216	.00995	.00101	.13320	.20193	.00562	.01091	.01036
#2	.01105	.10769	.01856	.10247	.01008	.00089	.13252	.20364	.00538	.01059	.01034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01703**	**.09840**	**3.1394**	F **.01389**	**.21988**	**.01074**	**.01993**	**1.0525**	**.04197**	**2.9025**	**.00821**
Stddev	.00035	.00191	.0267	.00461	.00057	.00007	.00011	.0126	.00018	.0066	.00102
%RSD	2.0734	1.9402	.85068	33.195	.25774	.69519	.54261	1.1946	.42872	.22706	12.369
#1	.01728	.09705	3.1583	.01715	.21948	.01069	.01985	1.0436	.04209	2.8979	.00749
#2	.01678	.09975	3.1205	.01063	.22028	.01079	.02000	1.0614	.04184	2.9072	.00893
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00849**	W **.01090**	**.49135**	**.10288**	**.01078**	**.01253**	**.01048**	W **.01907**	F **.13191**	**.01055**
Stddev	.00016	.00121	.00242	.00868	.00082	.00026	.00045	.00029	.00075	.00746	.00046
%RSD	83.706	14.217	22.240	1.7670	.79549	2.4082	3.6128	2.7390	3.9450	5.6516	4.3164
#1	.00030	.00934	.00919	.49749	.10346	.01059	.01221	.01027	.01961	.13718	.01023
#2	.00008	.00763	.01262	.48521	.10230	.01096	.01285	.01068	.01854	.12664	.01087
Check ?	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass
Value			.01500						.01500	.06000	
Range			-20.000%						20.000%	30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02302**	W **.01826**
Stddev	.00042	.00080
%RSD	1.8423	4.3632
#1	.02272	.01883
#2	.02332	.01770
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4100.8**	**61516.**	**4350.6**
Stddev	7.0	82.	10.3
%RSD	.17175	.13337	.23764
#1	4105.8	61574.	4343.3
#2	4095.8	61458.	4358.0

Sample Name: mb 280-82738/1-a Acquired: 8/25/2011 22:19:10 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	.00094	-.00257	.00045	-.00064	-.00002	.00010	.00744	.00024	-.00016
Stddev	.00018	.00070	.00132	.00058	.00024	.00007	.00277	.00245	.00003	.00007
%RSD	185.44	74.170	51.350	129.46	38.177	307.87	2860.4	32.863	12.297	42.416
#1	.00022	.00143	-.00351	.00086	-.00081	.00003	.00206	.00917	.00022	-.00021
#2	-.00003	.00045	-.00164	.00004	-.00046	-.00007	-.00186	.00571	.00026	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.00125	.00137	.04083	.00310	.00241	.00072	-.00006	-.01181	-.00022
Stddev	.00011	.00011	.00282	.01172	.00132	.00131	.00004	.00013	.00669	.00024
%RSD	383.22	8.6625	205.92	28.698	42.602	54.358	6.1893	211.25	56.672	109.13
#1	-.00005	.00117	.00336	.03254	.00217	.00148	.00069	.00003	-.01654	-.00005
#2	.00011	.00132	-.00062	.04911	.00404	.00333	.00076	-.00015	-.00708	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00177	-.00100	.00420	-.00143	.00014	-.01367	-.00002	.00000	-.00248	.00048
Stddev	.00099	.00042	.00601	.00125	.00070	.03296	.00026	.00004	.00185	.00004
%RSD	56.028	41.869	143.05	87.699	491.47	241.12	1291.2	14563.	74.632	8.1533
#1	-.00247	-.00129	.00845	-.00232	.00064	.00964	.00016	-.00003	-.00117	.00051
#2	-.00107	-.00070	-.00005	-.00054	-.00035	-.03698	-.00020	.00003	-.00379	.00045
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00025	.04073	-.00042	.00205	.00340
Stddev	.00144	.01834	.00018	.00059	.00207
%RSD	586.72	45.021	41.812	28.526	60.795
#1	-.00126	.02777	-.00030	.00164	.00194
#2	.00077	.05370	-.00054	.00247	.00486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4088.4	61643.	4401.3
Stddev	2.6	30.	28.5
%RSD	.06371	.04790	.64769
#1	4090.3	61622.	4421.5
#2	4086.6	61664.	4381.2

Sample Name: lcs 280-82738/2-a Acquired: 8/25/2011 22:21:47 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05116**	**1.9675**	**1.0575**	**1.0227**	**2.1105**	**.05016**	F **2.4410**	**49.514**	**.10957**	**.51181**
Stddev	.00019	.0150	.0037	.0004	.0057	.00020	.0007	.130	.00028	.00065
%RSD	.36389	.76491	.35107	.03760	.27227	.39469	.02939	.26282	.25553	.12756
#1	.05103	1.9782	1.0601	1.0224	2.1064	.05002	2.4405	49.422	.10938	.51135
#2	.05129	1.9569	1.0549	1.0230	2.1146	.05030	2.4415	49.606	.10977	.51227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20752**	**.26454**	**.97775**	**51.859**	**1.0198**	**52.397**	**.51886**	**1.0460**	**53.672**	**.50467**
Stddev	.00035	.00017	.00636	.123	.0037	.035	.00055	.0002	.790	.00063
%RSD	.17037	.06395	.65033	.23630	.35930	.06722	.10575	.01682	1.4712	.12546
#1	.20777	.26442	.97326	51.772	1.0172	52.422	.51925	1.0459	53.114	.50422
#2	.20727	.26466	.98225	51.946	1.0224	52.372	.51847	1.0461	54.231	.50512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.342**	**.51474**	**-.00757**	**.52465**	**2.1158**	**9.6652**	**2.0598**	**1.0537**	**1.0230**	**1.0541**
Stddev	.001	.00036	.00492	.00272	.0006	.0451	.0062	.0027	.0016	.0026
%RSD	.00514	.06932	64.948	.51857	.03055	.46640	.30246	.25487	.15803	.24202
#1	10.342	.51500	-.00409	.52272	2.1163	9.6334	2.0554	1.0518	1.0241	1.0559
#2	10.341	.51449	-.01105	.52657	2.1153	9.6971	2.0642	1.0556	1.0218	1.0523
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0962**	**2.2360**	**.53565**	**.52306**	**.51615**
Stddev	.0018	.0365	.00032	.00140	.00109
%RSD	.08397	1.6318	.05976	.26705	.21156
#1	2.0949	2.2618	.53542	.52404	.51693
#2	2.0974	2.2102	.53588	.52207	.51538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3903.7**	**57444.**	**4331.8**
Stddev	3.4	81.	12.1
%RSD	.08647	.14029	.27996
#1	3906.1	57387.	4340.4
#2	3901.3	57501.	4323.2

Sample Name: 280-19417-a-1-a Acquired: 8/25/2011 22:24:09 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.49352**	**-.00018**	**.04375**	**.09898**	**.00017**	**.00241**	**7.7138**	**.00039**	**.00089**
Stddev	.00067	.00629	.00167	.00024	.00021	.00009	.00128	.0009	.00019	.00008
%RSD	611.49	1.2742	930.32	.55105	.20986	51.031	52.992	.01132	47.715	9.2733
#1	.00037	.49797	-.00136	.04358	.09883	.00011	.00151	7.7132	.00052	.00083
#2	-.00059	.48908	.00100	.04392	.09913	.00023	.00332	7.7144	.00026	.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00133**	**.00212**	**.39149**	**.37391**	**.00519**	**3.4075**	**.00552**	**.00532**	**30.122**	**.00173**
Stddev	.00024	.00032	.00007	.01588	.00329	.0054	.00001	.00103	.174	.00022
%RSD	18.357	15.097	.01834	4.2459	63.422	.15776	.23310	19.461	.57697	12.596
#1	.00116	.00190	.39144	.36268	.00752	3.4037	.00553	.00459	30.245	.00157
#2	.00150	.00235	.39154	.38514	.00287	3.4113	.00551	.00605	29.999	.00188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02284**	**-.00046**	**.22394**	**.00026**	**.01139**	**7.8149**	**.00109**	**.05832**	**-.00199**	**.01619**
Stddev	.00056	.00023	.00188	.00092	.00108	.0068	.00083	.00005	.00035	.00055
%RSD	2.4550	50.913	.83880	357.59	9.5036	.08730	76.119	.08434	17.450	3.4245
#1	.02244	-.00029	.22262	-.00040	.01062	7.8100	.00050	.05836	-.00174	.01580
#2	.02323	-.00062	.22527	.00091	.01215	7.8197	.00167	.05829	-.00223	.01659
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00213**	**.05140**	**.00093**	**.00230**	**.00239**
Stddev	.00135	.00146	.00042	.00023	.00006
%RSD	63.508	2.8432	44.641	9.8014	2.6805
#1	.00117	.05036	.00123	.00246	.00244
#2	.00308	.05243	.00064	.00214	.00235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4041.2**	**59917.**	**4396.2**
Stddev	22.5	292.	.0
%RSD	.55716	.48703	.00045
#1	4025.3	60124.	4396.2
#2	4057.1	59711.	4396.2

Sample Name: 280-19417-a-1-aSD@5 Acquired: 8/25/2011 22:26:43 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.10929**	**-.00087**	**.00886**	**.01967**	**-.00001**	**.00491**	**1.5722**	**.00030**	**.00009**
Stddev	.00052	.00167	.00110	.00038	.00016	.00004	.00130	.0058	.00005	.00032
%RSD	133.52	1.5321	126.25	4.3121	.80324	432.97	26.572	.37120	15.962	359.08
#1	-.00076	.10811	-.00009	.00913	.01955	-.00004	.00583	1.5681	.00027	.00031
#2	-.00002	.11047	-.00165	.00859	.01978	.00002	.00399	1.5764	.00034	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00125**	**.08067**	**.10420**	**.00365**	**.69753**	**.00154**	**.00029**	**5.7849**	**.00013**
Stddev	.00012	.00044	.00285	.02328	.00064	.00131	.00001	.00010	.0169	.00015
%RSD	116.91	34.810	3.5342	22.343	17.649	.18812	.43408	32.467	.29187	113.84
#1	.00019	.00094	.07865	.12066	.00320	.69846	.00153	.00023	5.7968	.00024
#2	.00002	.00156	.08268	.08774	.00411	.69660	.00154	.00036	5.7730	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00130**	**-.00010**	**.04157**	**-.00241**	**-.00099**	**1.6010**	**-.00020**	**.01184**	**-.00129**	**.00350**
Stddev	.00032	.00080	.00798	.00180	.00363	.0029	.00033	.00003	.00070	.00100
%RSD	24.601	780.85	19.189	74.742	367.87	.18198	163.86	.24143	54.032	28.459
#1	.00152	.00046	.03593	-.00114	.00158	1.6031	.00003	.01182	-.00080	.00420
#2	.00107	-.00067	.04721	-.00368	-.00355	1.5990	-.00044	.01186	-.00179	.00279
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00193**	**.02611**	**.00000**	**.00298**	**.00338**
Stddev	.00084	.04284	.00036	.00018	.00046
%RSD	43.630	164.07	15667.	5.9424	13.705
#1	.00134	-.00418	-.00025	.00286	.00305
#2	.00253	.05641	.00026	.00311	.00371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4068.5**	**60667.**	**4366.0**
Stddev	6.1	222.	1.2
%RSD	.15049	.36587	.02860
#1	4072.8	60510.	4365.2
#2	4064.1	60824.	4366.9

Sample Name: 280-19417-a-1-b ms Acquired: 8/25/2011 22:29:23 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05162**	W **3.0130**	**1.0567**	**1.0663**	**2.2105**	**.05071**	**2.4129**	**57.193**	**.10910**	**.50888**
Stddev	.00005	.0040	.0032	.0004	.0045	.00013	.0060	.031	.00010	.00056
%RSD	.10101	.13118	.30247	.04192	.20526	.24928	.24804	.05405	.09376	.10963
#1	.05166	3.0158	1.0590	1.0660	2.2073	.05062	2.4086	57.171	.10917	.50849
#2	.05158	3.0102	1.0545	1.0666	2.2137	.05080	2.4171	57.215	.10903	.50928
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00								
Low Limit		4.0000								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20870**	**.26482**	**1.4360**	**52.386**	**1.0245**	**55.575**	**.52439**	**1.0509**	**83.459**	**.50468**
Stddev	.00029	.00010	.0108	.075	.0005	.004	.00037	.0014	.097	.00026
%RSD	.13665	.03702	.75118	.14227	.04919	.00660	.07115	.13136	.11640	.05246
#1	.20891	.26475	1.4284	52.333	1.0242	55.573	.52413	1.0519	83.391	.50449
#2	.20850	.26489	1.4436	52.439	1.0249	55.578	.52466	1.0499	83.528	.50486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.311**	**.51384**	**.22095**	**.52477**	**2.1057**	**18.152**	**2.0701**	**1.1138**	**1.0265**	**1.0746**
Stddev	.019	.00174	.00422	.00125	.0019	.052	.0014	.0013	.0015	.0005
%RSD	.18901	.33778	1.9117	.23774	.09241	.28646	.06967	.11482	.14637	.04505
#1	10.297	.51507	.21797	.52565	2.1071	18.115	2.0712	1.1129	1.0276	1.0743
#2	10.324	.51262	.22394	.52389	2.1043	18.189	2.0691	1.1147	1.0254	1.0750
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0658**	**2.2300**	**.53584**	**.52582**	**.52768**
Stddev	.0035	.0164	.00055	.00177	.00526
%RSD	.16891	.73303	.10315	.33616	.99765
#1	2.0633	2.2185	.53623	.52707	.52396
#2	2.0682	2.2416	.53545	.52457	.53140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3908.2**	**57347.**	**4353.8**
Stddev	.3	66.	3.4
%RSD	.00711	.11468	.07917
#1	3908.4	57301.	4356.2
#2	3908.0	57394.	4351.3

Sample Name: 280-19417-a-1-c msd Acquired: 8/25/2011 22:31:43 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05045**	W **2.7986**	W **3.0732**	**1.0523**	**1.0606**	**2.2065**	**.05058**	**2.4072**	**57.376**	**.10871**
Stddev	.00018	.0121	.0242	.0006	.0027	.0027	.00001	.0026	.155	.00031
%RSD	.35981	.43353	.78742	.05740	.25006	.12351	.02417	.10645	.27034	.28234
#1	.05058	2.8072	3.0903	1.0519	1.0588	2.2084	.05057	2.4090	57.485	.10850
#2	.05032	2.7900	3.0561	1.0528	1.0625	2.2046	.05059	2.4053	57.266	.10893
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.7000	500.00							
Low Limit		-.05000	4.0000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50573**	**.20694**	**.26306**	**1.4372**	**52.399**	**1.0183**	**55.193**	**.52104**	**1.0494**	**83.366**
Stddev	.00072	.00023	.00061	.0016	.164	.0001	.083	.00111	.0009	.130
%RSD	.14169	.11016	.23311	.10933	.31220	.00563	.15009	.21356	.08230	.15591
#1	.50523	.20710	.26349	1.4361	52.515	1.0183	55.251	.52183	1.0488	83.274
#2	.50624	.20677	.26263	1.4383	52.283	1.0182	55.134	.52025	1.0500	83.458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50088**	**10.249**	**.51096**	**.22042**	**.52156**	**2.1029**	**18.328**	**2.0538**	**1.1126**	**1.0204**
Stddev	.00110	.006	.00037	.00114	.00208	.0007	.007	.0015	.0011	.0003
%RSD	.21867	.05909	.07182	.51612	.39795	.03124	.03839	.07190	.10032	.02855
#1	.50011	10.245	.51122	.21961	.52303	2.1024	18.323	2.0527	1.1134	1.0202
#2	.50166	10.253	.51070	.22122	.52009	2.1033	18.333	2.0548	1.1119	1.0206
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0662**	**2.0501**	**2.1988**	**.52986**	**.52160**	**.52394**
Stddev	.0013	.0042	.0060	.00128	.00387	.00108
%RSD	.11981	.20249	.27075	.24081	.74166	.20681
#1	1.0671	2.0530	2.1945	.53076	.52434	.52318
#2	1.0653	2.0472	2.2030	.52896	.51887	.52471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3930.3**	**57797.**	**4333.0**
Stddev	7.3	100.	13.9
%RSD	.18573	.17333	.32001
#1	3935.5	57726.	4323.2
#2	3925.2	57868.	4342.8

Sample Name: 280-19417-a-2-a Acquired: 8/25/2011 22:34:03 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.00242	.00069	.00322	-.00031	.00001	.00077	.02213	.00042	.00013
Stddev	.00007	.00016	.00007	.00026	.00022	.00000	.00375	.00323	.00007	.00033
%RSD	243.29	6.5192	9.9440	7.9670	71.208	26.659	488.18	14.588	17.561	261.69
#1	-.00002	.00231	.00074	.00340	-.00047	.00001	-.00189	.02442	.00048	-.00011
#2	.00008	.00253	.00065	.00304	-.00015	.00001	.00342	.01985	.00037	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00045	.00095	.00271	.07772	.00475	.00513	.00007	.00599	.08582	-.00004
Stddev	.00004	.00023	.00372	.01542	.00437	.00145	.00002	.00137	.00066	.00004
%RSD	9.7417	24.505	137.18	19.837	92.086	28.333	28.679	22.900	.77153	103.38
#1	.00042	.00078	.00534	.06682	.00166	.00616	.00008	.00502	.08535	-.00007
#2	.00049	.00111	.00008	.08862	.00784	.00411	.00005	.00696	.08629	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00259	-.00142	.00286	-.00133	.00886	.04408	.00113	.00037	-.00125	.00107
Stddev	.00225	.00042	.00329	.00204	.00294	.00091	.00075	.00005	.00055	.00007
%RSD	86.982	29.302	115.11	153.53	33.179	2.0589	66.154	13.570	44.162	6.9737
#1	.00100	-.00112	.00519	-.00277	.00678	.04472	.00060	.00041	-.00164	.00112
#2	.00418	-.00171	.00053	.00011	.01094	.04344	.00166	.00034	-.00086	.00102
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00263	.04876	-.00016	.00165	.00451
Stddev	.00108	.01096	.00025	.00016	.00054
%RSD	41.107	22.476	155.74	9.6707	11.865
#1	.00187	.04101	-.00034	.00154	.00413
#2	.00339	.05651	.00002	.00176	.00489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4113.6	62247.	4399.9
Stddev	5.6	211.	2.8
%RSD	.13504	.33948	.06356
#1	4109.7	62097.	4401.9
#2	4117.6	62396.	4398.0

Sample Name: CCVH-940568 Acquired: 8/25/2011 22:36:40 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02152**	**49.670**	**-.00268**	**.00268**	**-.00018**	**.00001**	**1.0361**	**.02526**	**-.00113**	**.00193**	**.00020**	**-.00088**	**50.726**
Stddev	.00018	.074	.00370	.00111	.00045	.00012	.0006	.00039	.00007	.00008	.00009	.00012	.150
%RSD	.82976	.14891	137.94	41.261	249.27	899.17	.05594	1.5544	6.1857	4.2405	42.793	14.232	.29615
#1	-.02164	49.722	-.00529	.00347	.00014	.00010	1.0357	.02498	-.00118	.00199	.00014	-.00097	50.832
#2	-.02139	49.617	-.00007	.00190	-.00050	-.00007	1.0365	.02553	-.00108	.00187	.00027	-.00079	50.619
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16518**	**.00386**	**-.10561**	**.00096**	**-.00169**	**263.39**	**.00072**	**.00101**	**-.00042**	**5.0328**	**-.00925**	**.01582**	**.01762**
Stddev	.04097	.00096	.00189	.00003	.00058	1.05	.00002	.00010	.00109	.0120	.00084	.00005	.00905
%RSD	24.805	24.994	1.7862	2.8447	34.512	.39956	3.3589	10.160	261.92	.23932	9.0496	.32825	51.386
#1	.19415	.00454	-.10427	.00094	-.00211	264.14	.00070	.00108	.00035	5.0243	-.00984	.01578	.01122
#2	.13621	.00318	-.10694	.00098	-.00128	262.65	.00074	.00093	-.00119	5.0413	-.00866	.01586	.02402
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00186**	**.00055**	**5.0409**	**.00161**	**.00443**	**10.587**	**-.00912**	**.00505**	**.01578**
Stddev	.00076	.00008	.0051	.00001	.00207	.010	.00091	.00008	.00112
%RSD	40.736	14.438	.10139	.52356	46.771	.09260	10.024	1.6724	7.0880
#1	.00240	.00061	5.0372	.00162	.00297	10.581	-.00977	.00511	.01499
#2	.00132	.00050	5.0445	.00160	.00590	10.594	-.00848	.00499	.01657
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3892.9**	**57373.**	**4341.1**
Stddev	2.3	46.	30.3
%RSD	.05882	.07963	.69874
#1	3891.3	57405.	4319.6
#2	3894.5	57341.	4362.5

Sample Name: CCV-940591 Acquired: 8/25/2011 22:39:12 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54397**	**.53410**	**1.0396**	**.51980**	**.52638**	**.50070**	**.00336**	**4.9959**	**.52511**	**.52162**	**.51983**	**.53015**	**2.4778**
Stddev	.00257	.00044	.0004	.00007	.00094	.00090	.00274	.0089	.00005	.00062	.00094	.00064	.0030
%RSD	.47264	.08272	.03365	.01301	.17931	.18013	81.517	.17769	.00979	.11898	.18049	.11996	.12214
#1	.54579	.53442	1.0394	.51975	.52704	.50134	.00142	4.9896	.52515	.52205	.52049	.53060	2.4757
#2	.54215	.53379	1.0399	.51985	.52571	.50007	.00529	5.0021	.52508	.52118	.51916	.52970	2.4799
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.405**	**1.0288**	**21.134**	**.52363**	**.51691**	**5.3410**	**.51709**	**1.0054**	**1.0516**	**.00050**	**1.0257**	**1.0375**	**4.8873**
Stddev	.145	.0000	.008	.00038	.00039	.0231	.00086	.0038	.0047	.00366	.0000	.0013	.0246
%RSD	.28120	.00403	.03986	.07196	.07564	.43250	.16672	.37759	.44820	727.76	.00236	.12498	.50369
#1	51.507	1.0288	21.140	.52390	.51719	5.3574	.51770	1.0027	1.0549	.00309	1.0257	1.0366	4.8699
#2	51.303	1.0287	21.128	.52336	.51664	5.3247	.51648	1.0081	1.0482	-.00208	1.0257	1.0384	4.9047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0327**	**.52533**	**-.00141**	**.51288**	**1.0671**	**.06372**	**.53035**	**.52889**	**.50146**
Stddev	.0010	.00063	.00156	.00079	.0016	.00061	.00066	.00025	.00173
%RSD	.10005	.11931	110.04	.15378	.15161	.95736	.12435	.04756	.34460
#1	1.0334	.52577	-.00251	.51344	1.0660	.06329	.53081	.52907	.50268
#2	1.0319	.52488	-.00031	.51232	1.0683	.06415	.52988	.52871	.50024
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3980.0**	**58993.**	**4328.3**
Stddev	1.1	60.	3.7
%RSD	.02770	.10132	.08528
#1	3979.2	58950.	4325.7
#2	3980.8	59035.	4330.9

Sample Name: CCB Acquired: 8/25/2011 22:41:36 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.00026**	**.00072**	W **.00191**	**-.00035**	**.00009**	**-.00253**	**.00390**	**.00031**	**-.00005**	**.00019**
Stddev	.00105	.00276	.00144	.00024	.00058	.00001	.00248	.00462	.00022	.00009	.00002
%RSD	175.72	1062.8	201.15	12.699	163.20	12.357	98.153	118.59	69.432	184.64	12.998
#1	.00134	-.00169	-.00030	.00174	.00005	.00009	-.00077	.00063	.00016	.00001	.00020
#2	-.00014	.00221	.00174	.00208	-.00076	.00008	-.00428	.00717	.00047	-.00011	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00105**	**-.00165**	**.06914**	**-.00162**	**.00262**	**.00003**	**.00276**	**.03149**	**-.00008**	**-.00402**	**-.00254**
Stddev	.00001	.00155	.03170	.00492	.00321	.00001	.00076	.01429	.00010	.00127	.00069
%RSD	.78708	94.139	45.847	304.27	122.28	23.873	27.431	45.382	135.94	31.703	27.351
#1	.00105	-.00055	.09156	-.00510	.00035	.00003	.00223	.04159	-.00015	-.00492	-.00205
#2	.00106	-.00274	.04673	.00186	.00489	.00002	.00330	.02138	.00000	-.00312	-.00303
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00124**	F **.00732**	W **.00555**	**-.00008**	**.00132**	**.00015**	**-.00180**	**.00018**	**.00151**	**.02264**	**.00007**
Stddev	.00312	.00044	.00095	.00474	.00059	.00008	.00065	.00006	.00193	.02236	.00033
%RSD	252.30	5.9944	17.096	5635.6	44.932	49.808	35.919	36.153	128.20	98.748	482.90
#1	.00097	.00701	.00622	-.00343	.00090	.00010	-.00134	.00013	.00014	.00683	.00031
#2	-.00345	.00764	.00488	.00327	.00174	.00021	-.00226	.00022	.00288	.03845	-.00017
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00171**	W **.00288**
Stddev	.00032	.00092
%RSD	18.893	31.895
#1	.00194	.00223
#2	.00148	.00353
Check ?	Chk Pass	Chk Warn
High Limit		.00238
Low Limit		-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4020.2**	**60437.**	**4305.8**
Stddev	17.2	24.	12.7
%RSD	.42668	.03981	.29594
#1	4008.1	60454.	4314.8
#2	4032.4	60420.	4296.8

Sample Name: CCVL942742 Acquired: 8/25/2011 22:44:14 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01124**	**.10670**	**.01516**	**.10192**	**.01020**	**.00094**	F **.13351**	**.20478**	**.00567**	**.01088**	**.01053**
Stddev	.00001	.00349	.00097	.00050	.00025	.00003	.00344	.00398	.00001	.00013	.00011
%RSD	.11078	3.2694	6.4130	.48934	2.4559	3.6236	2.5775	1.9451	.25521	1.1715	1.0402
#1	.01125	.10423	.01448	.10227	.01037	.00096	.13108	.20760	.00568	.01097	.01046
#2	.01123	.10917	.01585	.10157	.01002	.00092	.13595	.20196	.00566	.01079	.01061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01746**	**.09922**	**3.1386**	**.01190**	**.21977**	**.01065**	**.02003**	**1.0963**	**.04248**	**2.9062**	**.00824**
Stddev	.00039	.00314	.0196	.00226	.00041	.00002	.00017	.0037	.00037	.0042	.00025
%RSD	2.2114	3.1654	.62386	18.991	.18826	.16030	.85542	.33768	.87792	.14414	3.0134
#1	.01774	.09700	3.1525	.01030	.22006	.01067	.02015	1.0989	.04222	2.9032	.00806
#2	.01719	.10145	3.1248	.01350	.21948	.01064	.01991	1.0937	.04275	2.9091	.00841
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00050**	W **.00772**	**.01234**	**.47065**	**.10170**	**.01059**	W **.01146**	**.01047**	W **.01908**	F **.10459**	**.01048**
Stddev	.00504	.00049	.00216	.00248	.00003	.00005	.00115	.00014	.00176	.01517	.00043
%RSD	1005.1	6.3346	17.505	.52688	.02788	.49724	10.057	1.3606	9.2205	14.508	4.1408
#1	-.00407	.00807	.01387	.46889	.10172	.01056	.01064	.01057	.02033	.09386	.01079
#2	.00306	.00737	.01082	.47240	.10168	.01063	.01227	.01037	.01784	.11532	.01018
Check ?	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Fail	Chk Pass
Value		.01000					.01500		.01500	.06000	
Range		-20.000%					-20.000%		20.000%	30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02322**	W **.01947**
Stddev	.00020	.00127
%RSD	.84963	6.5362
#1	.02335	.02037
#2	.02308	.01857
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4071.4**	**61454.**	**4337.2**
Stddev	1.8	46.	35.3
%RSD	.04385	.07524	.81374
#1	4072.6	61487.	4312.2
#2	4070.1	61422.	4362.1

Sample Name: 280-19417-a-3-a Acquired: 8/25/2011 22:46:48 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	.28873	.00225	.03151	.06301	.00022	-.00043	3.7040	.00014	.00065
Stddev	.00067	.00305	.00027	.00057	.00005	.00009	.00040	.0076	.00002	.00015
%RSD	311.38	1.0565	12.122	1.8116	.08726	39.743	92.898	.20456	16.568	23.538
#1	-.00026	.29089	.00205	.03191	.06305	.00016	-.00071	3.7094	.00012	.00076
#2	.00069	.28658	.00244	.03110	.06297	.00029	-.00015	3.6986	.00015	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00033	.00119	.11448	.47976	.00747	1.9964	.02626	.00019	17.399	.00156
Stddev	.00021	.00008	.00308	.00965	.00137	.0032	.00011	.00034	.035	.00016
%RSD	64.276	6.8404	2.6885	2.0122	18.339	.16044	.40885	180.62	.19856	10.086
#1	.00049	.00125	.11666	.48659	.00650	1.9987	.02633	-.00005	17.424	.00167
#2	.00018	.00113	.11230	.47294	.00844	1.9942	.02618	.00043	17.375	.00145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02215	.00043	.23817	.00054	.00253	7.3524	.00002	.03237	-.00150	.00958
Stddev	.00115	.00074	.00469	.00160	.00247	.0350	.00028	.00011	.00156	.00028
%RSD	5.1825	170.60	1.9681	296.01	97.803	.47574	1416.1	.33016	103.82	2.9708
#1	.02134	-.00009	.24149	.00167	.00078	7.3772	-.00018	.03244	-.00260	.00978
#2	.02296	.00096	.23486	-.00059	.00427	7.3277	.00021	.03229	-.00040	.00938
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00301	.05820	.00023	.00418	.00448
Stddev	.00022	.00224	.00013	.00048	.00090
%RSD	7.2075	3.8404	58.677	11.585	20.165
#1	.00286	.05978	.00032	.00384	.00511
#2	.00317	.05662	.00013	.00453	.00384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4051.9	60712.	4390.7
Stddev	8.6	63.	4.1
%RSD	.21214	.10303	.09225
#1	4045.8	60756.	4393.6
#2	4058.0	60668.	4387.9

Sample Name: 280-19417-a-4-a Acquired: 8/25/2011 22:49:23 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.08432**	**-.00048**	**.04223**	**.06826**	**.00045**	**.00228**	**1.9725**	**.00057**	**.00102**
Stddev	.00058	.00034	.00081	.00024	.00031	.00003	.00068	.0009	.00007	.00002
%RSD	177.20	.40540	170.21	.55857	.45325	7.6196	29.709	.04556	12.280	1.6829
#1	-.00008	.08408	.00010	.04240	.06804	.00042	.00276	1.9731	.00062	.00103
#2	.00074	.08457	-.00105	.04207	.06848	.00047	.00180	1.9718	.00052	.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00203**	**.08279**	**.82736**	**.00813**	**1.2407**	**.07337**	**-.00052**	**19.870**	**.00202**
Stddev	.00017	.00064	.00301	.01280	.00183	.0002	.00002	.00054	.104	.00013
%RSD	207.22	31.373	3.6296	1.5475	22.567	.01844	.03341	104.30	.52362	6.5650
#1	.00020	.00158	.08067	.83641	.00683	1.2409	.07339	-.00090	19.796	.00192
#2	-.00004	.00248	.08492	.81831	.00942	1.2405	.07335	-.00014	19.944	.00211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07915**	**-.00109**	**.35429**	**-.00076**	**.00115**	**6.9513**	**.00052**	**.02185**	**-.00226**	**.00046**
Stddev	.00119	.00053	.01042	.00058	.00275	.0234	.00059	.00007	.00060	.00039
%RSD	1.4973	48.480	2.9420	77.047	238.61	.33733	114.69	.32678	26.419	83.867
#1	.07831	-.00071	.36166	-.00117	-.00079	6.9347	.00094	.02190	-.00184	.00019
#2	.07999	-.00146	.34692	-.00034	.00309	6.9679	.00010	.02180	-.00268	.00074
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00141**	**.05729**	**-.00195**	**.00439**	**.00183**
Stddev	.00220	.01483	.00087	.00005	.00174
%RSD	155.83	25.885	44.785	1.2354	94.955
#1	.00297	.06778	-.00133	.00435	.00306
#2	-.00014	.04681	-.00257	.00442	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4042.4**	**60693.**	**4372.9**
Stddev	6.7	40.	6.3
%RSD	.16519	.06601	.14349
#1	4047.1	60664.	4377.3
#2	4037.7	60721.	4368.5

Sample Name: 280-19417-a-5-a Acquired: 8/25/2011 22:51:59 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.14776**	**-.00243**	**.03777**	**.06029**	**.00012**	**.00182**	**3.3326**	**.00026**	**.00031**
Stddev	.00053	.00254	.00068	.00031	.00031	.00002	.00495	.0040	.00033	.00001
%RSD	597.08	1.7200	28.060	.82005	.51748	14.531	271.32	.11914	125.41	4.3894
#1	.00028	.14956	-.00195	.03798	.06051	.00014	-.00168	3.3355	.00049	.00030
#2	-.00046	.14597	-.00291	.03755	.06007	.00011	.00532	3.3298	.00003	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00143**	**.03713**	**.33276**	**.00522**	**1.6142**	**.00746**	**.00002**	**20.432**	**.00075**
Stddev	.00007	.00017	.00472	.03920	.00101	.0004	.00003	.00007	.287	.00013
%RSD	23.190	12.082	12.723	11.782	19.439	.02163	.33742	369.08	1.4064	17.916
#1	.00026	.00156	.03379	.30504	.00594	1.6139	.00744	-.00003	20.229	.00084
#2	.00037	.00131	.04047	.36048	.00450	1.6144	.00748	.00007	20.636	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02686**	**.00000**	**.95934**	**.00033**	**.00092**	**6.8203**	**-.00065**	**.02831**	**-.00157**	**.00376**
Stddev	.00067	.0006	.00370	.00119	.00171	.0182	.00040	.00007	.00026	.00043
%RSD	2.4984	27240.	.38587	364.94	186.58	.26635	61.872	.23242	16.535	11.502
#1	.02639	-.00045	.96196	-.00052	-.00029	6.8075	-.00036	.02827	-.00175	.00407
#2	.02734	.00045	.95672	.00117	.00213	6.8332	-.00093	.02836	-.00138	.00346
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00221**	**.03716**	**.00018**	**.00307**	**.00341**
Stddev	.00016	.00934	.00017	.00013	.00162
%RSD	7.1832	25.138	98.282	4.2335	47.655
#1	.00233	.04376	.00030	.00297	.00456
#2	.00210	.03055	.00005	.00316	.00226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4035.4**	**60415.**	**4384.4**
Stddev	7.7	82.	1.1
%RSD	.18998	.13608	.02400
#1	4030.0	60473.	4385.1
#2	4040.9	60357.	4383.6

Sample Name: 280-19417-a-6-a Acquired: 8/25/2011 22:54:34 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.05708**	**-.00246**	**.02372**	**.03385**	**.00017**	**.00017**	**1.6137**	**.00037**	**.00064**
Stddev	.00024	.00009	.00144	.00026	.00042	.00005	.00023	.0055	.00013	.00007
%RSD	110.64	.15935	58.658	1.1012	1.2313	27.918	134.20	.34176	34.530	10.768
#1	-.00039	.05715	-.00348	.02390	.03414	.00020	.00033	1.6098	.00046	.00059
#2	-.00005	.05702	-.00144	.02353	.03355	.00013	.00001	1.6176	.00028	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00130**	**.01382**	**.58349**	**.00757**	**.86156**	**.01095**	**-.00042**	**8.8944**	**.00085**
Stddev	.00020	.00061	.00019	.00317	.00119	.00468	.00007	.00039	.0114	.00014
%RSD	181.87	47.196	1.3616	.54342	15.734	.54325	.63137	92.175	.12798	16.388
#1	.00025	.00173	.01368	.58125	.00842	.86487	.01099	-.00015	8.9025	.00094
#2	-.00003	.00086	.01395	.58574	.00673	.85825	.01090	-.00070	8.8864	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02208**	**-.00083**	**.27331**	**-.00267**	**-.00239**	**5.6247**	**-.00110**	**.01450**	**-.00135**	**.00034**
Stddev	.00021	.00171	.00142	.00158	.00109	.0156	.00038	.00004	.00056	.00045
%RSD	.94430	207.57	.51775	59.157	45.720	.27773	33.999	.28750	41.280	134.48
#1	.02223	-.00204	.27431	-.00379	-.00316	5.6358	-.00084	.01447	-.00175	.00002
#2	.02193	.00039	.27231	-.00155	-.00162	5.6137	-.00137	.01453	-.00096	.00066
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**.04578**	**-.00043**	**.00294**	**.00232**
Stddev	.00250	.04194	.00024	.00023	.00185
%RSD	214.27	91.630	55.027	7.7894	79.889
#1	.00294	.07543	-.00026	.00278	.00363
#2	-.00060	.01612	-.00059	.00310	.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4071.4**	**61092.**	**4399.7**
Stddev	5.6	113.	5.6
%RSD	.13667	.18501	.12622
#1	4067.5	61172.	4403.6
#2	4075.3	61012.	4395.7

Sample Name: 280-19417-a-7-a Acquired: 8/25/2011 22:57:10 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.03151**	**.00059**	**.04850**	**.06773**	**.00020**	**.00081**	**2.4315**	**.00028**	**.00172**
Stddev	.00016	.00116	.00141	.00030	.00004	.00004	.00032	.0095	.00020	.00008
%RSD	83.991	3.6944	238.62	.61398	.05250	20.158	39.714	.38918	74.112	4.4526
#1	.00008	.03234	-.00041	.04829	.06771	.00017	.00058	2.4381	.00042	.00166
#2	.00030	.03069	.00159	.04871	.06776	.00023	.00104	2.4248	.00013	.00177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00106**	**.15385**	**1.9074**	**.00185**	**1.2562**	**.01067**	**-.00058**	**21.911**	**.00170**
Stddev	.00029	.00027	.00325	.0128	.00359	.0037	.00002	.00009	.262	.00013
%RSD	238.09	25.315	2.1115	.67200	193.89	.29825	.19254	15.617	1.1945	7.8424
#1	.00033	.00087	.15155	1.9165	.00439	1.2589	.01068	-.00064	21.726	.00180
#2	-.00008	.00125	.15615	1.8983	-.00069	1.2536	.01065	-.00052	22.096	.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01183**	**.00036**	**.46554**	**-.00162**	**-.00095**	**10.036**	**-.00041**	**.02138**	**-.00170**	**.00034**
Stddev	.00083	.00051	.00235	.00090	.00344	.014	.00056	.00001	.00076	.00003
%RSD	6.9818	142.64	.50555	55.462	362.15	.14319	136.96	.02641	44.642	7.6677
#1	.01241	.00000	.46387	-.00226	.00148	10.026	-.00081	.02139	-.00116	.00032
#2	.01125	.00072	.46720	-.00099	-.00338	10.047	-.00001	.02138	-.00224	.00036
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**.02595**	**-.00037**	**.00623**	**.00426**
Stddev	.00114	.00200	.00048	.00032	.00294
%RSD	101.27	7.6959	130.64	5.1239	68.972
#1	.00193	.02736	-.00071	.00646	.00218
#2	.00032	.02453	-.00003	.00600	.00634
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4055.4**	**60767.**	**4398.6**
Stddev	5.4	30.	3.7
%RSD	.13392	.04872	.08391
#1	4051.6	60746.	4396.0
#2	4059.3	60788.	4401.2

Sample Name: 280-19417-a-8-a Acquired: 8/25/2011 22:59:46 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**.05949**	**-.00094**	**.03619**	**.06359**	**.00012**	**.00265**	**4.2732**	**.00017**	**.00047**
Stddev	.00038	.00179	.00192	.00031	.00015	.00002	.00120	.0008	.00032	.00017
%RSD	96.872	3.0041	203.68	.85410	.23019	12.726	45.101	.02000	182.94	35.480
#1	-.00012	.06075	-.00230	.03641	.06369	.00013	.00350	4.2738	-.00005	.00059
#2	-.00067	.05822	.00041	.03598	.06349	.00011	.00181	4.2726	.00040	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00181**	**.01883**	**.30248**	**.00536**	**2.2161**	**.00186**	**-.00029**	**19.102**	**.00046**
Stddev	.00021	.00000	.00054	.00691	.00007	.0061	.00001	.00011	.423	.00043
%RSD	89.829	.17870	2.8452	2.2856	1.2531	.27717	.60193	37.162	2.2147	93.975
#1	.00009	.00181	.01845	.29759	.00541	2.2205	.00186	-.00037	19.401	.00015
#2	.00039	.00182	.01921	.30737	.00531	2.2118	.00185	-.00021	18.803	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00552**	**-.00034**	**.18708**	**-.00029**	**.00030**	**6.6348**	**.00007**	**.03922**	**-.00250**	**.00153**
Stddev	.00430	.00158	.00250	.00029	.00393	.0038	.00053	.00004	.00046	.00017
%RSD	77.858	463.72	1.3354	98.177	1320.0	.05764	794.00	.09677	18.589	11.302
#1	.00857	.00078	.18531	-.00050	.00307	6.6375	.00044	.03920	-.00282	.00165
#2	.00248	-.00146	.18885	-.00009	-.00248	6.6321	-.00031	.03925	-.00217	.00141
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00101**	**.06577**	**-.00041**	**.00260**	**.00389**
Stddev	.00027	.03606	.00066	.00027	.00437
%RSD	26.619	54.828	161.28	10.463	112.32
#1	.00119	.09127	-.00087	.00280	.00080
#2	.00082	.04027	.00006	.00241	.00699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4048.9**	**60744.**	**4402.5**
Stddev	14.7	71.	24.1
%RSD	.36245	.11764	.54851
#1	4038.6	60795.	4385.5
#2	4059.3	60694.	4419.6

Sample Name: 280-19417-a-9-a Acquired: 8/25/2011 23:02:22 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00024	.92347	.00117	.02465	.05175	.00023	.00146	2.2052	.00042	.00107
Stddev	.00024	.00941	.00000	.00048	.00046	.00013	.00137	.0038	.00009	.00007
%RSD	101.82	1.0191	.20109	1.9301	.88716	55.204	93.558	.17130	21.481	6.8287
#1	-.00041	.93012	.00117	.02499	.05208	.00032	.00243	2.2079	.00036	.00102
#2	-.00007	.91681	.00117	.02432	.05143	.00014	.00049	2.2025	.00049	.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00369	.00205	1.5930	.37406	.00373	1.2616	.03845	-.00059	11.738	.00261
Stddev	.00012	.00019	.0001	.00846	.00413	.0053	.00017	.00011	.032	.00014
%RSD	3.1768	9.1293	.00728	2.2625	110.94	.41986	.44340	18.390	.27187	5.2643
#1	.00360	.00218	1.5930	.36808	.00080	1.2578	.03833	-.00067	11.760	.00251
#2	.00377	.00192	1.5931	.38005	.00665	1.2653	.03857	-.00052	11.715	.00271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09330	.00093	.24193	-.00019	-.00124	7.3880	.00005	.02150	-.00081	.02899
Stddev	.00064	.00064	.00247	.00149	.00308	.0259	.00087	.00004	.00051	.00091
%RSD	.68360	68.995	1.0193	790.67	248.45	.35022	1602.7	.17517	63.560	3.1225
#1	.09376	.00139	.24019	-.00124	.00094	7.4063	.00067	.02152	-.00117	.02963
#2	.09285	.00048	.24368	.00086	-.00342	7.3697	-.00056	.02147	-.00045	.02835
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00038	.01088	.00234	.00642	.00501
Stddev	.00246	.00182	.00027	.00045	.00078
%RSD	643.17	16.752	11.380	7.0878	15.583
#1	-.00135	.00960	.00253	.00610	.00445
#2	.00212	.01217	.00215	.00674	.00556
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4082.2	61226.	4430.2
Stddev	5.8	128.	.1
%RSD	.14273	.20899	.00253
#1	4078.1	61316.	4430.1
#2	4086.3	61136.	4430.3

Sample Name: 280-19417-a-10-a Acquired: 8/25/2011 23:04:57 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82738 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00005	.22194	-.00425	.04668	.05811	.00012	.00093	3.4674	.00026	.00036
Stddev	.00008	.00089	.00065	.00035	.00037	.00007	.00100	.0031	.00018	.00029
%RSD	170.10	.40160	15.232	.74947	.63867	58.291	107.34	.08913	66.594	80.390
#1	.00001	.22257	-.00471	.04643	.05837	.00007	.00022	3.4696	.00039	.00015
#2	-.00010	.22131	-.00380	.04693	.05785	.00017	.00164	3.4652	.00014	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00018	.00151	.16825	.28965	.00371	1.7300	.00315	-.00030	21.528	.00094
Stddev	.00003	.00037	.00254	.04259	.00291	.0031	.00009	.00002	.080	.00009
%RSD	17.381	24.211	1.5119	14.705	78.498	.17871	2.7343	7.7270	.37105	9.2438
#1	.00016	.00125	.17005	.31977	.00165	1.7321	.00321	-.00032	21.585	.00088
#2	.00020	.00177	.16645	.25953	.00576	1.7278	.00308	-.00029	21.472	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07962	.00029	.25766	-.00177	.00182	7.1890	-.00013	.03117	-.00304	.00663
Stddev	.00371	.00103	.00157	.00043	.00344	.0064	.00064	.00015	.00078	.00046
%RSD	4.6557	349.95	.61023	24.321	188.41	.08862	477.89	.49156	25.593	6.9760
#1	.08224	-.00043	.25655	-.00147	.00425	7.1845	.00032	.03128	-.00249	.00695
#2	.07700	.00102	.25877	-.00208	-.00061	7.1935	-.00058	.03106	-.00359	.00630
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00154	.04887	.00012	.00204	.00515
Stddev	.00108	.00812	.00001	.00010	.00044
%RSD	69.959	16.604	11.487	4.7227	8.5563
#1	.00230	.05461	.00013	.00210	.00546
#2	.00078	.04314	.00011	.00197	.00484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4046.4	60737.	4412.9
Stddev	5.7	3.	18.6
%RSD	.14101	.00552	.42137
#1	4042.4	60735.	4426.1
#2	4050.5	60740.	4399.8

Sample Name: CCVH-940568 Acquired: 8/25/2011 23:07:33 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02047**	**50.101**	**-.00192**	**.00144**	**-.00008**	**-.00014**	**1.0482**	**.02814**	**-.00107**	**.00198**	**-.00005**	**-.00061**	**51.363**
Stddev	.00029	.051	.00286	.00020	.00088	.00003	.0009	.00005	.00012	.00009	.00018	.00045	.085
%RSD	1.4170	.10173	148.73	13.839	1077.1	20.246	.08761	.18309	11.554	4.7966	350.41	73.493	.16551
#1	-.02068	50.064	.00010	.00158	-.00070	-.00012	1.0475	.02817	-.00115	.00205	.00007	-.00093	51.303
#2	-.02027	50.137	-.00395	.00130	.00054	-.00016	1.0488	.02810	-.00098	.00191	-.00018	-.00029	51.423
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12493**	**.00081**	**-.10873**	**.00105**	**-.00221**	**264.90**	**.00104**	**.00403**	**-.00216**	**5.0558**	**-.01075**	**.01515**	**.01667**
Stddev	.03072	.00126	.00107	.00003	.00002	.63	.00016	.00012	.00000	.0187	.00027	.00313	.00341
%RSD	24.587	155.17	.98866	2.7313	.96412	.23959	15.045	2.8987	.05896	.36925	2.5268	20.652	20.453
#1	.10321	-.00008	-.10949	.00103	-.00222	264.45	.00093	.00395	-.00216	5.0425	-.01094	.01736	.01908
#2	.14665	.00170	-.10797	.00107	-.00219	265.35	.00115	.00412	-.00216	5.0690	-.01056	.01294	.01426
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00139**	**.00039**	**5.0900**	**.00072**	**.00482**	**10.586**	**-.00837**	**.00465**	**.00857**
Stddev	.00043	.00007	.0099	.00052	.00049	.011	.00012	.00017	.00128
%RSD	31.046	17.509	.19454	72.048	10.260	.10083	1.4906	3.5788	14.881
#1	.00170	.00044	5.0970	.00109	.00517	10.593	-.00828	.00477	.00947
#2	.00109	.00034	5.0830	.00036	.00447	10.578	-.00845	.00453	.00767
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3865.9**	**56832.**	**4322.6**
Stddev	1.7	131.	.1
%RSD	.04422	.23069	.00168
#1	3867.1	56925.	4322.6
#2	3864.7	56739.	4322.5

Sample Name: CCV-940591 Acquired: 8/25/2011 23:10:06 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54421**	**.53664**	**1.0384**	**.51715**	**.52541**	**.49795**	**.00509**	**5.0111**	**.52290**	**.52397**	**.52197**	**.52986**	**2.4634**
Stddev	.00087	.00037	.0012	.00064	.00065	.00160	.00000	.0168	.00059	.00058	.00008	.00069	.0079
%RSD	.16072	.06837	.11864	.12337	.12380	.32071	.09111	.33505	.11194	.10978	.01557	.13070	.32167
#1	.54359	.53638	1.0393	.51670	.52587	.49908	.00509	5.0230	.52249	.52356	.52191	.53035	2.4690
#2	.54483	.53690	1.0376	.51761	.52495	.49682	.00510	4.9992	.52332	.52437	.52202	.52937	2.4578
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.100**	**1.0150**	**21.089**	**.52165**	**.51494**	**5.2571**	**.51789**	**1.0146**	**1.0477**	**-.00260**	**1.0249**	**1.0341**	**4.8709**
Stddev	.044	.0087	.019	.00047	.00030	.0249	.00045	.0004	.0012	.00501	.0009	.0054	.0132
%RSD	.08702	.85765	.08856	.09029	.05785	.47274	.08611	.04185	.11241	193.08	.09072	.52083	.27099
#1	51.131	1.0089	21.075	.52131	.51515	5.2747	.51757	1.0143	1.0485	-.00614	1.0242	1.0379	4.8616
#2	51.068	1.0212	21.102	.52198	.51473	5.2395	.51820	1.0149	1.0469	.00095	1.0255	1.0303	4.8802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0325**	**.52196**	**-.00008**	**.51526**	**1.0683**	**.05564**	**.52913**	**.52641**	**.49965**
Stddev	.0006	.00101	.00071	.00059	.0032	.01672	.00041	.00003	.00017
%RSD	.06041	.19363	838.03	.11388	.30362	30.054	.07829	.00505	.03361
#1	1.0320	.52267	.00042	.51485	1.0660	.04381	.52884	.52643	.49977
#2	1.0329	.52124	-.00059	.51568	1.0706	.06746	.52942	.52639	.49953
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3967.2**	**58887.**	**4335.9**
Stddev	1.2	214.	21.5
%RSD	.02905	.36260	.49601
#1	3968.0	59038.	4320.7
#2	3966.4	58736.	4351.1

Sample Name: CCB Acquired: 8/25/2011 23:12:28 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.00100**	**.00134**	**.00081**	**.00002**	**.00020**	**.00037**	**.00099**	**.00024**	**.00000**	**-.00014**
Stddev	.00021	.00100	.00016	.00026	.00024	.00003	.00003	.00425	.00039	.00006	.00017
%RSD	72.121	99.788	11.708	32.295	996.84	12.673	7.4746	428.16	159.47	3789.2	119.46
#1	-.00014	.00030	.00123	.00099	.00019	.00018	.00039	.00400	-.00003	.00004	-.00026
#2	-.00045	.00171	.00145	.00062	-.00014	.00022	.00035	-.00201	.00052	-.00004	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**.00265**	**.06644**	W **.00311**	**.00123**	**.00004**	**.00293**	**.04716**	**-.00025**	**-.00001**	**-.00120**
Stddev	.00036	.00037	.00620	.00109	.00222	.00000	.00032	.02457	.00010	.00112	.00048
%RSD	44.321	14.125	9.3301	35.099	180.97	1.2023	10.760	52.107	40.724	9085.2	40.419
#1	.00055	.00291	.07082	.00234	.00280	.00004	.00271	.06454	-.00032	.00078	-.00154
#2	.00106	.00238	.06206	.00388	-.00034	.00003	.00316	.02978	-.00018	-.00080	-.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	W **.00585**	**.00175**	**.00247**	**.00017**	**.00025**	**-.00323**	**.00023**	**.00095**	**.03768**	**.00026**
Stddev	.00285	.00074	.00350	.01264	.00005	.00004	.00042	.00031	.00052	.03027	.00067
%RSD	1196.3	12.612	200.04	512.16	27.019	17.090	12.951	135.20	54.865	80.340	259.20
#1	-.00226	.00533	.00423	-.00647	.00020	.00028	-.00293	.00001	.00131	.05909	-.00022
#2	.00178	.00637	-.00073	.01141	.00014	.00022	-.00352	.00045	.00058	.01628	.00073
Check ?	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00112**	F **.00522**
Stddev	.00037	.00046
%RSD	33.017	8.7389
#1	.00086	.00490
#2	.00138	.00555
Check ?	Chk Pass	Chk Fail
High Limit		.00476
Low Limit		-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4005.6**	**60420.**	**4313.3**
Stddev	1.9	72.	8.1
%RSD	.04816	.11956	.18766
#1	4004.2	60369.	4307.6
#2	4007.0	60472.	4319.0

Sample Name: CCVL942742 Acquired: 8/25/2011 23:15:04 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01100**	**.10926**	**.01592**	**.10197**	**.01016**	**.00094**	F **.13256**	**.20445**	**.00549**	**.01089**	**.01052**
Stddev	.00017	.00096	.00263	.00041	.00005	.00006	.00333	.00094	.00017	.00007	.00013
%RSD	1.5693	.87729	16.545	.40644	.51761	6.6831	2.5145	.45871	3.1814	.61337	1.2228
#1	.01088	.10994	.01406	.10226	.01012	.00098	.13492	.20379	.00561	.01084	.01061
#2	.01113	.10858	.01778	.10168	.01019	.00089	.13020	.20512	.00537	.01093	.01043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01677**	**.10202**	**3.1297**	W **.01248**	**.22168**	**.01065**	**.01997**	**1.0968**	**.04262**	**2.9289**	**.00847**
Stddev	.00049	.00098	.0174	.00541	.00092	.00003	.00005	.0036	.00019	.0033	.00044
%RSD	2.9436	.96351	.55553	43.319	.41449	.29606	.23947	.33194	.45017	.11319	5.1527
#1	.01642	.10133	3.1174	.01630	.22233	.01067	.01994	1.0942	.04248	2.9313	.00878
#2	.01712	.10272	3.1419	.00866	.22103	.01063	.02001	1.0994	.04275	2.9266	.00816
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00897**	**.01359**	**.46696**	**.10274**	**.01086**	**.01249**	**.01063**	W **.01832**	F **.09017**	**.01014**
Stddev	.00194	.00034	.00353	.00577	.00041	.00018	.00116	.00025	.00035	.00514	.00012
%RSD	377.33	3.7670	25.954	1.2354	.39617	1.6633	9.2571	2.3594	1.8991	5.6997	1.2040
#1	.00189	.00921	.01110	.47104	.10245	.01073	.01331	.01046	.01808	.09381	.01006
#2	-.00086	.00873	.01609	.46288	.10303	.01099	.01167	.01081	.01857	.08654	.01023
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass
Value									.01500	.06000	
Range									20.000%	30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02251**	F **.01998**
Stddev	.00020	.00231
%RSD	.90374	11.546
#1	.02265	.01835
#2	.02236	.02161
Check ?	Chk Pass	Chk Fail
Value		.01500
Range		30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4050.0**	**61133.**	**4341.7**
Stddev	5.1	91.	16.7
%RSD	.12670	.14933	.38467
#1	4046.4	61068.	4353.5
#2	4053.7	61197.	4329.8

Sample Name: lb 280-82737/1-b Acquired: 8/25/2011 23:17:40 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83038 DOD4 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00030	.00387	-.00113	W .00628	W .00527	-.00005	-.00175	.08663	.00027	.00008
Stddev	.00065	.00196	.00370	.00050	.00016	.00008	.00078	.00103	.00016	.00049
%RSD	212.81	50.793	328.38	7.8894	3.0127	166.87	44.203	1.1926	57.754	578.21
#1	.00015	.00248	-.00374	.00663	.00515	-.00010	-.00121	.08590	.00016	-.00026
#2	-.00076	.00526	.00149	.00593	.00538	.00001	-.00230	.08736	.00038	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00500	.00500					
Low Limit				-.00500	-.00500					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00029	F .01229	.00316	.17647	.00208	.01606	.00030	-.00013	276.36	.00025
Stddev	.00008	.00025	.00335	.03317	.00292	.00353	.00004	.00017	.52	.00024
%RSD	27.472	2.0413	105.90	18.798	139.91	21.995	12.646	130.87	.18662	95.448
#1	.00035	.01211	.00079	.15301	.00002	.01856	.00033	-.00025	276.72	.00008
#2	.00023	.01247	.00553	.19993	.00415	.01356	.00027	-.00001	275.99	.00042
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit		.01000								
Low Limit		-.01000								

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00234	F -.00339	.00158	-.00116	-.00115	.00814	-.00061	.00062	-.00108	.00013
Stddev	.00088	.00009	.00488	.00135	.00172	.01125	.00089	.00005	.00112	.00008
%RSD	37.744	2.6911	307.81	116.73	149.22	138.25	147.28	8.3428	104.37	62.429
#1	-.00296	-.00333	.00503	-.00212	-.00236	.01609	-.00124	.00066	-.00028	.00007
#2	-.00171	-.00346	-.00186	-.00020	.00006	.00018	.00003	.00058	-.00187	.00019
Check ?	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00300								
Low Limit		-.00300								

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00230	F .06102	.00032	.00264	.00338
Stddev	.00041	.01783	.00023	.00001	.00150
%RSD	17.680	29.225	72.054	.33944	44.293
#1	.00259	.07363	.00016	.00264	.00444
#2	.00201	.04841	.00049	.00265	.00232
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.06000			
Low Limit		-.06000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3831.5	56625.	4309.3
Stddev	3.4	148.	9.8
%RSD	.08874	.26114	.22676
#1	3833.9	56729.	4316.2
#2	3829.1	56520.	4302.4

Sample Name: lcs 280-82737/2-b Acquired: 8/25/2011 23:20:18 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83038 DOD4 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23434**	**.43106**	**.88934**	**.20964**	**2.6684**	**.01055**	F **.50893**	**10.554**	**.24747**	**.10970**
Stddev	.00131	.00037	.00164	.00003	.0049	.00013	.00144	.018	.00000	.00001
%RSD	.55734	.08519	.18495	.01462	.18399	1.1954	.28319	.16817	.00072	.00770
#1	.23341	.43080	.89050	.20962	2.6650	.01046	.50995	10.541	.24747	.10969
#2	.23526	.43132	.88817	.20966	2.6719	.01064	.50791	10.566	.24747	.10970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.48000			
Low Limit							.32000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1266**	**.50956**	**.20653**	**11.326**	**.21612**	**10.601**	**.10863**	**.21739**	F **299.60**	**.10717**
Stddev	.0004	.00053	.00030	.020	.00066	.006	.00007	.00047	.03	.00010
%RSD	.03424	.10340	.14542	.17988	.30512	.05268	.06190	.21653	.00900	.09607
#1	1.1263	.50919	.20632	11.312	.21566	10.605	.10868	.21773	299.62	.10710
#2	1.1268	.50993	.20675	11.341	.21659	10.598	.10859	.21706	299.58	.10724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									12.000	
Low Limit									8.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1953**	**1.1850**	**.00036**	**.10677**	**.65530**	F **2.0002**	**.42997**	**.21980**	**.21312**	**.22076**
Stddev	.0043	.0006	.00318	.00102	.00144	.0347	.00226	.00063	.00439	.00052
%RSD	.19398	.04954	887.40	.95503	.22047	1.7364	.52607	.28469	2.0593	.23330
#1	2.1983	1.1854	-.00189	.10750	.65428	2.0248	.43157	.21936	.21001	.22112
#2	2.1923	1.1846	.00260	.10605	.65632	1.9756	.42837	.22024	.21622	.22039
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.48000				
Low Limit						.32000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.42757**	F **.50660**	**.11779**	**.55987**	**.10971**
Stddev	.00040	.00474	.00006	.00087	.00410
%RSD	.09380	.93642	.04684	.15548	3.7345
#1	.42786	.50996	.11775	.56049	.10681
#2	.42729	.50325	.11783	.55926	.11261
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.48000			
Low Limit		.32000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3816.3**	**56339.**	**4311.3**
Stddev	4.0	73.	2.7
%RSD	.10405	.12902	.06372
#1	3819.1	56288.	4309.3
#2	3813.4	56390.	4313.2

Sample Name: 280-19436-a-2-b Acquired: 8/25/2011 23:22:55 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83038 DOD4 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00028	.01052	.00373	.02322	.09354	-.00007	.00283	116.37	.00036	.00025
Stddev	.00003	.00003	.00292	.00023	.00010	.00001	.00110	.45	.00014	.00012
%RSD	10.529	.32485	78.350	.97774	.10502	14.703	38.970	.38466	38.553	48.203
#1	-.00030	.01050	.00166	.02306	.09347	-.00006	.00360	116.06	.00026	.00033
#2	-.00026	.01055	.00579	.02338	.09361	-.00008	.00205	116.69	.00046	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00095	.00866	.00968	1.8718	.00463	4.7644	.15035	.00149	286.25	.00058
Stddev	.00066	.00015	.00481	.0315	.00132	.0094	.00016	.00047	.09	.00004
%RSD	69.751	1.7382	49.736	1.6837	28.471	.19754	.10436	31.871	.03130	7.4377
#1	.00048	.00877	.00627	1.8941	.00370	4.7578	.15024	.00115	286.32	.00055
#2	.00141	.00856	.01308	1.8495	.00556	4.7711	.15046	.00182	286.19	.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00800	-.00103	1.4818	-.00109	.00632	2.5769	.00004	.39174	-.00149	.00039
Stddev	.00014	.00126	.0057	.00053	.00438	.0177	.00122	.00071	.00048	.00024
%RSD	1.7743	122.44	.38716	48.939	69.280	.68842	3117.7	.18130	32.254	60.574
#1	.00810	-.00014	1.4858	-.00071	.00322	2.5644	-.00082	.39124	-.00182	.00056
#2	.00790	-.00192	1.4777	-.00146	.00941	2.5895	.00090	.39224	-.00115	.00022
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00205	.02054	-.00186	.00574	.00475
Stddev	.00104	.03658	.00031	.00058	.00030
%RSD	50.628	178.09	16.826	10.181	6.3252
#1	.00278	-.00533	-.00208	.00615	.00454
#2	.00131	.04641	-.00164	.00533	.00496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3807.8	55735.	4307.1
Stddev	8.3	44.	42.7
%RSD	.21733	.07817	.99168
#1	3801.9	55766.	4337.4
#2	3813.7	55704.	4276.9

Sample Name: 280-19436-a-2-b SD@5 Acquired: 8/25/2011 23:25:34 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83038 DOD4 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00051**	**.00169**	**.00432**	**.01847**	**-.00005**	**.00111**	**23.627**	**.00002**	**.00007**
Stddev	.00011	.00102	.00138	.00036	.00048	.00009	.00273	.048	.00015	.00019
%RSD	26.481	199.57	81.700	8.4004	2.5909	175.27	245.85	.20174	667.18	263.02
#1	.00051	-.00021	.00071	.00458	.01813	-.00011	.00304	23.594	.00013	-.00006
#2	.00035	.00124	.00267	.00407	.01881	.00001	-.00082	23.661	-.00009	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00266**	**-.00213**	**.42008**	**.00304**	**1.0008**	**.03130**	**-.00032**	**58.306**	**.00012**
Stddev	.00023	.00041	.00129	.03169	.00206	.0024	.00007	.00006	.673	.00000
%RSD	357.85	15.366	60.652	7.5433	67.687	.23806	.23335	17.526	1.1540	.85090
#1	-.00010	.00294	-.00304	.44249	.00450	1.0025	.03135	-.00035	57.831	.00012
#2	.00023	.00237	-.00122	.39767	.00159	.99910	.03124	-.00028	58.782	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00137**	**.00089**	**.29396**	**-.00064**	**-.00193**	**.53377**	**-.00039**	**.07965**	**-.00147**	**-.00003**
Stddev	.00064	.00195	.00189	.00112	.00160	.01442	.00017	.00058	.00032	.00008
%RSD	46.818	219.94	.64270	175.20	82.691	2.7011	43.307	.72728	22.019	238.19
#1	-.00092	.00227	.29262	.00015	-.00080	.54396	-.00027	.07924	-.00170	-.00009
#2	-.00183	-.00049	.29529	-.00144	-.00306	.52357	-.00051	.08006	-.00124	.00002
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00110**	**.02351**	**-.00056**	**.00389**	**.00131**
Stddev	.00143	.00944	.00010	.00020	.00136
%RSD	129.71	40.161	17.807	5.2037	103.71
#1	.00009	.03018	-.00063	.00404	.00035
#2	.00211	.01683	-.00049	.00375	.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3948.3**	**59126.**	**4307.8**
Stddev	14.7	72.	8.8
%RSD	.37280	.12135	.20318
#1	3958.7	59075.	4314.0
#2	3937.9	59176.	4301.6

Sample Name: 280-19436-a-2-b PDS Acquired: 8/25/2011 23:28:14 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83038 DOD4 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03225**	**1.0145**	**.21803**	**.12090**	**.19832**	**.05111**	**-.00515**	**135.03**	**.05516**	**.05215**
Stddev	.00062	.0002	.00156	.00076	.00100	.00017	.00375	.23	.00009	.00025
%RSD	1.9357	.01771	.71441	.63022	.50477	.32312	72.930	.16682	.16856	.48486
#1	.03270	1.0144	.21913	.12036	.19761	.05100	-.00249	134.87	.05509	.05197
#2	.03181	1.0146	.21693	.12143	.19903	.05123	-.00780	135.18	.05522	.05233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05426**	**.06183**	**1.0109**	**23.426**	**.11383**	**24.916**	**.19971**	**.05045**	**302.25**	**.05303**
Stddev	.00006	.00030	.0049	.039	.00435	.026	.00009	.00000	.24	.00061
%RSD	.11566	.49236	.48447	.16751	3.8205	.10307	.04439	.00831	.07884	1.1469
#1	.05421	.06204	1.0075	23.398	.11691	24.934	.19978	.05045	302.08	.05260
#2	.05430	.06161	1.0144	23.454	.11076	24.898	.19965	.05044	302.41	.05346
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1638**	**.10351**	**1.4620**	**.09756**	**.21267**	**7.2551**	**.09771**	**.43960**	**.21104**	**.05206**
Stddev	.0044	.00030	.0005	.00062	.00202	.0471	.00079	.00115	.00108	.00026
%RSD	.20132	.29193	.03440	.63396	.94940	.64894	.80451	.26047	.51347	.50521
#1	2.1668	.10329	1.4617	.09800	.21410	7.2218	.09716	.43879	.21181	.05188
#2	2.1607	.10372	1.4624	.09713	.21124	7.2884	.09827	.44041	.21027	.05225
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.20369**	**.58348**	**.05334**	**.22447**	**.05608**
Stddev	.00115	.01384	.00013	.00035	.00166
%RSD	.56391	2.3726	.24477	.15472	2.9692
#1	.20287	.57369	.05324	.22471	.05490
#2	.20450	.59327	.05343	.22422	.05725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3782.9**	**55735.**	**4280.8**
Stddev	6.5	158.	7.6
%RSD	.17055	.28259	.17765
#1	3787.5	55624.	4286.2
#2	3778.4	55847.	4275.4

Sample Name: 280-19436-a-2-c ms Acquired: 8/25/2011 23:30:51 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83038 DOD4 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .20760	.29216	.74750	.19517	2.3695	.00682	.33906	126.85	.21683	.07135
Stddev	.00047	.00389	.00023	.00125	.0014	.00000	.00042	.17	.00009	.00036
%RSD	.22713	1.3325	.03021	.63953	.06023	.05613	.12328	.13088	.04252	.49907
#1	.20727	.28941	.74766	.19428	2.3705	.00682	.33877	126.96	.21690	.07110
#2	.20793	.29491	.74734	.19605	2.3685	.00682	.33936	126.73	.21677	.07160
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000									
Low Limit	-.01000									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.99100	.44162	.14464	9.2488	.14446	11.668	.22345	.18191	299.71	.07105
Stddev	.00240	.00038	.00142	.0322	.00149	.010	.00035	.00004	.53	.00056
%RSD	.24254	.08626	.98254	.34852	1.0298	.08877	.15683	.02320	.17605	.78336
#1	.98930	.44189	.14565	9.2260	.14340	11.675	.22320	.18188	299.34	.07065
#2	.99270	.44135	.14364	9.2716	.14551	11.661	.22370	.18194	300.08	.07144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.4759	1.0274	1.5258	.09145	.48786	4.3832	.35125	.54487	.13921	.18483
Stddev	.0012	.0026	.0032	.00138	.00506	.0143	.00045	.00029	.00093	.00064
%RSD	.07807	.25022	.21174	1.5108	1.0370	.32677	.12805	.05318	.67057	.34607
#1	1.4767	1.0256	1.5236	.09243	.49144	4.3934	.35157	.54467	.13855	.18437
#2	1.4751	1.0292	1.5281	.09047	.48428	4.3731	.35094	.54508	.13987	.18528
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.27897	.34131	.07728	.47028	.09172
Stddev	.00179	.01291	.00024	.00054	.00012
%RSD	.64082	3.7832	.30811	.11502	.13519
#1	.27770	.33218	.07711	.46990	.09180
#2	.28023	.35044	.07745	.47066	.09163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3806.6	56320.	4321.6
Stddev	11.3	90.	6.2
%RSD	.29673	.16022	.14262
#1	3814.5	56257.	4317.2
#2	3798.6	56384.	4325.9

Sample Name: 280-19436-a-2-d msd Acquired: 8/25/2011 23:33:25 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83038 DOD4 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .22336	.37622	.83748	.21646	2.5887	.00895	.43987	126.82	.23588	.09307
Stddev	.00053	.00063	.00035	.00082	.0023	.00006	.00243	.08	.00044	.00061
%RSD	.23613	.16688	.04217	.37980	.09025	.63838	.55347	.06664	.18729	.65972
#1	.22374	.37667	.83723	.21588	2.5904	.00899	.44159	126.88	.23556	.09264
#2	.22299	.37578	.83773	.21704	2.5871	.00891	.43815	126.76	.23619	.09350
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000									
Low Limit	-.01000									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0710	.47916	.18454	11.407	.19157	13.649	.24177	.20487	297.42	.09163
Stddev	.0037	.00063	.00733	.002	.00332	.003	.00034	.00029	.20	.00032
%RSD	.34613	.13160	3.9724	.01470	1.7344	.02556	.14021	.14090	.06863	.35068
#1	1.0684	.47961	.17936	11.406	.19392	13.651	.24153	.20507	297.56	.09186
#2	1.0736	.47872	.18972	11.408	.18922	13.646	.24201	.20467	297.27	.09141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.9321	1.1132	1.5055	.09893	.59747	4.5309	.39617	.58056	.18351	.20687
Stddev	.0173	.0006	.0039	.00086	.00057	.0093	.00026	.00076	.00062	.00021
%RSD	.89625	.05459	.25860	.86658	.09608	.20497	.06496	.13174	.33602	.10026
#1	1.9198	1.1128	1.5083	.09832	.59787	4.5243	.39598	.58110	.18307	.20672
#2	1.9443	1.1136	1.5028	.09954	.59706	4.5374	.39635	.58001	.18395	.20702
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.36267	.42113	.09919	.51850	.10309
Stddev	.00202	.02972	.00029	.00164	.00064
%RSD	.55749	7.0570	.28857	.31718	.61820
#1	.36124	.44214	.09940	.51733	.10354
#2	.36410	.40011	.09899	.51966	.10264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3788.0	56230.	4323.4
Stddev	8.6	114.	.2
%RSD	.22800	.20254	.00388
#1	3794.1	56311.	4323.5
#2	3781.9	56150.	4323.3

Sample Name: 280-19439-a-1-b Acquired: 8/25/2011 23:35:57 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 83038 DOD4 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00044	.01381	.00190	.06278	.02013	.00002	.00144	2.0165	.00029	.00022
Stddev	.00120	.00137	.00155	.00021	.00007	.00007	.00067	.0092	.00004	.00030
%RSD	271.13	9.8873	81.823	.33015	.34301	398.89	46.418	.45678	12.577	134.86
#1	.00041	.01477	.00299	.06293	.02018	-.00003	.00097	2.0230	.00026	.00043
#2	-.00129	.01284	.00080	.06264	.02008	.00007	.00191	2.0100	.00031	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00077	.00824	.06380	1.1289	.00720	.23274	.11645	.00088	282.31	.00145
Stddev	.00051	.00066	.00281	.0174	.00027	.00043	.00000	.00005	.12	.00006
%RSD	66.786	7.9561	4.4006	1.5426	3.8072	.18605	.00079	5.5370	.04223	4.0927
#1	.00040	.00777	.06182	1.1413	.00739	.23305	.11645	.00085	282.40	.00150
#2	.00113	.00870	.06579	1.1166	.00701	.23243	.11645	.00092	282.23	.00141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05080	-.00074	.92393	-.00124	.00638	.47723	-.00108	.01901	-.00299	.00026
Stddev	.00156	.00115	.00404	.00183	.00181	.00490	.00021	.00009	.00055	.00005
%RSD	3.0710	156.55	.43744	148.34	28.325	1.0274	19.132	.49752	18.413	19.974
#1	.05191	-.00155	.92107	.00006	.00510	.48069	-.00093	.01908	-.00338	.00022
#2	.04970	.00008	.92679	-.00253	.00766	.47376	-.00123	.01894	-.00260	.00029
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00121	.04676	-.00261	.00766	.00196
Stddev	.00057	.01785	.00053	.00018	.00113
%RSD	47.113	38.171	20.161	2.3259	57.789
#1	.00080	.03414	-.00298	.00754	.00116
#2	.00161	.05939	-.00224	.00779	.00276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3821.0	56393.	4349.3
Stddev	8.1	103.	17.9
%RSD	.21078	.18250	.41230
#1	3815.3	56321.	4336.6
#2	3826.7	56466.	4362.0

Sample Name: CCVH-940568 Acquired: 8/25/2011 23:38:36 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02079**	**50.642**	**-.00520**	**.00020**	**-.00067**	**-.00005**	**1.0664**	**.03627**	**-.00105**	**.00208**	**.00002**	**-.00019**	**51.882**
Stddev	.00087	.045	.00089	.00018	.00006	.00003	.0004	.00229	.00027	.00023	.00011	.00032	.251
%RSD	4.1923	.08914	17.193	86.848	8.6793	56.645	.03616	6.3083	25.525	11.114	572.65	175.22	.48405
#1	-.02018	50.674	-.00583	.00008	-.00072	-.00003	1.0662	.03789	-.00123	.00225	-.00006	.00004	51.705
#2	-.02141	50.611	-.00457	.00033	-.00063	-.00007	1.0667	.03465	-.00086	.00192	.00010	-.00041	52.060
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25558**	**.00429**	**-.10666**	**.00241**	**-.00248**	**266.42**	**.00168**	**.00350**	**-.00196**	**5.1359**	**-.01192**	**.01209**	**-.00084**
Stddev	.08510	.00048	.00240	.00000	.00013	.44	.00056	.00222	.00152	.0138	.00071	.00224	.00409
%RSD	33.295	11.226	2.2506	.08600	5.0533	.16539	33.384	63.346	77.249	.26941	5.9300	18.534	485.18
#1	.19541	.00463	-.10497	.00241	-.00257	266.11	.00129	.00507	-.00089	5.1261	-.01142	.01051	.00205
#2	.31575	.00395	-.10836	.00241	-.00239	266.73	.00208	.00193	-.00303	5.1457	-.01242	.01367	-.00374
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00131**	**.00046**	**5.1508**	**.00035**	**.00395**	**10.725**	**-.00894**	**.00721**	**.00958**
Stddev	.00006	.00022	.0013	.00027	.00133	.034	.00007	.00061	.00241
%RSD	4.7159	47.303	.02423	78.387	33.796	.32117	.83824	8.4309	25.166
#1	.00127	.00062	5.1516	.00015	.00300	10.750	-.00888	.00678	.01129
#2	.00135	.00031	5.1499	.00054	.00489	10.701	-.00899	.00764	.00788
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3837.3**	**56750.**	**4296.8**
Stddev	15.4	217.	6.4
%RSD	.40231	.38157	.14805
#1	3826.3	56597.	4301.3
#2	3848.2	56903.	4292.3

Sample Name: CCV-940591 Acquired: 8/25/2011 23:41:08 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52871**	**.53617**	**1.0238**	**.49953**	**.52039**	**.49391**	**.00318**	**5.0055**	**.51559**	**.51760**	**.51575**	**.52039**	**2.4676**
Stddev	.00061	.00263	.0002	.00020	.00003	.00091	.00050	.0161	.00051	.00084	.00189	.00012	.0037
%RSD	.11463	.49111	.01951	.04032	.00663	.18407	15.792	.32099	.09846	.16147	.36552	.02346	.14905
#1	.52914	.53431	1.0239	.49967	.52041	.49455	.00354	4.9942	.51595	.51701	.51442	.52031	2.4702
#2	.52828	.53804	1.0236	.49939	.52037	.49326	.00283	5.0169	.51523	.51819	.51708	.52048	2.4650
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.635**	**.99761**	**20.628**	**.51365**	**.51577**	**5.3412**	**.51352**	**.99605**	**1.0344**	**-.00294**	**1.0093**	**1.0167**	**4.7831**
Stddev	.001	.00178	.009	.00022	.00038	.0197	.00103	.00767	.0002	.00143	.0008	.0034	.0001
%RSD	.00211	.17818	.04556	.04333	.07406	.36824	.19977	.76981	.01689	48.722	.08261	.32943	.00176
#1	50.636	.99887	20.635	.51381	.51604	5.3551	.51280	.99063	1.0343	-.00396	1.0087	1.0191	4.7832
#2	50.635	.99636	20.622	.51349	.51550	5.3273	.51425	1.0015	1.0346	-.00193	1.0099	1.0144	4.7831
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0293**	**.51668**	**-.00065**	**.51124**	**1.0526**	**.04294**	**.51910**	**.51570**	**.50147**
Stddev	.0002	.00028	.00092	.00015	.0027	.00307	.00084	.00139	.00214
%RSD	.01691	.05370	140.46	.02937	.25588	7.1550	.16163	.27014	.42595
#1	1.0292	.51688	-.00130	.51135	1.0507	.04077	.51970	.51668	.50298
#2	1.0295	.51648	.00000	.51113	1.0545	.04512	.51851	.51471	.49996
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3938.9**	**58964.**	**4266.3**
Stddev	7.0	84.	24.2
%RSD	.17766	.14221	.56794
#1	3943.8	59023.	4283.4
#2	3933.9	58904.	4249.2

Sample Name: CCB Acquired: 8/25/2011 23:43:32 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00096**	**-.00003**	**.00035**	**-.00046**	**.00013**	**-.00131**	**-.00136**	**.00008**	**-.00001**	**-.00020**
Stddev	.00040	.00055	.00149	.00049	.00016	.00000	.00031	.00136	.00014	.00023	.00003
%RSD	241.49	57.566	5725.9	140.00	33.858	3.5365	23.434	100.42	176.10	2905.6	15.695
#1	.00045	.00057	-.00108	.00000	-.00035	.00013	-.00152	-.00039	.00018	.00015	-.00018
#2	-.00012	.00135	.00103	.00069	-.00058	.00014	-.00109	-.00232	-.00002	-.00017	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**-.00173**	**.07075**	W **.00446**	**.00083**	**-.00005**	**.00236**	F **.11614**	**.00000**	**-.00121**	**-.00143**
Stddev	.00011	.00224	.02622	.00413	.00329	.00002	.00040	.03090	.00007	.00130	.00178
%RSD	28.258	129.53	37.057	92.542	395.34	49.058	16.879	26.608	4658.4	108.01	123.99
#1	.00030	-.00331	.08929	.00154	.00316	-.00003	.00208	.09429	-.00005	-.00028	-.00269
#2	.00045	-.00015	.05221	.00738	-.00150	-.00006	.00264	.13800	.00005	-.00213	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.10000			
Low Limit				-.00261				-.10000			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00299**	F **.01241**	**.00413**	**-.01183**	**-.00002**	**.00016**	**-.00100**	**.00032**	**.00236**	**.03628**	**.00018**
Stddev	.00042	.00201	.00041	.00440	.00190	.00019	.00138	.00067	.00034	.00782	.00061
%RSD	14.109	16.218	9.9467	37.204	8256.8	122.94	138.19	205.67	14.355	21.564	339.55
#1	-.00329	.01099	.00442	-.00872	-.00137	.00002	-.00197	-.00015	.00260	.04181	.00061
#2	-.00269	.01384	.00384	-.01494	.00132	.00030	-.00002	.00080	.00212	.03075	-.00025
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00127**	**.00163**
Stddev	.00016	.00018
%RSD	12.832	11.285
#1	.00116	.00176
#2	.00139	.00150
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4010.1**	**61107.**	**4288.0**
Stddev	3.7	126.	21.3
%RSD	.09229	.20620	.49706
#1	4012.8	61196.	4273.0
#2	4007.5	61018.	4303.1

Sample Name: CCVL942742 Acquired: 8/25/2011 23:46:08 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01113**	**.10946**	**.01531**	**.10130**	**.01024**	**.00100**	F **.13315**	**.20315**	**.00559**	**.01081**	**.01055**
Stddev	.00077	.00003	.00145	.00001	.00001	.00002	.00289	.00459	.00025	.00003	.00011
%RSD	6.9238	.02546	9.4661	.01016	.13171	2.0694	2.1734	2.2602	4.5256	.25850	1.0173
#1	.01059	.10948	.01429	.10129	.01025	.00102	.13110	.19990	.00577	.01079	.01063
#2	.01168	.10944	.01633	.10130	.01023	.00099	.13519	.20639	.00541	.01083	.01048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01722**	**.09590**	**3.1203**	W **.01207**	**.21615**	**.01065**	**.02001**	**1.1407**	**.04247**	**2.9200**	**.00825**
Stddev	.00011	.00177	.0056	.00555	.00159	.00005	.00033	.0132	.00055	.0076	.00090
%RSD	.66676	1.8485	.18123	45.996	.73438	.50086	1.6652	1.1542	1.2918	.26088	10.973
#1	.01730	.09465	3.1243	.00815	.21727	.01069	.01978	1.1314	.04286	2.9254	.00761
#2	.01714	.09716	3.1163	.01600	.21503	.01061	.02025	1.1500	.04209	2.9146	.00889
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				20.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00386**	F **.01312**	**.01293**	**.45540**	**.10277**	**.01062**	**.01357**	**.01023**	W **.01821**	F **.09507**	**.00978**
Stddev	.00159	.00120	.00089	.01094	.00149	.00012	.00182	.00024	.00152	.03839	.00024
%RSD	41.307	9.1067	6.8889	2.4032	1.4450	1.0871	13.427	2.3643	8.3497	40.378	2.4125
#1	.00498	.01228	.01356	.46314	.10382	.01070	.01228	.01040	.01713	.12221	.00962
#2	.00273	.01397	.01230	.44766	.10172	.01054	.01486	.01006	.01928	.06792	.00995
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass
Value		.01000							.01500	.06000	
Range		30.000%							20.000%	30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02273**	F **.02044**
Stddev	.00010	.00206
%RSD	.42113	10.091
#1	.02266	.01898
#2	.02280	.02189
Check ?	Chk Pass	Chk Fail
Value		.01500
Range		30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4029.4**	**60929.**	**4328.0**
Stddev	.6	4.	4.6
%RSD	.01485	.00618	.10545
#1	4029.8	60926.	4331.3
#2	4029.0	60932.	4324.8

Sample Name: lb 280-82708/1-c Acquired: 8/25/2011 23:48:42 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82948 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00066	.00180	.00184	W .00728	.00181	-.00005	.00141	F .41338	.00014	.00008
Stddev	.00077	.00196	.00107	.00131	.00017	.00003	.00098	.00253	.00012	.00026
%RSD	116.82	108.56	57.911	17.964	9.2308	56.874	69.659	.61322	82.558	347.83
#1	-.00011	.00318	.00109	.00636	.00193	-.00003	.00072	.41159	.00006	-.00011
#2	-.00120	.00042	.00260	.00821	.00169	-.00006	.00210	.41517	.00023	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				.00500				.20000		
Low Limit				-.00500				-.20000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00018	W .00587	-.00049	.22210	.00317	.01604	.00010	.00004	261.25	.00010
Stddev	.00014	.00002	.00040	.02842	.00104	.00291	.00004	.00027	.63	.00026
%RSD	78.423	.27632	81.292	12.796	32.797	18.162	43.394	620.10	.24240	263.63
#1	.00028	.00585	-.00077	.20201	.00391	.01398	.00007	.00024	260.81	.00028
#2	.00008	.00588	-.00021	.24220	.00244	.01810	.00013	-.00015	261.70	-.00008
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit		.00500								
Low Limit		-.00500								

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00139	-.00143	.01302	.00239	.00222	.00867	-.00071	.00055	-.00167	.00042
Stddev	.00186	.00091	.00251	.00074	.00275	.00443	.00049	.00004	.00035	.00023
%RSD	133.33	63.232	19.256	31.063	123.57	51.050	69.390	6.6359	20.678	55.042
#1	-.00008	-.00079	.01479	.00187	.00416	.00554	-.00036	.00058	-.00192	.00059
#2	-.00271	-.00207	.01125	.00292	.00028	.01180	-.00106	.00053	-.00143	.00026
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00188	F .06420	.00028	W .00828	.00292
Stddev	.00014	.00716	.00018	.00011	.00440
%RSD	7.2638	11.152	64.648	1.3696	150.86
#1	.00178	.06926	.00041	.00836	-.00019
#2	.00198	.05914	.00015	.00820	.00603
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass
High Limit		.06000		.00500	
Low Limit		-.06000		-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3832.8	57024.	4344.8
Stddev	1.1	33.	12.3
%RSD	.02787	.05837	.28257
#1	3832.0	57048.	4353.4
#2	3833.5	57001.	4336.1

Sample Name: lcs 280-82708/2-c Acquired: 8/25/2011 23:51:20 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82948 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23105**	**.41882**	**.87427**	**.20965**	**2.6410**	**.01022**	F **.49539**	**10.647**	**.24392**	**.10665**
Stddev	.00075	.00339	.00213	.00049	.0009	.00003	.00179	.014	.00055	.00015
%RSD	.32407	.80915	.24332	.23302	.03323	.30571	.36054	.13362	.22367	.14296
#1	.23158	.42121	.87277	.20999	2.6416	.01020	.49665	10.657	.24430	.10676
#2	.23052	.41642	.87578	.20930	2.6403	.01024	.49413	10.637	.24353	.10654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.48000			
Low Limit							.32000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1099**	**.49718**	**.20770**	**11.074**	**.21228**	**10.345**	**.10638**	**.21561**	F **271.89**	**.10486**
Stddev	.0004	.00086	.00243	.002	.00407	.003	.00002	.00007	.33	.00050
%RSD	.03526	.17377	1.1699	.02110	1.9166	.02873	.02291	.03337	.12144	.47391
#1	1.1096	.49779	.20598	11.073	.21516	10.347	.10640	.21556	272.12	.10521
#2	1.1102	.49657	.20942	11.076	.20940	10.343	.10636	.21566	271.65	.10450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									12.000	
Low Limit									8.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1371**	**1.1708**	**.01624**	**.10684**	**.64086**	F **1.9844**	**.42210**	**.21552**	**.20699**	**.21795**
Stddev	.0107	.0027	.00584	.00033	.00001	.0301	.00054	.00007	.00112	.00088
%RSD	.49959	.22728	35.954	.30849	.00146	1.5188	.12693	.03424	.54069	.40216
#1	2.1296	1.1727	.02037	.10707	.64087	2.0058	.42248	.21557	.20779	.21857
#2	2.1446	1.1690	.01211	.10661	.64085	1.9631	.42172	.21546	.20620	.21733
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.48000				
Low Limit						.32000				

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.41805**	F **.50031**	**.11455**	**.55675**	**.10630**
Stddev	.00010	.00183	.00001	.00198	.00287
%RSD	.02360	.36501	.00505	.35586	2.6976
#1	.41798	.49902	.11454	.55535	.10427
#2	.41812	.50161	.11455	.55815	.10833
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.48000			
Low Limit		.32000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3831.1**	**56627.**	**4311.6**
Stddev	12.8	107.	11.9
%RSD	.33421	.18893	.27598
#1	3840.2	56703.	4320.0
#2	3822.1	56552.	4303.2

Sample Name: 280-19410-b-9-e Acquired: 8/25/2011 23:53:47 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82948 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.06585**	**.00467**	**.02658**	**.09419**	**-.00001**	**.00079**	**25.348**	**.00017**	**.00102**
Stddev	.00015	.00227	.00273	.00003	.00000	.00005	.00112	.059	.00007	.00051
%RSD	84.640	3.4410	58.340	.11639	.00283	393.36	142.70	.23336	44.689	49.356
#1	-.00028	.06745	.00275	.02660	.09419	-.00005	-.00001	25.306	.00022	.00067
#2	-.00007	.06425	.00660	.02656	.09420	.00002	.00158	25.390	.00011	.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00100**	**.01511**	**.04054**	**1.6717**	**.00140**	**1.6828**	**.09451**	**.00099**	**327.08**	**.00138**
Stddev	.00066	.00031	.00112	.0267	.00417	.0040	.00036	.00006	.14	.00033
%RSD	66.378	2.0663	2.7549	1.5981	298.23	.23629	.38156	6.3752	.04318	23.650
#1	.00053	.01489	.03975	1.6906	.00435	1.6800	.09426	.00094	326.98	.00115
#2	.00147	.01533	.04133	1.6528	-.00155	1.6856	.09477	.00103	327.18	.00160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03630**	**.00057**	**.11883**	**-.00154**	**.00567**	**.55378**	**-.00081**	**.08620**	**-.00136**	**.00228**
Stddev	.00180	.00203	.00181	.00096	.00523	.00576	.00106	.00022	.00028	.00058
%RSD	4.9477	354.89	1.5227	62.224	92.111	1.0396	130.26	.25451	20.539	25.296
#1	.03503	-.00086	.12010	-.00086	.00198	.54970	-.00157	.08604	-.00117	.00187
#2	.03757	.00201	.11755	-.00222	.00937	.55785	-.00006	.08635	-.00156	.00269
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.02076**	**-.00188**	**.00503**	**.00364**
Stddev	.00004	.00627	.00005	.00004	.00174
%RSD	36.525	30.179	2.6536	.78060	47.821
#1	.00013	.02519	-.00191	.00505	.00241
#2	.00008	.01633	-.00184	.00500	.00487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3813.0**	**56534.**	**4264.6**
Stddev	2.0	60.	8.2
%RSD	.05309	.10676	.19201
#1	3814.4	56491.	4258.8
#2	3811.6	56576.	4270.4

Sample Name: 280-19410-b-10-c Acquired: 8/25/2011 23:56:29 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82948 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.07299**	**.00362**	**.00972**	**.07320**	**.00010**	**.00172**	**50.899**	**.00030**	**.00440**
Stddev	.00001	.00089	.00149	.00003	.00021	.00006	.00029	.089	.00028	.00010
%RSD	8.7701	1.2230	41.113	.28139	.28340	56.062	16.875	.17436	93.938	2.2634
#1	-.00016	.07236	.00257	.00974	.07335	.00006	.00193	50.962	.00010	.00432
#2	-.00014	.07362	.00467	.00970	.07306	.00014	.00152	50.836	.00049	.00447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.01103**	**.05727**	**2.0180**	**.00513**	**1.3282**	**.28224**	**-.00010**	**317.50**	**.00354**
Stddev	.00029	.00034	.00431	.0383	.00141	.0031	.00004	.00042	.59	.00032
%RSD	54.114	3.0388	7.5340	1.8961	27.538	.23523	.01481	415.74	.18514	8.9034
#1	.00073	.01127	.06032	2.0451	.00413	1.3304	.28227	-.00040	317.91	.00376
#2	.00033	.01079	.05422	1.9910	.00613	1.3260	.28222	.00020	317.08	.00332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00109**	**-.00071**	**.41517**	**-.00040**	**.00232**	**.94023**	**-.00023**	**.12345**	**-.00338**	**.00050**
Stddev	.00022	.00006	.00802	.00008	.00510	.01006	.00012	.00015	.00131	.00003
%RSD	20.291	9.0456	1.9319	19.986	219.92	1.0703	54.564	.12470	38.770	5.4147
#1	.00093	-.00066	.40950	-.00035	.00593	.93312	-.00014	.12356	-.00430	.00052
#2	.00125	-.00076	.42085	-.00046	-.00129	.94735	-.00032	.12334	-.00245	.00048
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.03883**	**-.00717**	**.01488**	**.00309**
Stddev	.00153	.00757	.00032	.00040	.00160
%RSD	967.59	19.495	4.4881	2.6725	51.638
#1	-.00092	.04418	-.00694	.01516	.00422
#2	.00124	.03348	-.00740	.01460	.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3789.5**	**55969.**	**4303.6**
Stddev	7.5	79.	25.4
%RSD	.19670	.14146	.58932
#1	3794.8	56025.	4285.7
#2	3784.2	55913.	4321.5

Sample Name: 280-19410-a-11-e Acquired: 8/25/2011 23:59:11 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82948 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.08972**	**-.00189**	**.01173**	**.07371**	**-.00001**	**.00150**	**9.9898**	**.00018**	**.00065**
Stddev	.00027	.00068	.00343	.00082	.00054	.00007	.00355	.0446	.00008	.00042
%RSD	89.322	.75396	181.34	6.9514	.73673	796.57	236.76	.44668	43.871	64.388
#1	.00011	.09019	.00053	.01230	.07332	-.00006	.00401	9.9583	.00024	.00094
#2	.00050	.08924	-.00432	.01115	.07409	.00004	-.00101	10.021	.00013	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.02520**	**.07077**	**1.8035**	**.00273**	**1.4166**	**.04326**	**-.00033**	**298.06**	**.00104**
Stddev	.00003	.00040	.00077	.0095	.00230	.0001	.00007	.00012	.21	.00041
%RSD	5.9332	1.5717	1.0877	.52646	84.166	.00448	.15659	35.897	.06968	39.298
#1	.00048	.02548	.07131	1.7968	.00111	1.4166	.04331	-.00025	298.21	.00075
#2	.00044	.02492	.07023	1.8103	.00436	1.4165	.04321	-.00042	297.91	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01949**	**-.00032**	**.08367**	**-.00288**	**-.00164**	**.70830**	**-.00044**	**.04285**	**-.00314**	**.00387**
Stddev	.00051	.00059	.00115	.00021	.00432	.02359	.00157	.00007	.00012	.00001
%RSD	2.5938	182.29	1.3743	7.1631	264.19	3.3306	353.04	.15597	3.9680	.16538
#1	.01985	-.00074	.08448	-.00303	-.00470	.69161	-.00155	.04290	-.00305	.00387
#2	.01913	.00009	.08286	-.00273	.00142	.72498	.00066	.04280	-.00323	.00387
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.05009**	**-.00026**	**.00405**	**.00174**
Stddev	.00006	.07347	.00049	.00036	.00104
%RSD	24.563	146.66	190.04	8.8285	60.111
#1	-.00029	-.00186	-.00061	.00430	.00100
#2	-.00021	.10204	.00009	.00379	.00247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3825.6**	**56845.**	**4298.6**
Stddev	5.7	27.	.6
%RSD	.14850	.04820	.01455
#1	3829.6	56865.	4299.1
#2	3821.5	56826.	4298.2

Sample Name: 280-19410-a-11-e SD@ Acquired: 8/26/2011 0:01:52 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82948 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.01825**	**-.00041**	**.00247**	**.01501**	**.00003**	**-.00060**	**2.0469**	**.00021**	**.00024**
Stddev	.00080	.00009	.00481	.00066	.00080	.00002	.00195	.0068	.00003	.00018
%RSD	229.95	.49617	1161.0	26.702	5.3376	60.437	327.34	.33370	13.820	75.794
#1	-.00091	.01819	-.00381	.00294	.01444	.00002	.00078	2.0421	.00024	.00036
#2	.00022	.01831	.00298	.00200	.01557	.00005	-.00197	2.0518	.00019	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00585**	**.01296**	**.45456**	**.00125**	**.29935**	**.00897**	**-.00049**	**60.517**	**-.00012**
Stddev	.0004	.00053	.00287	.04075	.00029	.00138	.00001	.00009	.011	.00036
%RSD	7915.7	9.0620	22.148	8.9652	23.254	.46228	.16124	18.626	.01870	309.57
#1	.00025	.00548	.01499	.48338	.00145	.30033	.00896	-.00043	60.525	.00014
#2	-.00026	.00623	.01093	.42575	.00104	.29837	.00898	-.00056	60.509	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00390**	**-.00086**	**.01282**	**-.00159**	**-.00163**	**.14857**	**-.00045**	**.00872**	**-.00275**	**.00082**
Stddev	.00363	.00031	.00697	.00150	.00431	.04535	.00064	.00000	.00197	.00005
%RSD	92.948	35.849	54.369	94.722	264.65	30.524	140.69	.03260	71.474	5.5380
#1	.00647	-.00064	.01775	-.00052	-.00468	.11650	-.00091	.00872	-.00136	.00085
#2	.00134	-.00108	.00789	-.00265	.00142	.18063	.00000	.00872	-.00414	.00079
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00154**	**.02239**	**.00020**	**.00355**	**.00205**
Stddev	.00179	.01286	.00001	.00087	.00348
%RSD	116.31	57.431	5.3273	24.462	169.38
#1	.00280	.01330	.00019	.00294	.00452
#2	.00027	.03148	.00021	.00417	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3951.9**	**59267.**	**4310.0**
Stddev	10.4	67.	2.4
%RSD	.26366	.11337	.05477
#1	3959.2	59314.	4311.6
#2	3944.5	59219.	4308.3

Sample Name: 280-19410-a-11-f ms Acquired: 8/26/2011 0:04:28 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82948 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .14244	.43541	.57502	.16341	1.7305	.00833	.40615	17.879	.15123	.08797
Stddev	.00157	.00522	.00022	.00175	.0009	.00009	.00157	.016	.00060	.00038
%RSD	1.1047	1.1987	.03837	1.0738	.05138	1.0513	.38632	.09056	.39922	.43535
#1	.14355	.43910	.57517	.16217	1.7312	.00826	.40504	17.891	.15081	.08824
#2	.14133	.43172	.57486	.16465	1.7299	.00839	.40726	17.868	.15166	.08770
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000									
Low Limit	-.01000									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.67766	.33073	.24190	10.550	.17102	9.8021	.12872	.16015	298.39	.08626
Stddev	.00146	.00133	.00152	.005	.00054	.0346	.00032	.00084	.81	.00006
%RSD	.21540	.40163	.63030	.05068	.31713	.35288	.24815	.52672	.27245	.06631
#1	.67869	.33167	.24082	10.554	.17064	9.8266	.12895	.16074	297.82	.08622
#2	.67662	.32979	.24298	10.546	.17140	9.7777	.12850	.15955	298.96	.08630
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.7870	.71860	.07529	.07816	.48565	2.1544	.31624	.21620	.16923	.16667
Stddev	.0070	.00131	.00021	.00023	.00225	.0007	.00059	.00051	.00181	.00043
%RSD	.39423	.18214	.28037	.28931	.46366	.03192	.18803	.23570	1.0672	.26092
#1	1.7821	.71768	.07544	.07832	.48725	2.1549	.31582	.21584	.16795	.16698
#2	1.7920	.71953	.07514	.07800	.48406	2.1539	.31666	.21656	.17051	.16636
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.34338	.37872	.09294	.35527	.08261
Stddev	.00087	.02663	.00096	.00077	.00219
%RSD	.25335	7.0323	1.0352	.21743	2.6550
#1	.34277	.39755	.09362	.35581	.08416
#2	.34400	.35989	.09226	.35472	.08106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3797.5	56102.	4340.9
Stddev	7.2	256.	1.5
%RSD	.18998	.45707	.03385
#1	3802.6	55920.	4339.9
#2	3792.4	56283.	4341.9

Sample Name: 280-19410-a-11-g du Acquired: 8/26/2011 0:07:01 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82948 TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.08475**	**.00234**	**.01130**	**.07142**	**.00005**	**-.00089**	**9.5527**	**.00012**	**.00073**
Stddev	.00032	.00085	.00234	.00035	.00000	.00003	.00157	.0098	.00003	.00016
%RSD	87.015	1.0082	99.906	3.1065	.00554	61.402	176.24	.10256	21.641	22.050
#1	-.00014	.08414	.00399	.01105	.07142	.00007	-.00200	9.5457	.00010	.00061
#2	-.00060	.08535	.00069	.01155	.07142	.00003	.00022	9.5596	.00014	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.02421**	**.08674**	**1.7402**	**.00488**	**1.3615**	**.04441**	**.00072**	**286.65**	**.00117**
Stddev	.00041	.00003	.00105	.0262	.00543	.0037	.00005	.00025	.71	.00008
%RSD	90.452	.11694	1.2057	1.5080	111.30	.27114	.12278	34.531	.24887	6.7076
#1	.00016	.02423	.08600	1.7216	.00872	1.3642	.04445	.00054	286.15	.00112
#2	.00075	.02419	.08748	1.7588	.00104	1.3589	.04437	.00090	287.16	.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02000**	**-.00039**	**.08362**	**-.00075**	**.00305**	**.68549**	**.00020**	**.04134**	**-.00048**	**.00384**
Stddev	.00389	.00160	.00248	.00217	.00409	.01521	.00086	.00028	.00150	.00004
%RSD	19.425	412.60	2.9664	287.85	133.96	2.2183	439.28	.68143	312.24	.91445
#1	.02275	-.00152	.08186	-.00229	.00016	.69624	-.00041	.04114	.00058	.00382
#2	.01726	.00074	.08537	.00078	.00594	.67473	.00081	.04153	-.00154	.00387
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.03179**	**-.00059**	**.00425**	**.00366**
Stddev	.00039	.02187	.00091	.00018	.00110
%RSD	81.457	68.781	155.20	4.1866	30.136
#1	.00076	.01633	-.00123	.00412	.00444
#2	.00021	.04725	.00006	.00438	.00288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3851.2**	**56722.**	**4316.1**
Stddev	1.1	64.	2.6
%RSD	.02878	.11310	.06024
#1	3850.5	56767.	4318.0
#2	3852.0	56676.	4314.3

Sample Name: CCVH-940568 Acquired: 8/26/2011 0:09:40 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02073**	**50.270**	**-.00530**	**.00032**	**-.00051**	**-.00019**	**1.0521**	**.01205**	**-.00119**	**.00194**	**.00029**	**-.00151**	**51.112**
Stddev	.00018	.045	.00086	.00027	.00009	.00012	.0006	.00288	.00005	.00030	.00020	.00027	.042
%RSD	.88578	.08870	16.139	86.944	18.111	63.856	.06196	23.914	3.9976	15.405	67.634	17.887	.08305
#1	-.02060	50.302	-.00591	.00012	-.00057	-.00010	1.0526	.01409	-.00122	.00215	.00015	-.00170	51.142
#2	-.02086	50.239	-.00470	.00051	-.00044	-.00027	1.0516	.01001	-.00116	.00173	.00043	-.00132	51.082
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22477**	**.00394**	**-.10947**	**-.00019**	**-.00229**	**265.36**	**.00121**	**.00185**	**-.00179**	**5.0861**	**-.01138**	**.01112**	**.01747**
Stddev	.03304	.00117	.00072	.00000	.00066	.48	.00003	.00197	.00016	.0183	.00211	.00174	.03130
%RSD	14.700	29.757	.66049	.49907	28.917	.18183	2.2892	106.15	9.1372	.36008	18.545	15.631	179.21
#1	.24814	.00477	-.10999	-.00019	-.00276	265.70	.00123	.00046	-.00167	5.0991	-.00989	.01235	.03960
#2	.20141	.00311	-.10896	-.00019	-.00182	265.02	.00119	.00325	-.00190	5.0732	-.01287	.00989	-.00467
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00136**	**.00047**	**5.0862**	**.00086**	**.00445**	**10.619**	**-.00914**	**.00260**	**.01265**
Stddev	.00112	.00003	.0076	.00005	.00214	.019	.00016	.00009	.00208
%RSD	82.134	7.0742	.14891	5.4849	48.138	.18329	1.7484	3.3398	16.415
#1	.00057	.00044	5.0915	.00090	.00597	10.632	-.00902	.00266	.01118
#2	.00216	.00049	5.0808	.00083	.00294	10.605	-.00925	.00254	.01412
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3858.5**	**57402.**	**4290.5**
Stddev	20.4	55.	14.4
%RSD	.52777	.09518	.33615
#1	3872.9	57363.	4280.3
#2	3844.1	57441.	4300.7

Sample Name: CCV-940591 Acquired: 8/26/2011 0:12:12 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53253**	**.53674**	**1.0288**	**.50021**	**.52161**	**.49302**	**.00393**	**4.9974**	**.51711**	**.51758**	**.51682**	**.52204**	**2.4613**	**50.698**
Stddev	.00019	.00320	.0032	.00103	.00040	.00001	.00203	.0231	.00065	.00084	.00056	.00045	.0077	.024
%RSD	.03597	.59529	.30828	.20676	.07730	.00290	51.571	.46171	.12489	.16266	.10816	.08692	.31413	.04729
#1	.53267	.53449	1.0310	.50094	.52190	.49303	.00250	5.0137	.51757	.51699	.51722	.52236	2.4668	50.682
#2	.53240	.53900	1.0266	.49948	.52133	.49301	.00536	4.9811	.51666	.51818	.51643	.52172	2.4558	50.715
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0039**	**20.728**	**.51633**	**.51630**	**5.3963**	**.51329**	**.99866**	**1.0321**	**.00102**	**1.0082**	**1.0277**	**4.7619**	**1.0319**	**.51881**
Stddev	.0027	.013	.00002	.00130	.0135	.00055	.00462	.0002	.00138	.0004	.0004	.0120	.0004	.00010
%RSD	.26592	.06439	.00298	.25124	.24949	.10654	.46248	.02068	135.48	.04214	.04198	.25179	.04337	.01932
#1	1.0020	20.738	.51631	.51722	5.4058	.51291	1.0019	1.0319	.00004	1.0079	1.0280	4.7534	1.0322	.51888
#2	1.0058	20.719	.51634	.51539	5.3867	.51368	.99540	1.0322	.00200	1.0085	1.0274	4.7704	1.0316	.51874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.51196**	**1.0543**	**.01242**	**.52336**	**.52101**	**.50068**
Stddev	.00173	.00034	.0002	.00291	.00057	.00035	.00061
%RSD	379.20	.06708	.02129	23.406	.10898	.06657	.12136
#1	.00168	.51220	1.0545	.01447	.52376	.52076	.50111
#2	-.00077	.51171	1.0542	.01036	.52295	.52125	.50025
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3930.6**	**58362.**	**4280.8**
Stddev	.0	45.	6.3
%RSD	.00001	.07625	.14662
#1	3930.6	58330.	4285.2
#2	3930.6	58393.	4276.4

Sample Name: CCB Acquired: 8/26/2011 0:14:37 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**-.00027**	**.00237**	**-.00026**	W **-.00070**	**-.00009**	**.00058**	**-.00235**	**.00020**	**.00021**
Stddev	.00014	.00038	.00033	.00004	.00005	.00008	.00115	.00165	.00000	.00007
%RSD	45.934	143.14	14.104	13.660	6.9334	93.453	197.70	70.188	2.2844	30.481
#1	-.00042	.00000	.00261	-.00028	-.00074	-.00003	-.00023	-.00118	.00020	.00017
#2	-.00021	-.00054	.00214	-.00023	-.00067	-.00014	.00140	-.00351	.00021	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit					.00058					
Low Limit					-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00094**	**-.00121**	**.12186**	F **.00576**	**.00171**	**-.00004**	**.00281**	F **.12581**	**-.00016**
Stddev	.00019	.00002	.00083	.04619	.00155	.00228	.00003	.00084	.01199	.00014
%RSD	497.71	2.6440	68.485	37.906	26.881	133.30	70.114	29.997	9.5287	84.477
#1	-.00010	.00092	-.00179	.15453	.00686	.00010	-.00002	.00221	.13428	-.00026
#2	.00017	.00095	-.00062	.08920	.00467	.00332	-.00007	.00340	.11733	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					.00522				.10000	
Low Limit					-.00522				-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00152**	**-.00153**	**-.00507**	F **.01088**	W **.00725**	**-.00817**	**.00022**	**.00017**	**-.00244**	**.00048**
Stddev	.00294	.00033	.00024	.00224	.00036	.01203	.00053	.00016	.00134	.00053
%RSD	192.73	21.720	4.7880	20.601	5.0186	147.37	241.23	91.995	54.964	109.47
#1	-.00360	-.00129	-.00490	.00930	.00751	-.01667	-.00015	.00006	-.00339	.00085
#2	.00055	-.00176	-.00524	.01247	.00700	.00034	.00059	.00028	-.00149	.00011
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00628	.00486					
Low Limit				-.00628	-.00486					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00133**	**.04687**	**-.00018**	**.00079**	W **.00443**
Stddev	.00039	.01735	.00008	.00020	.00051
%RSD	29.301	37.013	41.838	24.956	11.624
#1	.00160	.03460	-.00013	.00065	.00406
#2	.00105	.05913	-.00023	.00093	.00479
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					.00238
Low Limit					-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3995.6**	**60358.**	**4264.8**
Stddev	4.1	53.	.9
%RSD	.10318	.08827	.02072
#1	3992.7	60396.	4264.2
#2	3998.5	60321.	4265.5

Sample Name: CCVL942742 Acquired: 8/26/2011 0:17:14 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01097**	**.10749**	**.01336**	**.10120**	**.01050**	**.00098**	F **.13352**	**.19995**	**.00544**	**.01086**	**.01071**
Stddev	.00069	.00148	.00140	.00092	.00024	.00002	.00107	.00135	.00047	.00015	.00018
%RSD	6.3327	1.3780	10.499	.90848	2.3338	1.5938	.80366	.67358	8.6055	1.3855	1.7147
#1	.01146	.10854	.01237	.10055	.01067	.00097	.13428	.20090	.00510	.01075	.01058
#2	.01048	.10644	.01436	.10185	.01032	.00100	.13276	.19899	.00577	.01097	.01084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01723**	**.09394**	**3.1584**	F **.01383**	**.21731**	**.01071**	**.02002**	**1.1672**	**.04236**	**2.9160**	**.00884**
Stddev	.00079	.00157	.0024	.00334	.00006	.00002	.00017	.0015	.00068	.0048	.00223
%RSD	4.5946	1.6668	.07555	24.128	.02887	.14930	.83675	.13133	1.5964	.16432	25.266
#1	.01779	.09283	3.1601	.01619	.21727	.01070	.01990	1.1683	.04188	2.9126	.00726
#2	.01667	.09505	3.1568	.01147	.21736	.01073	.02014	1.1661	.04284	2.9194	.01041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00118**	**.01185**	**.01730**	**.47307**	**.10217**	**.01058**	**.01214**	**.01018**	F **.02020**	F **.09608**	**.01011**
Stddev	.00406	.00130	.00519	.01969	.00049	.00006	.00050	.00018	.00109	.01413	.00023
%RSD	343.71	11.001	30.007	4.1612	.48252	.54838	4.1553	1.7414	5.3901	14.708	2.3126
#1	.00169	.01092	.02097	.48699	.10252	.01054	.01178	.01031	.01943	.10607	.00995
#2	-.00405	.01277	.01363	.45915	.10182	.01062	.01250	.01005	.02097	.08609	.01028
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
Value									.01500	.06000	
Range									30.000%	30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02277**	W **.01823**
Stddev	.00044	.00081
%RSD	1.9232	4.4683
#1	.02246	.01881
#2	.02308	.01765
Check ?	Chk Pass	Chk Warn
Value		.01500
Range		20.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4015.9**	**60371.**	**4288.3**
Stddev	2.2	42.	4.0
%RSD	.05477	.06970	.09366
#1	4014.4	60341.	4285.4
#2	4017.5	60401.	4291.1

Sample Name: mb 280-82830/1-a Acquired: 8/26/2011 0:19:48 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82830 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00067**	**-.00366**	**.00033**	W **-.00078**	**-.00015**	**-.00097**	**.00689**	**-.00005**	**-.00003**
Stddev	.00053	.00082	.00484	.00064	.00012	.00001	.00115	.00329	.00017	.00014
%RSD	499.55	121.89	132.31	192.10	15.158	5.1094	118.05	47.721	352.83	402.04
#1	.00048	.00009	-.00708	-.00012	-.00087	-.00014	-.00016	.00921	-.00017	-.00013
#2	-.00027	.00125	-.00024	.00078	-.00070	-.00015	-.00179	.00456	.00007	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00058					
Low Limit					-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00070**	**.00065**	**-.01292**	W **.00291**	**.00443**	**.00010**	**.00002**	W **.10436**	**-.00035**
Stddev	.00009	.00062	.00354	.00632	.00202	.00209	.00006	.00015	.01828	.00015
%RSD	176.97	89.095	545.64	48.951	69.593	47.128	64.314	717.29	17.517	44.236
#1	-.00001	.00026	-.00186	-.00845	.00434	.00296	.00005	-.00009	.11729	-.00024
#2	.00011	.00114	.00316	-.01739	.00148	.00591	.00014	.00013	.09143	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00261				.09160	
Low Limit					-.00261				-.09160	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00208**	**-.00019**	**.00270**	**.00165**	**.00021**	**-.01319**	**-.00037**	**.00017**	**-.00077**	**.00049**
Stddev	.00037	.00018	.00056	.00230	.00309	.02492	.00011	.00022	.00065	.00034
%RSD	17.946	98.636	20.634	139.14	1482.7	188.85	29.733	126.04	84.400	69.273
#1	-.00234	-.00006	.00309	.00328	-.00198	-.03081	-.00030	.00002	-.00122	.00025
#2	-.00182	-.00032	.00230	.00003	.00239	.00443	-.00045	.00032	-.00031	.00073
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00111**	W **.03527**	**-.00017**	**.00165**	**.00369**
Stddev	.00074	.01895	.00073	.00021	.00157
%RSD	66.652	53.724	430.88	12.763	42.516
#1	.00059	.02187	.00035	.00150	.00480
#2	.00163	.04867	-.00069	.00180	.00258
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.01610			
Low Limit		-.01610			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4050.9**	**61139.**	**4314.2**
Stddev	10.6	121.	20.2
%RSD	.26179	.19775	.46834
#1	4043.4	61053.	4299.9
#2	4058.4	61224.	4328.4

Sample Name: lcs 280-82830/2-a Acquired: 8/26/2011 0:22:27 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82830 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04875**	**1.8889**	**1.0001**	**1.0308**	**2.0167**	**.04793**	F **2.3272**	**47.609**	**.10364**	**.48914**
Stddev	.00014	.0090	.0060	.0016	.0112	.00008	.0089	.375	.00012	.00040
%RSD	.27969	.47415	.60114	.15864	.55560	.17590	.38217	.78710	.11510	.08238
#1	.04884	1.8952	.99581	1.0297	2.0246	.04799	2.3209	47.874	.10355	.48886
#2	.04865	1.8825	1.0043	1.0320	2.0087	.04787	2.3335	47.344	.10372	.48943
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19949**	**.25038**	**.95130**	**49.409**	**.95904**	**49.439**	**.49056**	**1.0605**	**51.180**	**.48308**
Stddev	.00069	.00099	.00128	.220	.00183	.053	.00058	.0015	.206	.00070
%RSD	.34741	.39418	.13433	.44597	.19112	.10633	.11824	.13733	.40295	.14485
#1	.19900	.24968	.95039	49.565	.96033	49.402	.49015	1.0615	51.035	.48357
#2	.19998	.25108	.95220	49.254	.95774	49.476	.49097	1.0595	51.326	.48258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8671**	**.48970**	**-.00417**	**.53248**	**2.0036**	**9.8480**	**2.0943**	**1.0029**	**.97858**	**1.0642**
Stddev	.0218	.00024	.00165	.00142	.0001	.0268	.0000	.0057	.00116	.0022
%RSD	.22061	.04919	39.516	.26596	.00554	.27203	.00036	.57288	.11833	.20613
#1	9.8517	.48953	-.00301	.53147	2.0035	9.8669	2.0943	1.0070	.97776	1.0626
#2	9.8824	.48987	-.00534	.53348	2.0037	9.8291	2.0943	.99889	.97939	1.0657
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9993**	**2.1009**	**.50393**	**.49305**	**.52762**
Stddev	.0028	.0167	.00158	.00034	.00667
%RSD	.14119	.79482	.31428	.06867	1.2635
#1	1.9973	2.0891	.50281	.49281	.53234
#2	2.0013	2.1127	.50505	.49329	.52291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3883.0**	**57724.**	**4302.5**
Stddev	1.2	53.	6.4
%RSD	.03076	.09169	.14881
#1	3882.1	57761.	4297.9
#2	3883.8	57686.	4307.0

Sample Name: 280-19426-h-1-a Acquired: 8/26/2011 0:24:49 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82830 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**.00223**	**.00156**	**.14874**	**.17102**	**-.00004**	**.00308**	**25.625**	**.00022**	**.00023**
Stddev	.00042	.00086	.00002	.00019	.00062	.00005	.00598	.129	.00029	.00034
%RSD	131.44	38.666	1.5597	.12930	.36421	102.59	193.92	.50385	133.61	147.54
#1	-.00002	.00162	.00158	.14887	.17146	-.00001	.00731	25.716	.00001	-.00001
#2	-.00061	.00284	.00155	.14860	.17058	-.00008	-.00114	25.534	.00042	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00177**	**.12715**	**4.6530**	**.03347**	**16.682**	**.27033**	**.01334**	**150.73**	**-.00001**
Stddev	.00008	.00045	.00206	.0302	.00045	.016	.00041	.00119	.61	.00001
%RSD	194.59	25.606	1.6211	.64918	1.3375	.09518	.15217	8.9171	.40427	59.073
#1	-.00009	.00209	.12861	4.6317	.03315	16.693	.27062	.01250	150.30	-.00001
#2	.00001	.00145	.12569	4.6744	.03379	16.670	.27004	.01418	151.16	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09782**	**-.00032**	**12.588**	**-.00160**	**.00869**	**13.011**	**-.00015**	**.26620**	**-.00189**	**.00014**
Stddev	.00052	.00051	.029	.00065	.00261	.105	.00041	.00118	.00032	.00008
%RSD	.53083	157.82	.23348	40.633	30.075	.80636	262.93	.44219	16.774	58.548
#1	.09819	-.00068	12.609	-.00206	.00684	13.085	-.00044	.26703	-.00211	.00019
#2	.09745	.00004	12.567	-.00114	.01054	12.937	.00013	.26537	-.00167	.00008
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00304**	**.03334**	**-.00601**	**.00163**	**.00212**
Stddev	.00011	.01258	.00058	.00021	.00006
%RSD	3.6643	37.735	9.6522	12.606	3.0360
#1	.00297	.02444	-.00642	.00178	.00208
#2	.00312	.04223	-.00560	.00149	.00217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3911.6**	**57593.**	**4300.2**
Stddev	1.5	200.	9.5
%RSD	.03883	.34767	.22069
#1	3910.6	57451.	4293.5
#2	3912.7	57734.	4306.9

Sample Name: 280-19426-h-1-aSD@5 Acquired: 8/26/2011 0:27:23 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82830 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00037	.00035	.00101	.03062	.03414	-.00001	.00124	5.2133	.00006	-.00030
Stddev	.00034	.00348	.00262	.00024	.00031	.00009	.00160	.0041	.00007	.00006
%RSD	92.272	987.57	260.64	.79094	.89469	897.92	129.16	.07935	104.75	19.084
#1	.00013	-.00211	-.00085	.03045	.03392	-.00007	.00011	5.2162	.00011	-.00034
#2	.00061	.00282	.00286	.03079	.03436	.00005	.00237	5.2104	.00002	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	.00115	.02762	1.0082	.00830	3.4081	.05517	.00199	30.988	-.00007
Stddev	.00015	.00023	.00020	.0297	.00256	.0094	.00014	.00015	.089	.00011
%RSD	229.15	20.393	.71304	2.9427	30.799	.27490	.26097	7.5621	.28588	146.74
#1	.00004	.00098	.02748	1.0292	.01010	3.4148	.05527	.00189	30.925	-.00015
#2	-.00017	.00132	.02776	.98726	.00649	3.4015	.05507	.00210	31.050	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01601	-.00203	2.4442	-.00142	-.00044	2.5899	-.00041	.05364	-.00123	.00002
Stddev	.00071	.00117	.0066	.00064	.00035	.0075	.00003	.00009	.00173	.00103
%RSD	4.4296	57.751	.26945	44.944	78.466	.28877	7.4596	.16390	140.92	4707.5
#1	.01551	-.00120	2.4395	-.00097	-.00068	2.5952	-.00043	.05371	.00000	-.00070
#2	.01651	-.00286	2.4488	-.00187	-.00020	2.5846	-.00039	.05358	-.00245	.00075
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00120	.02441	-.00126	.00291	.00327
Stddev	.00056	.02876	.00002	.00006	.00026
%RSD	46.529	117.80	1.3249	2.0770	7.9717
#1	.00080	.00408	-.00127	.00287	.00309
#2	.00159	.04475	-.00124	.00295	.00345
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3966.3	59311.	4323.7
Stddev	5.4	98.	4.3
%RSD	.13613	.16509	.09959
#1	3962.5	59242.	4320.6
#2	3970.2	59381.	4326.7

Sample Name: 280-19426-h-1-b ms Acquired: 8/26/2011 0:29:58 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82830 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05038**	**1.8977**	**1.0468**	**1.1611**	**2.2309**	**.04860**	**2.3482**	**74.047**	**.10709**	**.49613**
Stddev	.00011	.0191	.0009	.0021	.0016	.00031	.0081	.112	.00009	.00078
%RSD	.21743	1.0063	.08959	.17782	.07197	.63088	.34491	.15116	.08329	.15757
#1	.05046	1.9112	1.0475	1.1597	2.2298	.04838	2.3539	74.126	.10716	.49669
#2	.05031	1.8842	1.0462	1.1626	2.2321	.04881	2.3424	73.968	.10703	.49558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20242**	**.25642**	**1.0538**	**56.097**	**1.0262**	**67.227**	**.77579**	**1.0443**	**203.76**	**.48867**
Stddev	.00023	.00074	.0007	.056	.0064	.009	.00022	.0022	.20	.00083
%RSD	.11284	.28946	.06904	.09939	.62350	.01351	.02886	.21047	.09589	.17070
#1	.20258	.25589	1.0544	56.137	1.0216	67.220	.77563	1.0458	203.63	.48926
#2	.20226	.25694	1.0533	56.058	1.0307	67.233	.77595	1.0427	203.90	.48808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.340**	**.49237**	**12.785**	**.52233**	**2.0798**	**22.473**	**2.0429**	**1.2934**	**1.0049**	**1.0518**
Stddev	.013	.00252	.016	.00261	.0099	.060	.0057	.0014	.0000	.0005
%RSD	.12121	.51096	.12142	.49904	.47649	.26576	.27958	.10425	.00252	.04631
#1	10.349	.49415	12.796	.52049	2.0868	22.515	2.0469	1.2925	1.0049	1.0521
#2	10.332	.49059	12.774	.52417	2.0728	22.431	2.0389	1.2944	1.0049	1.0515
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**1.9665**	**2.1486**	**.51612**	**.51108**	**.50958**
Stddev	.0018	.0162	.00054	.00287	.00310
%RSD	.09326	.75560	.10476	.56237	.60818
#1	1.9678	2.1601	.51574	.51311	.50739
#2	1.9652	2.1371	.51650	.50905	.51177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3816.7**	**55985.**	**4304.5**
Stddev	4.4	9.	1.4
%RSD	.11418	.01520	.03261
#1	3813.7	55979.	4305.5
#2	3819.8	55991.	4303.5

Sample Name: 280-19426-h-1-c msd Acquired: 8/26/2011 0:32:19 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82830 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05203**	**1.9359**	**1.0776**	**1.0904**	**2.3083**	**.05084**	**2.4263**	**76.253**	**.11043**	**.51069**
Stddev	.00064	.0038	.0034	.0007	.0052	.00034	.0062	.037	.00018	.00028
%RSD	1.2241	.19546	.31775	.06244	.22594	.66081	.25430	.04838	.16130	.05559
#1	.05158	1.9385	1.0800	1.0899	2.3120	.05108	2.4220	76.279	.11030	.51049
#2	.05248	1.9332	1.0752	1.0909	2.3046	.05061	2.4307	76.227	.11055	.51089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20832**	**.26505**	**1.1084**	**57.982**	**1.0599**	**68.413**	**.79250**	**.98298**	**206.55**	**.50547**
Stddev	.00010	.00063	.0048	.129	.0050	.018	.00010	.00049	.16	.00039
%RSD	.05027	.23763	.43538	.22230	.47044	.02703	.01223	.04987	.07956	.07810
#1	.20825	.26460	1.1118	58.073	1.0635	68.400	.79243	.98332	206.67	.50519
#2	.20840	.26549	1.1049	57.891	1.0564	68.426	.79257	.98263	206.44	.50575
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.630**	**.50936**	**12.798**	**.48555**	**2.1419**	**22.297**	**1.9040**	**1.3361**	**1.0412**	**.97796**
Stddev	.006	.00034	.007	.00079	.0020	.053	.0007	.0036	.0017	.00072
%RSD	.05277	.06661	.05267	.16283	.09155	.23953	.03889	.27219	.16297	.07375
#1	10.634	.50912	12.794	.48500	2.1433	22.334	1.9045	1.3387	1.0424	.97847
#2	10.626	.50960	12.803	.48611	2.1405	22.259	1.9034	1.3336	1.0400	.97745
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0195**	**2.2061**	**.52909**	**.52451**	**.48562**
Stddev	.0018	.0519	.00094	.00248	.00128
%RSD	.08643	2.3520	.17784	.47283	.26365
#1	2.0183	2.1694	.52843	.52626	.48653
#2	2.0207	2.2428	.52976	.52275	.48472
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3839.1**	**56654.**	**4286.0**
Stddev	8.9	4.	25.2
%RSD	.23070	.00658	.58784
#1	3845.4	56651.	4268.2
#2	3832.8	56656.	4303.8

Sample Name: 280-19426-h-2-a Acquired: 8/26/2011 0:34:40 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82830 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	-.00046	.00227	.15168	.18056	.00004	.00246	25.786	.00043	.00026
Stddev	.00089	.00107	.00299	.00055	.00072	.00002	.00126	.039	.00007	.00007
%RSD	1376.0	230.74	131.68	.36496	.39826	45.499	51.151	.15256	16.060	27.013
#1	.00056	-.00122	.00016	.15129	.18107	.00003	.00335	25.813	.00038	.00021
#2	-.00069	.00029	.00439	.15207	.18005	.00005	.00157	25.758	.00047	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	.00192	.09258	4.6937	.03252	16.508	.26758	.01335	150.79	.00011
Stddev	.00002	.00036	.00416	.0110	.00273	.015	.00014	.00145	.16	.00018
%RSD	43.301	18.936	4.4923	.23526	8.4008	.08790	.05289	10.845	.10938	163.19
#1	.00002	.00217	.09552	4.6859	.03445	16.518	.26748	.01233	150.91	.00024
#2	.00005	.00166	.08964	4.7015	.03059	16.497	.26768	.01438	150.67	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09947	-.00007	12.585	-.00130	.01016	13.013	-.00026	.26686	-.00139	.00040
Stddev	.00195	.00173	.002	.00108	.00257	.053	.00118	.00038	.00086	.00005
%RSD	1.9617	2550.1	.01263	82.977	25.288	.40390	455.29	.14139	61.993	13.855
#1	.10085	-.00129	12.584	-.00206	.00834	13.051	-.00109	.26712	-.00200	.00043
#2	.09809	.00115	12.586	-.00054	.01197	12.976	.00057	.26659	-.00078	.00036
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00344	.05919	-.00660	.00138	.00485
Stddev	.00139	.03857	.00045	.00017	.00397
%RSD	40.419	65.163	6.8404	12.418	81.885
#1	.00246	.03192	-.00628	.00126	.00766
#2	.00442	.08646	-.00692	.00150	.00204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3897.7	57953.	4328.6
Stddev	11.8	16.	10.3
%RSD	.30256	.02827	.23813
#1	3906.1	57964.	4335.9
#2	3889.4	57941.	4321.3

Sample Name: 280-19426-h-3-a Acquired: 8/26/2011 0:37:15 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82830 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00310**	**-.00296**	**.00228**	**-.00052**	**-.00005**	**.00150**	**.02342**	**.00039**	**-.00027**
Stddev	.00106	.00058	.00112	.00085	.00031	.00007	.00081	.00618	.00002	.00001
%RSD	739.66	18.681	37.923	37.486	58.741	147.64	53.830	26.401	4.1089	3.4608
#1	.00061	.00269	-.00216	.00288	-.00074	.00000	.00208	.02779	.00038	-.00026
#2	-.00089	.00351	-.00375	.00167	-.00030	-.00009	.00093	.01905	.00040	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00259**	**.00622**	**.06485**	**.00466**	**.00502**	**.00022**	**.00078**	**.58740**	**.00042**
Stddev	.00003	.00018	.00245	.02938	.00154	.00144	.00004	.00022	.00376	.00013
%RSD	283.90	7.0198	39.370	45.302	33.026	28.625	20.764	28.298	.63978	30.102
#1	.00001	.00272	.00795	.08563	.00357	.00400	.00018	.00063	.59006	.00033
#2	-.00003	.00246	.00449	.04408	.00575	.00603	.00025	.00094	.58474	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00197**	**-.00009**	**.01673**	**-.00094**	**.00104**	**-.00347**	**-.00024**	**.00026**	**-.00154**	**.00080**
Stddev	.00320	.00184	.00056	.00067	.00098	.00805	.00044	.00006	.00110	.00018
%RSD	162.22	2046.7	3.3623	70.831	94.345	231.69	188.70	23.992	71.564	22.217
#1	-.00423	.00121	.01713	-.00047	.00035	.00222	.00008	.00030	-.00231	.00093
#2	.00029	-.00139	.01634	-.00142	.00174	-.00917	-.00055	.00022	-.00076	.00067
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.02774**	**-.00039**	**.00377**	**.00247**
Stddev	.00124	.01199	.00020	.00015	.00015
%RSD	923.99	43.205	51.227	4.0688	5.9716
#1	-.00101	.03622	-.00025	.00388	.00257
#2	.00074	.01927	-.00053	.00366	.00236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4044.7**	**61335.**	**4356.9**
Stddev	1.2	53.	5.4
%RSD	.02867	.08622	.12372
#1	4043.9	61372.	4360.7
#2	4045.5	61298.	4353.1

Sample Name: CCVH-940568 Acquired: 8/26/2011 0:39:56 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02074**	**50.392**	**-.00195**	**.00258**	**-.00029**	**-.00006**	**1.0460**	**.02582**	**-.00121**	**.00213**	**.00029**	**-.00092**	**50.898**
Stddev	.00034	.003	.00264	.00015	.00020	.00012	.0006	.00625	.00009	.00016	.00030	.00002	.227
%RSD	1.6344	.00500	135.45	5.8203	68.298	212.24	.06024	24.201	7.2430	7.6632	102.16	1.8624	.44626
#1	-.02098	50.394	-.00008	.00269	-.00043	-.00014	1.0455	.03024	-.00127	.00202	.00008	-.00093	51.059
#2	-.02050	50.391	-.00381	.00248	-.00015	.00003	1.0464	.02140	-.00115	.00225	.00050	-.00091	50.737
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16891**	**.00400**	**-.10470**	**.00096**	**-.00201**	**267.81**	**.00134**	**.00045**	**-.00253**	**5.0941**	**-.00995**	**.01323**	**.00724**
Stddev	.04130	.00050	.00153	.00000	.00071	.01	.00002	.00095	.00010	.0052	.00141	.00025	.02553
%RSD	24.448	12.454	1.4599	.02382	35.644	.00366	1.2795	211.59	3.9692	.10211	14.176	1.8709	352.72
#1	.13971	.00436	-.10578	.00096	-.00251	267.81	.00135	.00112	-.00246	5.0977	-.01094	.01305	-.01081
#2	.19811	.00365	-.10362	.00096	-.00150	267.80	.00132	-.00022	-.00260	5.0904	-.00895	.01340	.02529
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00044**	**5.1041**	**.00120**	**.00459**	**10.642**	**-.00843**	**.00452**	**.01499**
Stddev	.00018	.00021	.0012	.00032	.00153	.006	.00023	.00030	.00365
%RSD	48.743	48.196	.02309	26.910	33.346	.05545	2.7805	6.7475	24.366
#1	.00048	.00029	5.1050	.00097	.00351	10.638	-.00827	.00430	.01241
#2	.00024	.00060	5.1033	.00143	.00567	10.647	-.00860	.00473	.01758
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3839.3**	**56873.**	**4216.1**
Stddev	1.4	62.	3.1
%RSD	.03522	.10815	.07420
#1	3840.2	56917.	4218.4
#2	3838.3	56830.	4213.9

Sample Name: CCV-940591 Acquired: 8/26/2011 0:42:28 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54057**	**.53887**	**1.0396**	**.52200**	**.52849**	**.50172**	**.00365**	**5.0477**	**.52647**	**.52504**	**.52379**	**.53122**	**2.4896**
Stddev	.00020	.00628	.0040	.00159	.00011	.00009	.00043	.0182	.00048	.00183	.00111	.00113	.0002
%RSD	.03723	1.1660	.38885	.30465	.02100	.01741	11.901	.36083	.09174	.34765	.21216	.21259	.00780
#1	.54043	.53443	1.0367	.52087	.52841	.50178	.00395	5.0606	.52613	.52375	.52301	.53043	2.4898
#2	.54071	.54331	1.0425	.52312	.52856	.50166	.00334	5.0349	.52681	.52633	.52458	.53202	2.4895
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.419**	**1.0165**	**21.064**	**.52429**	**.52004**	**5.3979**	**.52196**	**1.0203**	**1.0537**	**-.00063**	**1.0350**	**1.0407**	**4.9348**
Stddev	.020	.0021	.062	.00143	.00109	.0227	.00022	.0011	.0022	.00706	.0010	.0013	.0284
%RSD	.03866	.20172	.29490	.27325	.20918	.42037	.04137	.10533	.21126	1114.1	.09597	.12921	.57446
#1	51.433	1.0180	21.020	.52328	.52081	5.4139	.52181	1.0211	1.0553	.00436	1.0357	1.0417	4.9148
#2	51.404	1.0151	21.108	.52531	.51927	5.3818	.52211	1.0196	1.0522	-.00562	1.0343	1.0398	4.9549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0393**	**.52482**	**-.00138**	**.51712**	**1.0651**	**.04110**	**.52982**	**.52693**	**.51370**
Stddev	.0028	.00036	.00114	.00129	.0007	.02155	.00153	.00144	.00177
%RSD	.27305	.06859	82.815	.24897	.06401	52.435	.28808	.27414	.34490
#1	1.0413	.52508	-.00218	.51621	1.0656	.02586	.52874	.52591	.51495
#2	1.0373	.52457	-.00057	.51803	1.0646	.05633	.53090	.52795	.51244
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3929.0**	**58736.**	**4261.6**
Stddev	9.6	220.	19.9
%RSD	.24384	.37397	.46806
#1	3935.7	58891.	4247.5
#2	3922.2	58581.	4275.7

Sample Name: CCB Acquired: 8/26/2011 0:44:50 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**-.00022**	**.00254**	W **.00182**	W **-.00063**	**-.00003**	**.00242**	**.00103**	**.00030**	**.00004**
Stddev	.00046	.00039	.00148	.00012	.00005	.00000	.00004	.00219	.00031	.00005
%RSD	205.90	177.59	58.194	6.6699	7.8512	7.0845	1.6752	213.60	105.19	120.99
#1	.00054	.00006	.00149	.00190	-.00066	-.00003	.00244	.00257	.00008	.00001
#2	-.00010	-.00050	.00358	.00173	-.00059	-.00004	.00239	-.00052	.00052	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156	.00058					
Low Limit				-.00156	-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00070**	**-.00200**	**.13116**	W **.00321**	**.00127**	**-.00005**	**.00288**	F **.10261**	**.00005**
Stddev	.00036	.00058	.00048	.00526	.00505	.00095	.00002	.00111	.00300	.00044
%RSD	189.63	82.273	24.215	4.0129	157.37	74.704	35.405	38.414	2.9200	886.74
#1	-.00006	.00029	-.00166	.13488	.00677	.00060	-.00007	.00210	.10049	-.00026
#2	.00045	.00111	-.00234	.12743	-.00036	.00193	-.00004	.00366	.10472	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					.00261				.10000	
Low Limit					-.00261				-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00100**	**-.00036**	**.00411**	W **.00616**	W **.00515**	**.00645**	**.00127**	**.00004**	**-.00176**	**.00056**
Stddev	.00003	.00112	.00222	.00220	.00301	.01018	.00061	.00016	.00175	.00019
%RSD	2.7767	307.11	54.168	35.633	58.451	157.86	47.833	369.89	99.689	32.861
#1	-.00102	-.00115	.00253	.00461	.00302	.01365	.00084	-.00007	-.00052	.00043
#2	-.00098	.00043	.00568	.00772	.00727	-.00075	.00170	.00016	-.00299	.00069
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00314	.00486					
Low Limit				-.00314	-.00486					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.04021**	**-.00020**	**.00169**	W **.00298**
Stddev	.00010	.04306	.00007	.00029	.00231
%RSD	30.933	107.11	34.731	17.211	77.320
#1	.00025	.00975	-.00025	.00190	.00135
#2	.00038	.07066	-.00015	.00149	.00462
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					.00238
Low Limit					-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3955.3**	**60209.**	**4228.3**
Stddev	5.2	85.	8.7
%RSD	.13049	.14172	.20627
#1	3959.0	60269.	4222.1
#2	3951.7	60149.	4234.5

Sample Name: CCVL942742 Acquired: 8/26/2011 0:47:27 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01078**	**.10839**	**.01735**	**.10312**	**.01015**	**.00091**	F **.13014**	**.20140**	**.00564**	**.01059**	**.01065**
Stddev	.00083	.00011	.00120	.00025	.00062	.00003	.00351	.00088	.00007	.00011	.00009
%RSD	7.7402	.10036	6.8991	.24465	6.1193	2.8145	2.6957	.43916	1.2725	1.0607	.85675
#1	.01019	.10847	.01820	.10294	.00971	.00089	.12765	.20078	.00558	.01051	.01059
#2	.01137	.10831	.01650	.10330	.01059	.00093	.13262	.20203	.00569	.01067	.01072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01733**	**.09578**	**3.1700**	F **.01330**	**.21896**	**.01073**	**.02024**	**1.1652**	**.04256**	**2.9347**	**.00956**
Stddev	.00001	.00059	.0344	.00287	.00202	.00001	.00008	.0137	.00030	.0005	.00147
%RSD	.06061	.61513	1.0856	21.621	.92400	.10478	.39088	1.1787	.69545	.01748	15.418
#1	.01734	.09536	3.1944	.01126	.21753	.01073	.02018	1.1555	.04277	2.9343	.01060
#2	.01732	.09620	3.1457	.01533	.22039	.01072	.02029	1.1749	.04235	2.9350	.00852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.01000							
Range				30.000%							

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00958**	**.01586**	**.45352**	**.10274**	**.01079**	**.01315**	**.01062**	W **.01885**	F **.11027**	**.01033**
Stddev	.00347	.00046	.00146	.00208	.00080	.00020	.00093	.00044	.00119	.01052	.00034
%RSD	651.46	4.8042	9.2306	.45919	.77849	1.8647	7.0600	4.1077	6.3205	9.5380	3.2495
#1	.00298	.00925	.01690	.45205	.10331	.01065	.01250	.01093	.01970	.10283	.01009
#2	-.00192	.00990	.01483	.45500	.10218	.01093	.01381	.01032	.01801	.11771	.01057
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass
Value									.01500	.06000	
Range									20.000%	30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02299**	**.01664**
Stddev	.00093	.00100
%RSD	4.0504	5.9854
#1	.02364	.01734
#2	.02233	.01594
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4042.8**	**60723.**	**4301.2**
Stddev	4.0	159.	9.5
%RSD	.09799	.26242	.22054
#1	4045.6	60611.	4308.0
#2	4040.0	60836.	4294.5

Sample Name: mb 280-82736/1-a Acquired: 8/26/2011 0:50:02 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82736 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**-.00021**	**-.00211**	**.00009**	**-.00037**	**-.00007**	**.00077**	**.00028**	**-.00011**	**.00003**
Stddev	.00020	.00002	.00140	.00097	.00014	.00001	.00073	.00126	.00006	.00003
%RSD	55.748	7.5590	66.210	1084.5	37.441	17.247	95.127	449.51	55.804	103.79
#1	-.00021	-.00020	-.00112	.00078	-.00027	-.00008	.00128	.00118	-.00015	.00005
#2	-.00049	-.00022	-.00310	-.00060	-.00046	-.00006	.00025	-.00061	-.00007	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00115**	**.00107**	**.02020**	**.03703**	**.00147**	**-.00071**	**.00022**	**.00017**	**.06643**	**-.00015**
Stddev	.00013	.00005	.00142	.02781	.00189	.00277	.00007	.00029	.00394	.00004
%RSD	11.624	4.4632	7.0289	75.102	128.55	390.17	32.065	173.75	5.9312	25.014
#1	.00125	.00104	.02120	.05669	.00013	-.00267	.00017	-.00004	.06922	-.00018
#2	.00106	.00111	.01919	.01736	.00281	.00125	.00027	.00038	.06365	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00081**	**-.00439**	**-.00046**	**-.00474**	**-.02034**	**.00012**	**.00011**	**-.00176**	**.00045**
Stddev	.00122	.00128	.00394	.00154	.00235	.01703	.00087	.00001	.00005	.00065
%RSD	1898.8	158.82	89.862	336.38	49.616	83.768	716.35	4.7941	2.7524	145.57
#1	.00080	.00010	-.00718	.00063	-.00641	-.00829	-.00050	.00012	-.00172	-.00001
#2	-.00092	-.00172	-.00160	-.00155	-.00308	-.03238	.00074	.00011	-.00179	.00091
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00292**	**.04554**	**.00006**	**.00124**	**.00216**
Stddev	.00177	.00059	.00047	.00000	.00126
%RSD	60.531	1.2905	838.48	.16123	58.425
#1	.00417	.04595	-.00028	.00125	.00126
#2	.00167	.04512	.00039	.00124	.00305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4092.4**	**61877.**	**4384.9**
Stddev	12.1	150.	8.6
%RSD	.29637	.24241	.19548
#1	4083.9	61983.	4390.9
#2	4101.0	61771.	4378.8

Sample Name: lcs 280-82736/2-a Acquired: 8/26/2011 0:52:40 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82736 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05095**	**1.9945**	**1.0742**	**1.0592**	**2.1203**	**.05028**	F **2.4728**	**49.846**	F **.11089**	**.51402**
Stddev	.00026	.0270	.0037	.0005	.0009	.00002	.0026	.077	.00030	.00115
%RSD	.50181	1.3517	.34575	.05078	.04430	.04444	.10364	.15355	.27274	.22341
#1	.05077	2.0136	1.0716	1.0595	2.1210	.05030	2.4710	49.792	.11111	.51483
#2	.05113	1.9754	1.0769	1.0588	2.1196	.05027	2.4746	49.900	.11068	.51321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit							2.2000		.11000	
Low Limit							1.8000		.08700	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20778**	**.26314**	**.97966**	**52.336**	**1.0239**	**52.652**	**.51774**	**1.0435**	**54.655**	**.50788**
Stddev	.00021	.00155	.00595	.015	.0018	.092	.00118	.0023	.241	.00076
%RSD	.09947	.58870	.60762	.02865	.17417	.17488	.22820	.22249	.44077	.15051
#1	.20793	.26424	.97545	52.346	1.0227	52.717	.51857	1.0451	54.485	.50734
#2	.20764	.26205	.98387	52.325	1.0252	52.586	.51690	1.0418	54.826	.50842
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.631**	**.51967**	**-.01042**	**.53451**	F **2.2347**	**9.7181**	**2.0722**	**1.0570**	**1.0271**	**1.0527**
Stddev	.031	.00015	.00081	.00011	.0039	.0717	.0025	.0002	.0028	.0017
%RSD	.29584	.02830	7.7284	.01989	.17362	.73822	.12114	.02039	.27189	.16176
#1	10.654	.51957	-.00985	.53444	2.2375	9.6674	2.0740	1.0572	1.0291	1.0539
#2	10.609	.51978	-.01099	.53459	2.2320	9.7688	2.0704	1.0569	1.0252	1.0515
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					2.2000					
Low Limit					1.8000					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.1289**	**2.2059**	**.52844**	**.52623**	**.51998**
Stddev	.0050	.0151	.00203	.00143	.00162
%RSD	.23387	.68259	.38503	.27100	.31235
#1	2.1253	2.1953	.52988	.52724	.52113
#2	2.1324	2.2165	.52701	.52522	.51884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3926.1**	**58018.**	**4305.6**
Stddev	3.8	113.	14.6
%RSD	.09671	.19395	.33805
#1	3923.4	57938.	4315.9
#2	3928.8	58097.	4295.3

Sample Name: 280-19441-a-2-a Acquired: 8/26/2011 0:55:02 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82736 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00000	.00959	.00096	.03198	.13509	.00000	.00498	53.244	-.00012	.00028
Stddev	.0000	.00214	.00071	.00025	.00013	.00007	.00048	.003	.00008	.00025
%RSD	1396.2	22.280	74.062	.77223	.09651	20882.	9.7241	.00482	68.933	89.319
#1	-.00003	.00808	.00147	.03181	.13518	.00005	.00464	53.242	-.00017	.00010
#2	.00003	.01111	.00046	.03216	.13500	-.00005	.00533	53.245	-.00006	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01401	.00193	.01179	6.7642	.01063	34.136	.00062	.00890	24.443	.00042
Stddev	.00011	.00022	.00045	.0654	.00245	.084	.00002	.00185	.055	.00004
%RSD	.80409	11.554	3.8462	.96730	23.087	.24473	2.4429	20.745	.22481	10.028
#1	.01393	.00177	.01147	6.7179	.01236	34.077	.00063	.00760	24.404	.00045
#2	.01409	.00208	.01212	6.8105	.00889	34.195	.00060	.01021	24.482	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01504	-.00007	8.2898	.00001	.01613	5.7099	.00178	2.4629	-.00174	.00007
Stddev	.00385	.00191	.0156	.00081	.00408	.0007	.00037	.0055	.00114	.00019
%RSD	25.586	2760.7	.18774	9279.7	25.321	.01220	20.598	.22345	65.604	259.57
#1	.01232	.00128	8.3008	.00058	.01324	5.7104	.00152	2.4590	-.00093	-.00006
#2	.01777	-.00142	8.2788	-.00056	.01902	5.7094	.00204	2.4668	-.00255	.00020
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00496	.03679	.00152	.00410	.00448
Stddev	.00140	.00038	.00018	.00002	.00169
%RSD	28.213	1.0288	12.003	.59982	37.799
#1	.00595	.03653	.00139	.00408	.00328
#2	.00397	.03706	.00165	.00412	.00567
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	3979.0	58787.	4358.3
Stddev	.1	134.	3.7
%RSD	.00130	.22744	.08552
#1	3979.0	58881.	4360.9
#2	3978.9	58692.	4355.6

Sample Name: 280-19441-a-2-aSD@5 Acquired: 8/26/2011 0:57:37 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82736 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00065**	**.00157**	**-.00212**	**.00715**	**.02727**	**.00013**	**.00143**	**10.886**	**.00007**	**-.00016**
Stddev	.00022	.00094	.00100	.00069	.00005	.00006	.00335	.017	.00029	.00016
%RSD	34.198	59.704	47.221	9.5986	.19451	46.308	234.29	.15334	442.37	104.05
#1	-.00081	.00091	-.00283	.00763	.02731	.00018	.00380	10.874	-.00014	-.00004
#2	-.00050	.00224	-.00141	.00666	.02723	.00009	-.00094	10.897	.00027	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00276**	**.00099**	**.00686**	**1.3819**	**.00907**	**6.9108**	**.00036**	**.00131**	**4.8068**	**-.00013**
Stddev	.00011	.00013	.00081	.0260	.00479	.0019	.00001	.00058	.0190	.00007
%RSD	3.9830	12.838	11.773	1.8847	52.832	.02772	3.0484	44.397	.39459	55.247
#1	.00268	.00108	.00743	1.4003	.01246	6.9094	.00037	.00090	4.7934	-.00018
#2	.00283	.00090	.00629	1.3635	.00568	6.9122	.00035	.00172	4.8202	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**-.00020**	**1.5834**	**-.00049**	**.00338**	**1.1402**	**-.00035**	**.49745**	**-.00177**	**-.00011**
Stddev	.00111	.00098	.0027	.00239	.00162	.0113	.00059	.00132	.00082	.00024
%RSD	138.12	480.59	.17296	490.37	47.829	.99045	167.39	.26629	46.332	220.61
#1	.00002	-.00090	1.5814	.00120	.00453	1.1322	.00007	.49652	-.00234	-.00028
#2	.00159	.00049	1.5853	-.00218	.00224	1.1482	-.00077	.49839	-.00119	.00006
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00267**	**.04359**	**.00093**	**.00352**	**.00436**
Stddev	.00084	.01872	.00063	.00002	.00136
%RSD	31.534	42.953	68.144	.66441	31.259
#1	.00326	.05683	.00138	.00351	.00533
#2	.00207	.03035	.00048	.00354	.00340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4021.5**	**60300.**	**4322.8**
Stddev	5.3	25.	18.5
%RSD	.13074	.04071	.42854
#1	4017.8	60318.	4335.9
#2	4025.2	60283.	4309.7

Sample Name: 280-19441-a-2-b ms Acquired: 8/26/2011 1:00:14 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82736 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05158**	**1.9431**	**1.0693**	**1.0796**	**2.2338**	**.04991**	**2.4262**	**101.36**	**.10987**	**.50238**
Stddev	.00000	.0226	.0013	.0012	.0029	.00001	.0049	.29	.00050	.00037
%RSD	.00198	1.1640	.11746	.10896	.13120	.01474	.20133	.28887	.45912	.07458
#1	.05158	1.9591	1.0702	1.0788	2.2359	.04990	2.4228	101.56	.10951	.50212
#2	.05158	1.9271	1.0684	1.0804	2.2317	.04991	2.4297	101.15	.11022	.50265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21860**	**.26186**	**.97468**	**59.024**	**1.0294**	**85.404**	**.51366**	**1.0428**	**77.422**	**.49747**
Stddev	.00064	.00129	.00228	.166	.0007	.159	.00057	.0011	.014	.00041
%RSD	.29465	.49154	.23421	.28087	.07106	.18674	.11173	.10782	.01839	.08275
#1	.21906	.26095	.97629	59.141	1.0299	85.291	.51325	1.0436	77.412	.49776
#2	.21815	.26277	.97306	58.906	1.0289	85.517	.51407	1.0420	77.432	.49718
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.577**	**.50791**	**8.2453**	**.53035**	**2.2037**	**15.276**	**2.0516**	**3.4488**	**1.0201**	**1.0504**
Stddev	.010	.00229	.0352	.00124	.0006	.033	.0024	.0060	.0014	.0001
%RSD	.09786	.45184	.42632	.23288	.02931	.21360	.11963	.17362	.13313	.01064
#1	10.569	.50629	8.2205	.53122	2.2033	15.300	2.0498	3.4530	1.0192	1.0505
#2	10.584	.50953	8.2702	.52948	2.2042	15.253	2.0533	3.4445	1.0211	1.0503
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0614**	**2.1634**	**.53306**	**.52172**	**.51308**
Stddev	.0004	.0234	.00123	.00093	.00005
%RSD	.01845	1.0802	.23116	.17904	.00891
#1	2.0612	2.1469	.53219	.52106	.51312
#2	2.0617	2.1800	.53393	.52238	.51305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3892.2**	**57172.**	**4328.0**
Stddev	2.1	5.	23.5
%RSD	.05508	.00867	.54374
#1	3890.7	57169.	4311.4
#2	3893.7	57176.	4344.7

Sample Name: 280-19441-a-2-c msd Acquired: 8/26/2011 1:02:34 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82736 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05169**	**1.9843**	**1.0946**	**1.1024**	**2.2745**	**.05111**	**2.4732**	**103.89**	**.11192**	**.51309**
Stddev	.00006	.0173	.0021	.0009	.0021	.00007	.0043	.00	.00019	.00073
%RSD	.11398	.87319	.19258	.07909	.09027	.14259	.17374	.00234	.16718	.14250
#1	.05173	1.9966	1.0961	1.1018	2.2759	.05116	2.4762	103.89	.11205	.51361
#2	.05165	1.9721	1.0931	1.1031	2.2730	.05106	2.4702	103.89	.11179	.51258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22362**	**.26660**	**1.0073**	**60.038**	**1.0437**	**86.708**	**.52193**	**1.0727**	**79.175**	**.50862**
Stddev	.00011	.00036	.0028	.075	.0027	.032	.00062	.0024	.101	.00053
%RSD	.04854	.13335	.27778	.12549	.25690	.03735	.11961	.22446	.12816	.10474
#1	.22370	.26635	1.0093	59.984	1.0418	86.731	.52237	1.0744	79.104	.50900
#2	.22355	.26685	1.0054	60.091	1.0456	86.686	.52149	1.0710	79.247	.50825
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.802**	**.51876**	**8.4415**	**.54157**	**2.2542**	**15.714**	**2.0926**	**3.5310**	**1.0393**	**1.0713**
Stddev	.019	.00393	.0449	.00146	.0029	.036	.0027	.0027	.0029	.0002
%RSD	.17229	.75845	.53144	.26976	.13062	.22895	.12903	.07585	.27803	.02012
#1	10.815	.52154	8.4732	.54260	2.2562	15.689	2.0945	3.5329	1.0414	1.0712
#2	10.789	.51598	8.4098	.54053	2.2521	15.740	2.0907	3.5291	1.0373	1.0715
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.1055**	**2.2252**	**.53876**	**.52774**	**.53068**
Stddev	.0006	.0319	.00065	.00170	.00184
%RSD	.02703	1.4316	.12147	.32181	.34621
#1	2.1059	2.2477	.53922	.52894	.52939
#2	2.1051	2.2027	.53829	.52654	.53198
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3883.8**	**57533.**	**4352.7**
Stddev	1.5	57.	4.5
%RSD	.03753	.09950	.10352
#1	3884.9	57493.	4349.5
#2	3882.8	57574.	4355.9

Sample Name: 280-19441-a-3-a Acquired: 8/26/2011 1:04:59 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82736 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.04437**	**.00561**	**.05507**	**.61937**	**-.00011**	**.00613**	**118.03**	**.00007**	**.00221**
Stddev	.00030	.00076	.00160	.00006	.00006	.00004	.00366	.19	.00019	.00046
%RSD	238.98	1.7059	28.504	.10591	.00928	33.895	59.783	.15735	262.37	20.946
#1	-.00009	.04384	.00674	.05503	.61941	-.00014	.00354	117.89	-.00006	.00188
#2	.00034	.04491	.00448	.05512	.61933	-.00009	.00872	118.16	.00021	.00253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00558**	**.00410**	**.03820**	**3.4882**	**.02111**	**28.772**	**.00282**	**.01317**	**480.14**	**.00133**
Stddev	.00031	.00022	.00148	.0267	.00433	.016	.00004	.00256	.04	.00044
%RSD	5.5781	5.2569	3.8871	.76397	20.503	.05582	1.5570	19.412	.00743	32.804
#1	.00536	.00395	.03925	3.4693	.01805	28.783	.00285	.01136	480.17	.00102
#2	.00580	.00425	.03715	3.5070	.02417	28.760	.00279	.01498	480.12	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10416**	**-.00083**	**17.637**	**-.00024**	**.01487**	**8.1110**	**.00319**	**1.6846**	**-.00149**	**.00115**
Stddev	.01205	.00072	.074	.00028	.00425	.0969	.00269	.0012	.00102	.00027
%RSD	11.569	87.042	.42012	119.67	28.590	1.1953	84.439	.07361	68.437	23.851
#1	.09564	-.00032	17.689	-.00044	.01186	8.0425	.00129	1.6855	-.00221	.00134
#2	.11268	-.00134	17.585	-.00004	.01787	8.1796	.00510	1.6837	-.00077	.00095
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.01019**	**.03202**	**.00383**	**.00216**	**.00315**
Stddev	.00047	.02773	.00056	.00047	.00077
%RSD	4.5767	86.594	14.639	21.983	24.441
#1	.00986	.05163	.00343	.00249	.00369
#2	.01052	.01241	.00423	.00182	.00260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3792.7**	**55027.**	**4294.5**
Stddev	14.5	82.	25.2
%RSD	.38260	.14930	.58660
#1	3803.0	55085.	4312.3
#2	3782.4	54969.	4276.7

Sample Name: 280-19441-a-4-a Acquired: 8/26/2011 1:08:07 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82736 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.32568**	**-.00215**	**.06859**	**.69297**	**-.00010**	**.00607**	**247.02**	**.00015**	**.00068**
Stddev	.00005	.00144	.00019	.00059	.00117	.00001	.00128	.13	.00018	.00019
%RSD	24.184	.44297	8.6612	.85895	.16814	10.290	21.078	.05148	122.83	28.350
#1	.00024	.32466	-.00202	.06901	.69380	-.00010	.00516	247.11	.00028	.00082
#2	.00017	.32670	-.00228	.06817	.69215	-.00011	.00697	246.93	.00002	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01095**	**.00358**	**.25294**	**4.3717**	**.02439**	**60.190**	**.53480**	**.00679**	**230.78**	**.00528**
Stddev	.00008	.00023	.00261	.0280	.00533	.039	.00033	.00007	.37	.00024
%RSD	.75877	6.5663	1.0312	.64162	21.838	.06400	.06145	1.1041	.16182	4.5243
#1	.01089	.00374	.25109	4.3915	.02816	60.163	.53503	.00685	230.51	.00512
#2	.01101	.00341	.25478	4.3518	.02063	60.217	.53457	.00674	231.04	.00545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02033**	**-.00243**	**27.887**	**-.00071**	**.00090**	**9.0721**	**-.00147**	**2.6518**	**-.00383**	**.01190**
Stddev	.00355	.00012	.056	.00101	.00505	.0034	.00037	.0014	.00081	.00012
%RSD	17.441	5.0437	.20061	142.81	564.23	.03721	25.372	.05152	21.089	.99045
#1	.02284	-.00235	27.848	.00001	.00447	9.0698	-.00173	2.6528	-.00441	.01198
#2	.01782	-.00252	27.927	-.00142	-.00268	9.0745	-.00120	2.6508	-.00326	.01181
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00474**	**.01967**	W **-.01086**	**.00492**	**.00326**
Stddev	.00132	.03452	.00057	.00018	.00287
%RSD	27.775	175.49	5.2958	3.6793	87.953
#1	.00567	-.00474	-.01126	.00504	.00529
#2	.00381	.04408	-.01045	.00479	.00123
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit			45.000		
Low Limit			-.01000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3780.2**	**55661.**	**4314.3**
Stddev	3.3	10.	15.6
%RSD	.08778	.01878	.36198
#1	3777.8	55653.	4325.4
#2	3782.5	55668.	4303.3

Sample Name: 280-19441-a-5-a Acquired: 8/26/2011 1:10:40 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82736 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00053	.00532	-.00010	.02497	.10458	-.00005	.00192	45.288	.00013	.00010
Stddev	.00059	.00134	.00421	.00030	.00015	.00002	.00177	.010	.00001	.00033
%RSD	112.08	25.261	4236.6	1.2055	.14362	34.368	91.937	.02120	9.2175	326.80
#1	-.00011	.00437	.00287	.02476	.10469	-.00006	.00317	45.281	.00012	.00034
#2	-.00095	.00627	-.00307	.02519	.10448	-.00004	.00067	45.294	.00014	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01269	.00109	.00569	2.3069	.01074	12.764	.00059	.00265	27.125	.00018
Stddev	.00026	.00009	.00216	.0177	.00217	.005	.00002	.00028	.175	.00018
%RSD	2.0551	7.8339	37.996	.76731	20.208	.04263	4.0626	10.491	.64692	100.38
#1	.01287	.00115	.00416	2.3195	.01227	12.760	.00057	.00245	27.001	.00030
#2	.01250	.00103	.00722	2.2944	.00920	12.768	.00061	.00285	27.249	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00822	-.00193	5.4429	-.00245	.00115	9.6957	-.00085	.53481	-.00112	.00022
Stddev	.00029	.00047	.0103	.00044	.00390	.0031	.00028	.00049	.00234	.00011
%RSD	3.5435	24.128	.18891	18.128	339.80	.03212	33.355	.09220	208.99	48.560
#1	.00843	-.00160	5.4356	-.00277	-.00161	9.6979	-.00065	.53516	-.00277	.00014
#2	.00801	-.00226	5.4502	-.00214	.00391	9.6935	-.00104	.53446	.00053	.00029
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00224	-.00070	.00139	.00275	.00505
Stddev	.00251	.02002	.00015	.00004	.00306
%RSD	112.05	2860.6	10.560	1.4958	60.687
#1	.00401	.01346	.00149	.00273	.00721
#2	.00046	-.01486	.00129	.00278	.00288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4026.8	59862.	4348.8
Stddev	7.0	11.	7.0
%RSD	.17315	.01907	.16024
#1	4031.7	59854.	4343.9
#2	4021.9	59870.	4353.8

Sample Name: 280-19441-a-6-a Acquired: 8/26/2011 1:13:14 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82736 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**-.00154**	**.00083**	**.04801**	**.57238**	**-.00014**	**.00102**	**211.80**	**-.00045**	**.00056**
Stddev	.00110	.00122	.00229	.00002	.00190	.00005	.00007	.58	.00002	.00020
%RSD	172.90	79.093	276.25	.04911	.33136	35.068	6.8766	.27547	3.9005	36.144
#1	.00142	-.00068	-.00079	.04800	.57103	-.00017	.00107	211.39	-.00046	.00070
#2	-.00014	-.00240	.00245	.04803	.57372	-.00010	.00097	212.21	-.00044	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00557**	**.00527**	**.01077**	**5.1148**	**.02958**	**51.205**	**.00105**	**.00229**	W **745.53**	**.00165**
Stddev	.00004	.00039	.00084	.0234	.00426	.059	.00002	.00002	.81	.00016
%RSD	.72632	7.4787	7.8401	.45771	14.413	.11601	2.3184	1.0844	.10902	9.5472
#1	.00560	.00499	.01017	5.1313	.02657	51.247	.00103	.00227	744.95	.00176
#2	.00554	.00555	.01137	5.0982	.03260	51.163	.00107	.00231	746.10	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08750**	**-.00189**	**25.004**	**-.00080**	**-.00366**	**8.4414**	**-.00109**	**3.1403**	**-.00213**	**-.00020**
Stddev	.00219	.00171	.037	.00021	.00063	.0155	.00036	.0077	.00094	.00089
%RSD	2.5044	90.848	.14897	26.526	17.345	.18313	33.067	.24568	44.257	438.55
#1	.08905	-.00067	25.030	-.00065	-.00321	8.4305	-.00135	3.1349	-.00146	-.00084
#2	.08595	-.00310	24.978	-.00095	-.00411	8.4524	-.00084	3.1458	-.00280	.00043
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00386**	**.02737**	**.00371**	**.00594**	**.00556**
Stddev	.00267	.00393	.00035	.00024	.00079
%RSD	69.203	14.367	9.3985	3.9786	14.154
#1	.00575	.02459	.00396	.00578	.00500
#2	.00197	.03015	.00346	.00611	.00611
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3699.8**	**53482.**	**4221.2**
Stddev	4.9	94.	18.8
%RSD	.13131	.17559	.44438
#1	3696.4	53415.	4234.4
#2	3703.2	53548.	4207.9

Sample Name: CCVH-940568 Acquired: 8/26/2011 1:16:42 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02116**	**49.842**	**-.00751**	**.00220**	**.00000**	**-.00017**	**1.0410**	**.03054**	**-.00115**	**.00216**	**-.00001**	**-.00169**	**50.511**
Stddev	.00008	.023	.00080	.00075	.00016	.00000	.0053	.00305	.00012	.00042	.00014	.00017	.124
%RSD	.38487	.04706	10.587	33.881	6394.9	1.9031	.51223	9.9792	10.621	19.378	1988.2	10.169	.24538
#1	-.02122	49.825	-.00807	.00273	.00011	-.00017	1.0372	.03269	-.00106	.00246	.00009	-.00157	50.423
#2	-.02110	49.859	-.00695	.00167	-.00011	-.00017	1.0448	.02838	-.00123	.00187	-.00011	-.00181	50.599
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27810**	**.00114**	**-.10751**	**.00114**	**-.00210**	**267.01**	**.00116**	**.00031**	**-.00049**	**5.0893**	**-.01012**	**.01226**	**.01236**
Stddev	.04247	.00181	.00591	.00009	.00032	.36	.00021	.00056	.00037	.0065	.00187	.00017	.01413
%RSD	15.272	158.55	5.4980	7.5733	15.408	.13360	17.715	181.24	75.466	.12693	18.472	1.3573	114.37
#1	.30814	-.00014	-.10333	.00120	-.00187	266.76	.00130	-.00009	-.00076	5.0939	-.01145	.01237	.02235
#2	.24807	.00242	-.11168	.00108	-.00233	267.26	.00101	.00070	-.00023	5.0848	-.00880	.01214	.00236
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00168**	**.00061**	**5.0678**	**.00168**	**.00266**	**10.659**	**-.00868**	**.00508**	**.01544**
Stddev	.00046	.00002	.0073	.00025	.00091	.038	.00010	.00045	.00502
%RSD	27.131	3.0565	.14407	14.727	34.330	.35486	1.1760	8.9257	32.528
#1	.00136	.00063	5.0730	.00151	.00202	10.632	-.00860	.00476	.01189
#2	.00201	.00060	5.0627	.00186	.00331	10.686	-.00875	.00541	.01900
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3853.9**	**57192.**	**4264.7**
Stddev	4.9	75.	6.8
%RSD	.12626	.13176	.15889
#1	3857.3	57245.	4269.5
#2	3850.4	57139.	4259.9

Sample Name: CCV-940591 Acquired: 8/26/2011 1:19:16 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53760**	**.52584**	**1.0309**	**.52019**	**.52411**	**.49646**	**.00533**	**4.9821**	**.52231**	**.51860**	**.51760**	**.52675**	**2.4448**
Stddev	.00063	.00018	.0025	.00070	.00087	.00042	.00248	.0001	.00037	.00113	.00097	.00097	.0084
%RSD	.11669	.03433	.23934	.13416	.16571	.08401	46.512	.00274	.06999	.21824	.18701	.18446	.34252
#1	.53804	.52597	1.0291	.52068	.52473	.49675	.00358	4.9822	.52256	.51940	.51828	.52743	2.4507
#2	.53715	.52571	1.0326	.51969	.52350	.49616	.00708	4.9820	.52205	.51780	.51692	.52606	2.4388
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.036**	**1.0154**	**20.869**	**.52068**	**.51644**	**5.4333**	**.51641**	**1.0142**	**1.0429**	**.00402**	**1.0264**	**1.0382**	**4.8426**
Stddev	.042	.0031	.014	.00059	.00191	.0052	.00087	.0019	.0036	.00056	.0054	.0013	.0137
%RSD	.08189	.30900	.06513	.11345	.36931	.09556	.16836	.18359	.34058	13.892	.52540	.12286	.28257
#1	51.066	1.0177	20.859	.52027	.51779	5.4297	.51702	1.0155	1.0454	.00363	1.0302	1.0391	4.8329
#2	51.007	1.0132	20.878	.52110	.51509	5.4370	.51579	1.0129	1.0404	.00442	1.0226	1.0373	4.8522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0302**	**.52195**	**-.00004**	**.51075**	**1.0568**	**.05670**	**.52717**	**.52186**	**.50079**
Stddev	.0029	.00019	.00172	.00033	.0003	.04357	.00145	.00146	.00013
%RSD	.28516	.03684	4204.8	.06445	.03208	76.844	.27517	.27940	.02675
#1	1.0323	.52209	.00117	.51098	1.0570	.02589	.52614	.52083	.50089
#2	1.0282	.52182	-.00125	.51051	1.0565	.08751	.52819	.52289	.50070
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3963.7**	**59113.**	**4312.7**
Stddev	10.4	88.	6.6
%RSD	.26244	.14947	.15298
#1	3956.3	59176.	4308.1
#2	3971.1	59051.	4317.4

Sample Name: CCB Acquired: 8/26/2011 1:21:39 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00106**	**.00271**	**.00144**	W **-.00078**	**-.00002**	**.00043**	**.00352**	**.00037**	**.00028**
Stddev	.00030	.00033	.00453	.00027	.00036	.00003	.00123	.00096	.00011	.00004
%RSD	76.123	31.698	167.26	18.494	46.490	120.74	284.31	27.300	30.658	16.144
#1	.00018	.00082	.00592	.00125	-.00104	-.00004	-.00044	.00420	.00029	.00024
#2	.00060	.00129	-.00050	.00163	-.00053	.00000	.00130	.00284	.00045	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit					.00058					
Low Limit					-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00030**	**-.00214**	**.07957**	F **.00893**	**.00021**	**-.00006**	**.00290**	F **.19916**	**-.00007**
Stddev	.00015	.00000	.00012	.02208	.00197	.00178	.00004	.00084	.01238	.00018
%RSD	412.24	1.2311	5.7220	27.746	22.043	834.79	62.342	28.831	6.2149	272.77
#1	-.00014	.00030	-.00205	.09518	.01032	-.00105	-.00003	.00231	.19041	-.00019
#2	.00007	.00031	-.00222	.06396	.00753	.00147	-.00008	.00349	.20791	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					.00522				.10000	
Low Limit					-.00522				-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00191**	**.00049**	**-.00111**	F **.00766**	W **.00858**	**-.00185**	**.00038**	**.00026**	**-.00187**	**.00026**
Stddev	.00239	.00023	.00560	.00207	.00058	.01067	.00023	.00001	.00267	.00010
%RSD	124.85	46.125	505.44	27.046	6.7107	576.74	61.051	2.3702	142.44	37.176
#1	-.00360	.00033	.00285	.00619	.00899	-.00939	.00054	.00027	-.00376	.00033
#2	-.00022	.00065	-.00507	.00912	.00818	.00569	.00021	.00026	.00001	.00019
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00628	.00486					
Low Limit				-.00628	-.00486					

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.01791**	**.00003**	**.00141**	**.00192**
Stddev	.00121	.02638	.00002	.00032	.00053
%RSD	228.16	147.30	59.702	22.608	27.748
#1	-.00033	.03656	.00002	.00163	.00229
#2	.00139	-.00074	.00005	.00118	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4012.0**	**60474.**	**4294.1**
Stddev	3.4	203.	10.1
%RSD	.08470	.33591	.23408
#1	4009.6	60618.	4301.2
#2	4014.4	60330.	4287.0

Sample Name: CCVL942742 Acquired: 8/26/2011 1:24:17 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01089**	**.10830**	**.01551**	**.10386**	**.01007**	**.00091**	F **.13456**	**.20599**	**.00561**	**.01061**	**.01068**
Stddev	.00008	.00017	.00069	.00110	.00012	.00003	.00232	.00337	.00015	.00012	.00006
%RSD	.76088	.15682	4.4242	1.0552	1.2145	2.7851	1.7231	1.6339	2.7596	1.0916	.52435
#1	.01095	.10818	.01600	.10464	.00999	.00093	.13292	.20837	.00572	.01053	.01064
#2	.01083	.10842	.01503	.10309	.01016	.00089	.13620	.20361	.00550	.01070	.01072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01694**	**.09879**	**3.1771**	F **.01494**	**.21945**	**.01077**	**.02006**	W **1.2508**	**.04273**	**2.9096**	**.00932**
Stddev	.00007	.00223	.0120	.00368	.00288	.00003	.00000	.0040	.00006	.0006	.00170
%RSD	.38446	2.2531	.37794	24.643	1.3114	.30840	.00387	.32028	.13568	.02212	18.221
#1	.01699	.09722	3.1686	.01754	.21742	.01079	.02006	1.2536	.04277	2.9092	.00812
#2	.01690	.10037	3.1856	.01234	.22149	.01074	.02006	1.2480	.04269	2.9101	.01052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
Value				.01000				1.0000			
Range				30.000%				20.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00886**	**.01358**	**.47804**	**.10285**	**.01075**	**.01355**	**.01043**	W **.01946**	F **.09842**	**.01039**
Stddev	.00407	.00147	.00283	.00673	.00016	.00016	.00014	.00025	.00092	.02282	.00003
%RSD	662.30	16.624	20.841	1.4083	.15497	1.4710	1.0482	2.3557	4.7107	23.184	.33429
#1	.00349	.00781	.01558	.48280	.10297	.01064	.01365	.01061	.01881	.08229	.01037
#2	-.00226	.00990	.01158	.47328	.10274	.01086	.01345	.01026	.02010	.11456	.01042
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass
Value									.01500	.06000	
Range									20.000%	30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02274**	**.01771**
Stddev	.00035	.00187
%RSD	1.5585	10.557
#1	.02249	.01639
#2	.02299	.01903
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4084.1**	**61333.**	**4310.6**
Stddev	2.9	206.	9.6
%RSD	.07141	.33614	.22170
#1	4086.2	61188.	4303.9
#2	4082.0	61479.	4317.4

Sample Name: mb 280-82619/1-a Acquired: 8/26/2011 1:26:52 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82619 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	.00080	-.00108	.00116	-.00057	.00000	.00094	.00820	.00027	-.00010
Stddev	.00015	.00129	.00103	.00034	.00012	.0001	.00101	.00001	.00026	.00003
%RSD	1556.5	161.64	95.677	29.379	21.675	4804.1	107.27	.18243	96.466	26.952
#1	.00010	-.00011	-.00181	.00092	-.00066	-.00005	.00023	.00819	.00045	-.00012
#2	-.00012	.00172	-.00035	.00140	-.00048	.00004	.00165	.00822	.00008	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	.00116	.00651	.05082	.00155	.00031	.00037	.00007	.16674	.00010
Stddev	.00007	.00022	.00226	.00983	.00010	.00152	.00001	.00009	.00438	.00019
%RSD	536.44	19.096	34.672	19.335	6.1636	484.19	1.3766	127.48	2.6257	203.10
#1	-.00004	.00132	.00491	.04387	.00149	-.00076	.00036	.00001	.16365	-.00004
#2	.00006	.00101	.00810	.05777	.00162	.00139	.00037	.00013	.16984	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00278	-.00042	.00232	-.00046	-.00006	-.00602	.00067	.00022	-.00140	.00037
Stddev	.00120	.00044	.00085	.00125	.00150	.01340	.00019	.00005	.00006	.00000
%RSD	43.277	104.49	36.689	269.28	2609.7	222.60	28.744	23.218	4.5010	.75813
#1	-.00364	-.00074	.00293	.00042	-.00112	-.01550	.00053	.00019	-.00136	.00037
#2	-.00193	-.00011	.00172	-.00134	.00100	.00346	.00081	.00026	-.00145	.00037
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00065	.00572	.00001	.00167	.00362
Stddev	.00014	.00745	.00014	.00074	.00196
%RSD	22.225	130.27	2590.4	44.071	54.098
#1	.00055	.01099	-.00009	.00115	.00500
#2	.00075	.00045	.00010	.00219	.00223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4053.7	61460.	4373.2
Stddev	2.9	69.	14.7
%RSD	.07130	.11224	.33532
#1	4055.8	61411.	4362.9
#2	4051.7	61509.	4383.6

Sample Name: lcs 280-82619/2-a Acquired: 8/26/2011 1:29:29 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82619 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05141**	**1.9647**	**1.0570**	**1.0073**	**2.1381**	**.05042**	F **2.4449**	**49.877**	**.10993**	**.51509**
Stddev	.00070	.0176	.0066	.0004	.0020	.00001	.0042	.086	.00046	.00124
%RSD	1.3579	.89634	.62113	.03476	.09267	.01892	.16981	.17283	.41527	.24164
#1	.05092	1.9771	1.0617	1.0075	2.1395	.05042	2.4478	49.938	.11025	.51597
#2	.05191	1.9522	1.0524	1.0070	2.1367	.05043	2.4419	49.816	.10961	.51421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21014**	**.27659**	**1.0288**	**52.404**	**1.0310**	**52.108**	**.52124**	**1.0411**	**55.354**	**.52171**
Stddev	.00057	.00049	.0010	.030	.0062	.064	.00033	.0037	.482	.00097
%RSD	.27029	.17834	.09691	.05759	.60419	.12287	.06295	.35754	.87064	.18529
#1	.21054	.27624	1.0295	52.426	1.0266	52.062	.52100	1.0437	55.014	.52239
#2	.20974	.27694	1.0281	52.383	1.0354	52.153	.52147	1.0385	55.695	.52102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.357**	**.51656**	**-.00548**	**.51678**	**2.0975**	**9.5876**	**2.0485**	**1.0659**	**1.0349**	**1.0458**
Stddev	.065	.00214	.00015	.00179	.0016	.0104	.0051	.0014	.0017	.0003
%RSD	.62561	.41424	2.7099	.34560	.07764	.10838	.24994	.13123	.16297	.02396
#1	10.403	.51808	-.00558	.51804	2.0963	9.5802	2.0521	1.0668	1.0337	1.0457
#2	10.311	.51505	-.00537	.51552	2.0986	9.5949	2.0449	1.0649	1.0361	1.0460
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0978**	**2.2306**	**.53761**	**.52021**	**.51441**
Stddev	.0059	.0084	.00160	.00073	.00161
%RSD	.28297	.37790	.29713	.14083	.31383
#1	2.1020	2.2366	.53874	.51969	.51555
#2	2.0936	2.2247	.53648	.52072	.51327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3911.9**	**58073.**	**4324.6**
Stddev	11.7	2.	3.9
%RSD	.29789	.00281	.08970
#1	3903.7	58072.	4321.8
#2	3920.2	58074.	4327.3

Sample Name: 280-19316-a-7-e Acquired: 8/26/2011 1:31:50 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82619 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00270**	**.00290**	**.00204**	**-.00067**	**-.00001**	**.00016**	**.01736**	**.00034**	**.00006**
Stddev	.00001	.00102	.00004	.00094	.00014	.00005	.00190	.00513	.00006	.00011
%RSD	7.1129	37.666	1.2711	46.012	21.071	812.34	1223.0	29.585	18.708	180.45
#1	-.00011	.00198	.00292	.00138	-.00077	-.00004	.00150	.02099	.00030	-.00002
#2	-.00010	.00342	.00287	.00270	-.00057	.00003	-.00119	.01373	.00039	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00123**	**.00203**	**.04941**	**.00448**	**.00246**	**.00121**	**.00474**	**.15263**	**.00012**
Stddev	.00001	.00018	.00354	.03178	.00197	.00288	.00007	.00145	.00696	.00014
%RSD	159.56	14.726	174.28	64.316	43.986	117.03	5.9003	30.496	4.5585	111.83
#1	.00000	.00136	-.00047	.02694	.00309	.00450	.00116	.00372	.15755	.00003
#2	.00001	.00110	.00454	.07188	.00588	.00042	.00126	.00576	.14771	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00474**	**-.00152**	**.00370**	**-.00116**	**.00817**	**.01874**	**.00060**	**.00029**	**-.00181**	**.00052**
Stddev	.00044	.00094	.00076	.00054	.00382	.03118	.00051	.00002	.00192	.00004
%RSD	9.2588	61.769	20.635	46.906	46.820	166.40	84.196	7.6541	106.11	7.0621
#1	.00505	-.00086	.00424	-.00154	.00546	.04078	.00096	.00027	-.00317	.00055
#2	.00443	-.00219	.00316	-.00077	.01087	-.00331	.00024	.00030	-.00045	.00050
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00134**	**.01281**	**-.00014**	**.00258**	**.00422**
Stddev	.00111	.00495	.00080	.00006	.00252
%RSD	82.840	38.600	554.81	2.2594	59.834
#1	.00055	.01631	.00042	.00262	.00243
#2	.00212	.00932	-.00071	.00254	.00600
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4072.7**	**61642.**	**4410.1**
Stddev	1.6	5.	13.3
%RSD	.03854	.00825	.30256
#1	4071.6	61638.	4400.6
#2	4073.8	61645.	4419.5

Sample Name: 280-19316-a-7-eSD@5 Acquired: 8/26/2011 1:34:27 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82619 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00003	.00100	-.00156	.00148	-.00007	-.00001	.00314	.01468	.00022	-.00009
Stddev	.00119	.00127	.00222	.00015	.00014	.00004	.00178	.00070	.00002	.00028
%RSD	4029.4	127.25	142.73	10.273	200.50	599.21	56.518	4.7399	7.9245	331.92
#1	.00081	.00010	.00001	.00138	.00003	.00002	.00440	.01517	.00021	.00012
#2	-.00087	.00190	-.00313	.00159	-.00016	-.00003	.00189	.01419	.00024	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	.00020	.05060	.00360	.00202	.00330	.00118	.00056	.11262	-.00039
Stddev	.00008	.00008	.00026	.02281	.00227	.00020	.00001	.00013	.00460	.00009
%RSD	135.26	36.752	.52146	633.06	112.38	5.9233	.47376	23.745	4.0827	23.107
#1	.00000	.00026	.05079	-.01252	.00362	.00344	.00118	.00046	.11587	-.00032
#2	-.00012	.00015	.05041	.01973	.00041	.00316	.00119	.00065	.10937	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00410	-.00051	.00428	-.00085	.00275	-.01009	-.00009	.00004	-.00125	.00011
Stddev	.00150	.00113	.00274	.00164	.00313	.00008	.00056	.00006	.00355	.00042
%RSD	36.596	223.30	63.955	192.29	113.59	.78589	593.91	143.12	285.11	375.79
#1	-.00304	.00029	.00234	-.00202	.00496	-.01004	-.00049	.00008	.00127	.00041
#2	-.00517	-.00130	.00621	.00031	.00054	-.01015	.00030	.00000	-.00376	-.00019
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00129	.05467	.00008	.00331	.00343
Stddev	.00108	.03680	.00012	.00035	.00217
%RSD	84.222	67.307	144.63	10.622	63.345
#1	.00052	.02865	.00016	.00356	.00189
#2	.00205	.08069	.00000	.00306	.00496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4054.0	61329.	4336.2
Stddev	3.5	79.	4.1
%RSD	.08716	.12945	.09374
#1	4056.5	61385.	4339.1
#2	4051.5	61273.	4333.3

Sample Name: 280-19316-a-7-f ms Acquired: 8/26/2011 1:37:05 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82619 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05105**	**1.9808**	**1.0555**	**1.0209**	**2.1379**	**.05061**	**2.4472**	**50.120**	**.10968**	**.51539**
Stddev	.00006	.0109	.0026	.0013	.0013	.00010	.0032	.062	.00044	.00047
%RSD	.12723	.54907	.24790	.12501	.05960	.20583	.13211	.12422	.39692	.09093
#1	.05110	1.9885	1.0574	1.0200	2.1370	.05054	2.4495	50.164	.10999	.51572
#2	.05101	1.9731	1.0537	1.0218	2.1388	.05069	2.4450	50.076	.10937	.51506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21055**	**.26510**	**.98690**	**52.439**	**1.0307**	**52.183**	**.52201**	**1.0586**	**54.816**	**.51136**
Stddev	.00055	.00004	.00587	.033	.0009	.027	.00041	.0037	.444	.00019
%RSD	.26191	.01347	.59485	.06257	.08384	.05217	.07815	.34603	.80916	.03796
#1	.21016	.26508	.99105	52.463	1.0301	52.202	.52172	1.0612	55.130	.51122
#2	.21094	.26513	.98275	52.416	1.0313	52.164	.52230	1.0561	54.503	.51150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.389**	**.52037**	**-.00756**	**.52222**	**2.1078**	**9.7541**	**2.0766**	**1.0673**	**1.0342**	**1.0553**
Stddev	.022	.00154	.00476	.00243	.0076	.0220	.0053	.0004	.0021	.0022
%RSD	.21091	.29565	62.934	.46487	.36011	.22567	.25705	.04242	.20296	.20680
#1	10.404	.52146	-.01093	.52394	2.1132	9.7386	2.0804	1.0676	1.0327	1.0538
#2	10.373	.51928	-.00420	.52050	2.1024	9.7697	2.0728	1.0669	1.0356	1.0569
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0930**	**2.2472**	**.53721**	**.52165**	**.52411**
Stddev	.0015	.0205	.00071	.00021	.00324
%RSD	.07173	.91056	.13227	.03942	.61771
#1	2.0941	2.2617	.53671	.52151	.52639
#2	2.0920	2.2327	.53771	.52180	.52182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3904.9**	**58173.**	**4343.9**
Stddev	4.6	33.	8.6
%RSD	.11655	.05740	.19749
#1	3908.1	58150.	4337.8
#2	3901.7	58197.	4349.9

Sample Name: 280-19316-a-7-g msd Acquired: 8/26/2011 1:39:27 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82619 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05055**	**1.9754**	**1.0597**	**.99618**	**2.1485**	**.05103**	**2.4475**	**50.334**	**.10991**	**.51508**
Stddev	.00019	.0157	.0045	.00187	.0117	.00010	.0056	.285	.00019	.00140
%RSD	.36652	.79655	.42512	.18748	.54301	.19276	.22871	.56547	.17206	.27209
#1	.05042	1.9865	1.0565	.99750	2.1402	.05096	2.4514	50.133	.11004	.51607
#2	.05068	1.9642	1.0629	.99486	2.1567	.05110	2.4435	50.535	.10977	.51409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20998**	**.26647**	**.98641**	**52.771**	**1.0366**	**52.294**	**.52328**	**1.0331**	**55.453**	**.51041**
Stddev	.00032	.00036	.00251	.189	.0008	.008	.00013	.0006	.253	.00131
%RSD	.15456	.13547	.25410	.35749	.07325	.01481	.02450	.05463	.45686	.25701
#1	.21021	.26622	.98464	52.637	1.0371	52.300	.52338	1.0327	55.274	.51134
#2	.20975	.26673	.98819	52.904	1.0361	52.289	.52319	1.0335	55.632	.50948
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.390**	**.52101**	**-.00537**	**.51066**	**2.1189**	**9.5295**	**2.0153**	**1.0750**	**1.0327**	**1.0273**
Stddev	.011	.00325	.00127	.00032	.0057	.0579	.0004	.0049	.0038	.0015
%RSD	.10651	.62418	23.691	.06306	.27004	.60792	.01797	.45134	.36951	.14571
#1	10.398	.52331	-.00627	.51089	2.1148	9.4885	2.0156	1.0716	1.0354	1.0284
#2	10.382	.51871	-.00447	.51044	2.1229	9.5704	2.0151	1.0785	1.0300	1.0263
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0968**	**2.2692**	**.53684**	**.52217**	**.51290**
Stddev	.0080	.0027	.00032	.00140	.00156
%RSD	.37933	.12003	.05882	.26747	.30405
#1	2.1025	2.2672	.53662	.52118	.51180
#2	2.0912	2.2711	.53707	.52315	.51401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3913.6**	**58244.**	**4335.6**
Stddev	11.0	3.	2.4
%RSD	.28117	.00525	.05422
#1	3905.9	58242.	4337.3
#2	3921.4	58246.	4334.0

Sample Name: 280-19316-a-12-c Acquired: 8/26/2011 1:41:48 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82619 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00663**	**.00388**	**.00375**	**-.00031**	**.00001**	**.00082**	**.03708**	**.00023**	**.00020**
Stddev	.00052	.00172	.00222	.00011	.00033	.00001	.00171	.00136	.00010	.00008
%RSD	271.31	25.991	57.148	2.8399	107.04	103.40	209.18	3.6596	43.352	40.228
#1	-.00056	.00541	.00232	.00368	-.00007	.00002	-.00039	.03612	.00030	.00014
#2	.00018	.00785	.00545	.00383	-.00054	.00000	.00203	.03804	.00016	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00182**	**.03716**	**.04851**	**.00562**	**.00742**	**.00203**	**.00535**	**.14168**	**.00047**
Stddev	.00026	.00004	.00498	.05528	.00198	.00052	.00000	.00188	.00846	.00025
%RSD	47.088	1.9949	13.399	113.97	35.167	6.9828	.13023	35.065	5.9718	53.077
#1	.00037	.00179	.04068	.08759	.00422	.00778	.00203	.00403	.14766	.00065
#2	.00074	.00184	.03364	.00942	.00702	.00705	.00203	.00668	.13569	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00474**	**-.00008**	**.00236**	**-.00191**	**.00766**	**.01061**	**.00084**	**.00017**	**.00024**	**.00080**
Stddev	.00562	.00112	.00169	.00069	.00448	.01218	.00142	.00007	.00036	.00016
%RSD	118.46	1473.5	71.434	36.225	58.437	114.79	167.90	42.955	149.56	20.506
#1	.00077	-.00087	.00117	-.00239	.00450	.01923	-.00016	.00022	-.00001	.00091
#2	.00872	.00072	.00355	-.00142	.01083	.00200	.00185	.00012	.00050	.00068
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00260**	**.03063**	**.00037**	**.00298**	**.00202**
Stddev	.00034	.01513	.00007	.00023	.00015
%RSD	13.019	49.390	19.147	7.8208	7.3667
#1	.00284	.04133	.00032	.00281	.00212
#2	.00236	.01994	.00042	.00314	.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4077.8**	**61750.**	**4399.3**
Stddev	1.9	58.	.6
%RSD	.04542	.09375	.01436
#1	4076.5	61709.	4399.7
#2	4079.1	61790.	4398.8

Sample Name: CCVH-940568 Acquired: 8/26/2011 1:44:29 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02136**	**50.711**	**-.00588**	**.00306**	**.00009**	**-.00016**	**1.0469**	**.03923**	**-.00123**	**.00193**	**.00018**	**-.00180**	**51.481**
Stddev	.00014	.058	.00133	.00008	.00021	.00002	.0030	.00236	.00022	.00003	.00016	.00005	.112
%RSD	.65313	.11411	22.551	2.4569	240.60	11.366	.28838	6.0061	18.034	1.6520	87.793	2.5219	.21661
#1	-.02126	50.670	-.00495	.00312	-.00006	-.00017	1.0447	.03757	-.00139	.00191	.00029	-.00177	51.560
#2	-.02146	50.752	-.00682	.00301	.00023	-.00014	1.0490	.04090	-.00107	.00195	.00007	-.00183	51.402
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18260**	**.00510**	**-.10582**	**.00154**	**-.00169**	**273.45**	**.00093**	**.00135**	**-.00032**	**5.1717**	**-.01003**	**.00971**	**.02082**
Stddev	.03453	.00059	.00190	.00003	.00004	.18	.00019	.00464	.00027	.0102	.00302	.00025	.00095
%RSD	18.910	11.472	1.7959	1.8490	2.6434	.06495	20.977	343.22	84.675	.19663	30.110	2.5975	4.5819
#1	.15819	.00469	-.10447	.00152	-.00172	273.32	.00079	-.00193	-.00013	5.1789	-.01216	.00989	.02015
#2	.20702	.00551	-.10716	.00156	-.00166	273.58	.00106	.00463	-.00052	5.1645	-.00789	.00953	.02150
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00099**	**.00071**	**5.1436**	**.00242**	**.00394**	**10.852**	**-.00913**	**.00689**	**.01175**
Stddev	.00000	.00009	.0061	.00015	.00138	.031	.00040	.00050	.00244
%RSD	.33240	13.039	.11929	6.1557	34.935	.28736	4.4212	7.2622	20.759
#1	.00099	.00077	5.1392	.00253	.00297	10.830	-.00941	.00724	.01003
#2	.00099	.00064	5.1479	.00232	.00492	10.874	-.00884	.00654	.01348
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3897.2**	**57158.**	**4290.3**
Stddev	5.7	117.	12.9
%RSD	.14528	.20471	.30129
#1	3901.2	57241.	4299.5
#2	3893.2	57076.	4281.2

Sample Name: CCV-940591 Acquired: 8/26/2011 1:47:02 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54182**	**.52758**	**1.0390**	**.52223**	**.52981**	**.50235**	**.00465**	**5.0271**	**.52593**	**.52147**	**.52005**	**.53083**	**2.4761**
Stddev	.00193	.00455	.0097	.00102	.00161	.00108	.00175	.0005	.00036	.00089	.00063	.00185	.0060
%RSD	.35604	.86176	.93705	.19599	.30481	.21450	37.752	.00992	.06831	.17052	.12028	.34813	.24060
#1	.54046	.52437	1.0459	.52151	.52867	.50158	.00589	5.0267	.52618	.52084	.51961	.52952	2.4803
#2	.54318	.53080	1.0322	.52296	.53095	.50311	.00341	5.0274	.52567	.52209	.52050	.53213	2.4719
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.588**	**1.0236**	**21.068**	**.52495**	**.51944**	**5.4028**	**.51854**	**1.0144**	**1.0474**	**-.00063**	**1.0337**	**1.0444**	**4.8718**
Stddev	.048	.0024	.036	.00084	.00175	.0001	.00020	.0025	.0046	.00049	.0034	.0000	.0159
%RSD	.09277	.23296	.17194	.16062	.33740	.00185	.03772	.24760	.43480	77.451	.32580	.00302	.32653
#1	51.554	1.0219	21.042	.52435	.52068	5.4029	.51867	1.0127	1.0506	-.00028	1.0313	1.0443	4.8831
#2	51.622	1.0253	21.093	.52554	.51820	5.4028	.51840	1.0162	1.0441	-.00097	1.0361	1.0444	4.8606
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0381**	**.52740**	**-.00183**	**.51351**	**1.0586**	**.04800**	**.53013**	**.52571**	**.51089**
Stddev	.0009	.00001	.00060	.00010	.0014	.00831	.00027	.00067	.00161
%RSD	.08545	.00197	32.972	.02007	.13705	17.305	.05161	.12685	.31517
#1	1.0387	.52741	-.00140	.51358	1.0576	.05387	.52994	.52524	.50975
#2	1.0375	.52740	-.00226	.51344	1.0596	.04213	.53033	.52618	.51203
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3989.1**	**59186.**	**4307.2**
Stddev	2.4	114.	12.6
%RSD	.05899	.19331	.29162
#1	3987.4	59267.	4298.4
#2	3990.8	59105.	4316.1

Sample Name: CCB Acquired: 8/26/2011 1:49:25 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**-.00109**	**.00195**	W **.00227**	**-.00027**	**-.00002**	**.00112**	**.00203**	**.00035**	**.00001**	**.00038**
Stddev	.00015	.00153	.00386	.00061	.00016	.00004	.00041	.00361	.00006	.00010	.00048
%RSD	84.931	140.55	197.63	26.862	58.364	263.96	36.331	178.04	16.138	700.41	128.45
#1	-.00007	-.00217	-.00078	.00184	-.00038	.00001	.00141	.00459	.00031	-.00006	.00003
#2	-.00028	-.00001	.00468	.00270	-.00016	-.00005	.00083	-.00053	.00039	.00008	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156							
Low Limit				-.00156							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**-.00010**	**.07087**	F **.00564**	**.00080**	**-.00005**	**.00307**	F **.12187**	**.00011**	**-.00108**	**-.00109**
Stddev	.00049	.00131	.03656	.00125	.00025	.00003	.00057	.00210	.00000	.00187	.00147
%RSD	71.988	1335.9	51.585	22.147	31.316	51.122	18.438	1.7208	.14183	172.08	134.71
#1	.00033	.00083	.09672	.00475	.00098	-.00007	.00267	.12039	.00011	.00024	-.00005
#2	.00102	-.00102	.04502	.00652	.00063	-.00003	.00347	.12336	.00011	-.00240	-.00213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.00522				.10000			
Low Limit				-.00522				-.10000			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00307**	F **.00640**	W **.00515**	**.00249**	**.00155**	**.00011**	**.00021**	**.00024**	**.00218**	**.01639**	**-.00005**
Stddev	.00513	.00238	.00018	.00399	.00051	.00003	.00101	.00020	.00009	.00347	.00028
%RSD	167.14	37.257	3.5836	160.53	32.640	24.776	481.17	83.723	4.2222	21.189	607.72
#1	-.00056	.00471	.00502	-.00034	.00120	.00009	-.00051	.00010	.00211	.01884	.00015
#2	.00670	.00808	.00528	.00531	.00191	.00013	.00093	.00039	.00224	.01393	-.00024
Check ?	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628	.00486								
Low Limit		-.00628	-.00486								

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.00158**	**.00103**
Stddev	.00013	.00279
%RSD	7.9434	270.55
#1	.00149	-.00094
#2	.00167	.00300
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4000.8**	**60403.**	**4293.2**
Stddev	10.5	126.	14.9
%RSD	.26257	.20928	.34600
#1	3993.3	60313.	4282.7
#2	4008.2	60492.	4303.7

Sample Name: CCVL942742 Acquired: 8/26/2011 1:52:02 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01112**	**.10806**	**.01420**	**.10259**	**.01011**	**.00093**	F **.13019**	**.20458**	**.00562**	**.01056**	**.01073**
Stddev	.00020	.00145	.00126	.00042	.00010	.00002	.00214	.00262	.00002	.00015	.00023
%RSD	1.7940	1.3385	8.8922	.40506	1.0092	1.6638	1.6456	1.2809	.42458	1.4500	2.1293
#1	.01126	.10704	.01510	.10288	.01004	.00094	.13171	.20643	.00564	.01067	.01089
#2	.01098	.10908	.01331	.10230	.01018	.00092	.12868	.20273	.00561	.01046	.01056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01716**	**.09554**	**3.1790**	**.00882**	**.22042**	**.01077**	**.02009**	**1.1865**	**.04244**	**2.9040**	**.00840**
Stddev	.00016	.00136	.0125	.00075	.00143	.00014	.00004	.0035	.00024	.0043	.00045
%RSD	.94305	1.4216	.39306	8.4747	.64795	1.2677	.21979	.29831	.56921	.14644	5.3932
#1	.01727	.09458	3.1878	.00935	.21941	.01067	.02006	1.1840	.04261	2.9070	.00872
#2	.01704	.09650	3.1701	.00829	.22143	.01086	.02012	1.1890	.04227	2.9010	.00808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00055**	**.01140**	**.01524**	**.46887**	**.10252**	**.01074**	**.01346**	**.01031**	W **.01806**	F **.08165**	**.01002**
Stddev	.00558	.00130	.00445	.02350	.00026	.00005	.00061	.00087	.00163	.03598	.00046
%RSD	1005.2	11.395	29.199	5.0116	.24959	.46551	4.5429	8.4564	9.0002	44.062	4.5542
#1	.00339	.01048	.01839	.45226	.10270	.01078	.01389	.00970	.01921	.05621	.00970
#2	-.00450	.01232	.01210	.48549	.10234	.01071	.01303	.01093	.01691	.10709	.01034
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass
Value									.01500	.06000	
Range									20.000%	30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02290**	F **.02087**
Stddev	.00018	.00080
%RSD	.78461	3.8417
#1	.02303	.02030
#2	.02277	.02143
Check ?	Chk Pass	Chk Fail
Value		.01500
Range		30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4096.0**	**61283.**	**4346.5**
Stddev	1.2	147.	9.2
%RSD	.02830	.23990	.21073
#1	4095.2	61387.	4352.9
#2	4096.8	61179.	4340.0

Sample Name: mb 280-82547/1-a Acquired: 8/26/2011 1:54:36 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82547 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00027	.00078	.00038	.00122	F .02888	-.00001	-.00118	.04231	.00025	-.00028
Stddev	.00036	.00060	.00105	.00007	.00001	.00003	.00052	.00164	.00007	.00034
%RSD	134.07	76.989	274.30	5.8425	.02965	410.98	43.890	3.8759	26.278	123.11
#1	-.00001	.00121	-.00036	.00117	.02887	.00001	-.00155	.04116	.00021	-.00052
#2	-.00052	.00036	.00112	.00127	.02888	-.00003	-.00081	.04347	.00030	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.01000					
Low Limit					-.01000					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00025	.00117	F .65596	.01921	.00190	.00241	.00199	.00013	.08785	-.00006
Stddev	.00003	.00008	.00288	.04195	.00013	.00041	.00004	.00028	.00934	.00011
%RSD	11.910	6.8365	.43919	218.40	6.6899	16.797	2.1169	211.43	10.631	193.12
#1	.00023	.00112	.65800	-.01045	.00181	.00213	.00196	-.00006	.08125	.00002
#2	.00027	.00123	.65393	.04887	.00200	.00270	.00202	.00033	.09446	-.00014
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000							
Low Limit			-.10000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00031	-.00133	.00820	-.00096	.00093	-.00132	.00000	.00070	-.00170	.00025
Stddev	.00208	.00077	.00502	.00103	.00255	.00305	.00037	.00001	.00159	.00027
%RSD	667.13	58.145	61.169	107.87	275.52	231.89	77396.	.79187	93.799	107.17
#1	.00116	-.00078	.01175	-.00169	.00273	-.00348	-.00026	.00069	-.00282	.00045
#2	-.00178	-.00187	.00465	-.00023	-.00088	.00084	.00026	.00070	-.00057	.00006
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00020	.02696	-.00039	.00177	.00428
Stddev	.00101	.00573	.00022	.00030	.00320
%RSD	515.07	21.264	56.301	16.905	74.798
#1	.00052	.02291	-.00054	.00198	.00655
#2	-.00091	.03101	-.00023	.00156	.00202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	4074.3	61637.	4382.5
Stddev	6.8	56.	2.9
%RSD	.16776	.09073	.06603
#1	4079.1	61677.	4384.6
#2	4069.4	61598.	4380.5

Sample Name: lcs 280-82547/2-a Acquired: 8/26/2011 1:57:16 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82547 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05088**	**1.9414**	**1.0434**	**1.0079**	**2.1120**	**.04980**	F **2.4046**	**49.111**	**.10844**	**.50572**
Stddev	.00027	.0241	.0011	.0003	.0024	.00002	.0075	.034	.00028	.00192
%RSD	.53624	1.2403	.10586	.03386	.11222	.03487	.30998	.06896	.25483	.37918
#1	.05068	1.9584	1.0426	1.0082	2.1137	.04979	2.4099	49.135	.10864	.50708
#2	.05107	1.9244	1.0442	1.0077	2.1103	.04981	2.3993	49.087	.10825	.50436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20621**	**.26323**	**.97917**	**51.916**	**1.0220**	**51.761**	**.51628**	**1.0410**	**54.538**	**.50205**
Stddev	.00093	.00089	.00240	.058	.0005	.046	.00014	.0038	.090	.00171
%RSD	.45124	.33802	.24545	.11144	.05069	.08904	.02738	.36532	.16585	.34122
#1	.20686	.26386	.98087	51.956	1.0216	51.794	.51638	1.0437	54.602	.50326
#2	.20555	.26261	.97747	51.875	1.0223	51.729	.51618	1.0384	54.474	.50084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.194**	**.51136**	**-.01287**	**.51540**	**2.0747**	**9.5333**	**2.0431**	**1.0553**	**1.0218**	**1.0430**
Stddev	.045	.00097	.00439	.00210	.0016	.0426	.0028	.0002	.0022	.0018
%RSD	.44027	.18997	34.088	.40782	.07840	.44641	.13911	.01551	.21940	.17228
#1	10.226	.51068	-.00977	.51689	2.0735	9.5032	2.0451	1.0554	1.0234	1.0443
#2	10.162	.51205	-.01597	.51391	2.0758	9.5634	2.0411	1.0551	1.0202	1.0418
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0577**	**2.1967**	**.53259**	**.51691**	**.51171**
Stddev	.0074	.0041	.00258	.00183	.00500
%RSD	.35950	.18781	.48507	.35345	.97626
#1	2.0629	2.1996	.53442	.51820	.50818
#2	2.0524	2.1938	.53077	.51561	.51524
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3928.0**	**57963.**	**4336.1**
Stddev	11.4	79.	7.4
%RSD	.29004	.13604	.17038
#1	3919.9	57907.	4330.9
#2	3936.0	58018.	4341.4

Sample Name: lcsd 280-82547/3-a Acquired: 8/26/2011 1:59:38 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82547 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05123**	**1.9549**	**1.0615**	**1.0264**	**2.1502**	**.05092**	F **2.4514**	**50.176**	**.10993**	**.51487**
Stddev	.00062	.0071	.0056	.0012	.0050	.00000	.0025	.083	.00022	.00080
%RSD	1.2177	.36393	.52540	.11347	.23144	.00157	.10238	.16558	.20006	.15553
#1	.05079	1.9599	1.0576	1.0256	2.1467	.05092	2.4496	50.117	.10977	.51543
#2	.05167	1.9499	1.0655	1.0272	2.1537	.05092	2.4531	50.235	.11009	.51430
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							2.2000			
Low Limit							1.8000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21034**	**.26776**	**1.0268**	**52.832**	**1.0368**	**52.451**	**.52494**	**1.0659**	**54.932**	**.51022**
Stddev	.00038	.00110	.0075	.091	.0002	.104	.00049	.0012	.346	.00006
%RSD	.17901	.41140	.72770	.17168	.01826	.19907	.09323	.11477	.63058	.01134
#1	.21007	.26699	1.0321	52.768	1.0370	52.377	.52459	1.0668	55.177	.51018
#2	.21060	.26854	1.0215	52.896	1.0367	52.525	.52529	1.0650	54.687	.51026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.364**	**.51867**	**-.00813**	**.52784**	**2.1175**	**9.8001**	**2.0791**	**1.0738**	**1.0371**	**1.0610**
Stddev	.001	.00165	.00208	.00308	.0038	.0580	.0036	.0018	.0036	.0007
%RSD	.00986	.31767	25.620	.58334	.18029	.59153	.17131	.16729	.34966	.06279
#1	10.365	.51751	-.00961	.52566	2.1202	9.7591	2.0816	1.0726	1.0345	1.0606
#2	10.363	.51984	-.00666	.53002	2.1148	9.8411	2.0765	1.0751	1.0396	1.0615
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.0927**	**2.2897**	**.53841**	**.52293**	**.52523**
Stddev	.0014	.0029	.00149	.00112	.00280
%RSD	.06431	.12903	.27712	.21394	.53236
#1	2.0937	2.2876	.53736	.52214	.52721
#2	2.0918	2.2918	.53947	.52373	.52325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3936.9**	**58291.**	**4346.7**
Stddev	2.9	83.	18.1
%RSD	.07463	.14218	.41676
#1	3934.8	58232.	4359.5
#2	3939.0	58349.	4333.9

Sample Name: 280-19378-a-1-b Acquired: 8/26/2011 2:01:58 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82547 6010B

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01120**	**2.5127**	W **3.0128**	**.01787**	**1.6030**	**.39255**	**.00012**	**.00624**	**87.302**	**.00518**
Stddev	.00011	.0091	.0330	.00263	.0010	.00031	.00004	.00091	.177	.00023
%RSD	.96147	.36185	1.0942	14.707	.06520	.07889	37.005	14.549	.20280	4.5260
#1	.01128	2.5192	3.0361	.01601	1.6022	.39233	.00009	.00688	87.177	.00501
#2	.01112	2.5063	2.9895	.01973	1.6037	.39277	.00015	.00559	87.427	.00534
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00							
Low Limit			4.0000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00772**	**.04338**	**.73297**	**10.726**	F **578.76**	**.06691**	**40.290**	**.77094**	**.05037**	W **1463.0**
Stddev	.00030	.00016	.00011	.021	.14	.00545	.064	.00091	.00148	5.1
%RSD	3.8922	.37615	.01464	.19337	.02453	8.1492	.15894	.11779	2.9304	.34767
#1	.00751	.04327	.73304	10.712	578.86	.06305	40.245	.77030	.04932	1459.4
#2	.00794	.04350	.73289	10.741	578.66	.07077	40.335	.77158	.05141	1466.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					500.00					500.00
Low Limit					-2.0000					10.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04592**	**1.3476**	**.15485**	**129.22**	**.00268**	**.01388**	**11.137**	**.02534**	**.79685**	**-.00009**
Stddev	.00020	.0011	.00077	.00	.00206	.00729	.007	.00077	.00170	.00070
%RSD	.43504	.08333	.49506	.00191	76.772	52.509	.06557	3.0192	.21387	811.88
#1	.04606	1.3468	.15431	129.23	.00414	.00873	11.132	.02588	.79565	.00041
#2	.04577	1.3484	.15539	129.22	.00123	.01903	11.143	.02480	.79806	-.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07643**	**.00345**	**.01275**	**.00166**	**1.3344**	**.01027**
Stddev	.00025	.00117	.01077	.00002	.0026	.00150
%RSD	.32668	33.789	84.473	1.2282	.19535	14.647
#1	.07626	.00263	.02037	.00168	1.3326	.01133
#2	.07661	.00428	.00514	.00165	1.3363	.00921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3690.6**	**52621.**	**4355.1**
Stddev	9.3	187.	1.3
%RSD	.25307	.35521	.02892
#1	3697.2	52753.	4354.2
#2	3684.0	52489.	4356.0

Sample Name: 280-19378-a-1-bSD@5 Acquired: 8/26/2011 2:05:21 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82547 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00147**	**.57431**	**.00449**	**.34000**	**.07945**	**-.00002**	**.00005**	**17.688**	**.00126**	**.00144**
Stddev	.00064	.00577	.00004	.00041	.00042	.00009	.00027	.029	.00004	.00034
%RSD	43.449	1.0055	.89957	.11915	.53286	551.29	486.87	.16168	2.7690	23.736
#1	.00102	.57839	.00446	.33971	.07915	.00005	.00024	17.708	.00129	.00120
#2	.00192	.57023	.00452	.34029	.07975	-.00008	-.00013	17.667	.00124	.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00903**	**.15071**	**2.1815**	W **117.94**	**.01702**	**8.4374**	**.15626**	**.00972**	**293.66**	**.00949**
Stddev	.00008	.00002	.0098	.14	.00329	.0154	.00042	.00010	1.26	.00055
%RSD	.87221	.01629	.45132	.12259	19.328	.18209	.26928	.98555	.42880	5.8303
#1	.00897	.15069	2.1885	118.04	.01469	8.4483	.15656	.00979	294.55	.00910
#2	.00908	.15073	2.1746	117.84	.01935	8.4266	.15597	.00966	292.77	.00989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26714**	**.03172**	**25.550**	**-.00138**	**-.00094**	**2.2017**	**.00396**	**.16227**	**-.00115**	**.01512**
Stddev	.00348	.00014	.014	.00187	.00093	.0158	.00046	.00073	.00036	.00006
%RSD	1.3023	.43457	.05369	135.57	98.977	.71775	11.732	.44711	31.035	.40602
#1	.26468	.03162	25.540	-.00006	-.00028	2.1905	.00363	.16278	-.00090	.01508
#2	.26960	.03181	25.560	-.00269	-.00159	2.2129	.00429	.16176	-.00140	.01517
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00238**	**.04947**	**.00021**	**.27174**	**.00358**
Stddev	.00161	.02688	.00005	.00003	.00147
%RSD	67.690	54.339	22.957	.01282	40.883
#1	.00352	.03046	.00018	.27171	.00255
#2	.00124	.06848	.00024	.27176	.00462
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3850.7**	**56212.**	**4310.5**
Stddev	2.5	91.	10.6
%RSD	.06555	.16245	.24681
#1	3852.5	56277.	4302.9
#2	3848.9	56148.	4318.0

Sample Name: CCVH-940568 Acquired: 8/26/2011 2:08:02 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02094**	**49.426**	**-.00796**	**.00388**	**-.00049**	**-.00019**	**1.0329**	**.02828**	**-.00105**	**.00198**	**.00020**	**-.00136**	**50.219**
Stddev	.00004	.068	.00357	.00060	.00044	.00004	.0036	.00209	.00007	.00005	.00015	.00010	.083
%RSD	.21479	.13671	44.814	15.422	90.810	19.573	.34679	7.3937	6.2198	2.3717	77.359	7.3696	.16618
#1	-.02097	49.474	-.00544	.00346	-.00017	-.00016	1.0303	.02976	-.00100	.00202	.00030	-.00129	50.278
#2	-.02091	49.378	-.01048	.00431	-.00080	-.00022	1.0354	.02680	-.00109	.00195	.00009	-.00143	50.160
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.57897**	**.00368**	**-.10556**	**.00060**	**-.00201**	**268.25**	**.00086**	**.00339**	**.00081**	**5.0791**	**-.01069**	**.01033**	**.03242**
Stddev	.05133	.00008	.00013	.00002	.00031	.10	.00042	.00209	.00228	.0106	.00220	.00344	.01248
%RSD	8.8656	2.0487	.12584	2.8095	15.479	.03721	47.998	61.550	281.92	.20816	20.558	33.324	38.503
#1	.54267	.00374	-.10566	.00061	-.00223	268.32	.00116	.00487	.00242	5.0716	-.01224	.00789	.02359
#2	.61527	.00363	-.10547	.00059	-.00179	268.18	.00057	.00192	-.00080	5.0866	-.00913	.01276	.04125
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00125**	**.00055**	**5.0396**	**.00153**	**.00428**	**10.571**	**-.00813**	**.00477**	**.01096**
Stddev	.00074	.00004	.0002	.00053	.00205	.024	.00016	.00036	.00221
%RSD	59.075	7.9721	.00465	34.493	47.881	.22713	1.9606	7.6502	20.216
#1	.00177	.00058	5.0398	.00115	.00283	10.554	-.00801	.00451	.01252
#2	.00073	.00052	5.0395	.00190	.00572	10.588	-.00824	.00502	.00939
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3885.2**	**57188.**	**4307.0**
Stddev	5.5	240.	1.1
%RSD	.14080	.41985	.02477
#1	3889.1	57018.	4306.2
#2	3881.4	57358.	4307.7

Sample Name: CCV-940591 Acquired: 8/26/2011 2:10:36 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54365**	**.52687**	**1.0437**	**.52560**	**.53173**	**.50384**	**.00307**	**5.0192**	**.52739**	**.51991**	**.51904**	**.53239**
Stddev	.00071	.00286	.0002	.00110	.00045	.00025	.00096	.0012	.00063	.00124	.00101	.00170
%RSD	.13101	.54260	.01699	.20947	.08395	.04886	31.363	.02395	.11947	.23838	.19380	.31915
#1	.54315	.52485	1.0436	.52482	.53205	.50366	.00239	5.0183	.52783	.51903	.51833	.53359
#2	.54415	.52889	1.0439	.52638	.53142	.50401	.00376	5.0200	.52694	.52078	.51975	.53119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4739**	**51.888**	**1.0337**	**21.083**	**.52728**	**.52148**	F **5.6080**	**.51846**	**1.0092**	**1.0499**	**.00111**	**1.0378**
Stddev	.0051	.034	.0027	.013	.00057	.00074	.0143	.00078	.0007	.0019	.00365	.0009
%RSD	.20565	.06591	.26038	.06239	.10850	.14233	.25485	.14962	.06760	.18101	328.18	.08392
#1	2.4703	51.864	1.0356	21.074	.52687	.52200	5.5979	.51901	1.0097	1.0513	.00369	1.0372
#2	2.4775	51.912	1.0318	21.092	.52768	.52095	5.6182	.51791	1.0087	1.0486	-.00147	1.0385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0410**	**4.9039**	**1.0367**	**.52997**	**.00034**	**.51491**	**1.0543**	**.03596**	**.53364**	**.52676**	**.51161**
Stddev	.0003	.0126	.0001	.00061	.00090	.00052	.0013	.01340	.00102	.00035	.00006
%RSD	.03257	.25662	.00859	.11484	263.34	.10123	.12075	37.269	.19023	.06720	.01087
#1	1.0407	4.8950	1.0367	.52954	-.00030	.51527	1.0534	.02649	.53292	.52701	.51157
#2	1.0412	4.9128	1.0366	.53040	.00098	.51454	1.0552	.04544	.53436	.52651	.51165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3984.3**	**58981.**	**4316.8**
Stddev	3.3	211.	13.1
%RSD	.08181	.35760	.30347
#1	3986.6	59130.	4326.1
#2	3982.0	58832.	4307.6

Sample Name: CCB Acquired: 8/26/2011 2:12:58 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**-.00109**	**.00120**	W **.00284**	W **-.00067**	**-.00006**	**.00014**	**.00529**	**.00034**	**.00016**
Stddev	.00016	.00085	.00043	.00010	.00039	.00011	.00044	.00122	.00040	.00035
%RSD	46.004	78.677	35.613	3.6330	58.185	191.60	311.70	23.030	118.62	210.71
#1	.00023	-.00048	.00150	.00292	-.00039	-.00014	-.00017	.00615	.00005	-.00008
#2	.00045	-.00169	.00090	.00277	-.00094	.00002	.00045	.00442	.00062	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				.00156	.00058					
Low Limit				-.00156	-.00058					

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00093**	**-.00076**	**.20637**	W **.00509**	**-.00087**	**.00000**	**.00292**	F **.21995**	**-.00005**
Stddev	.00033	.00011	.00054	.00932	.00184	.00435	.0000	.00064	.01816	.00000
%RSD	105.47	11.851	71.608	4.5153	36.132	497.54	30.359	22.082	8.2577	.65441
#1	.00008	.00085	-.00114	.19979	.00640	.00220	-.00001	.00246	.23279	-.00005
#2	.00054	.00101	-.00037	.21296	.00379	-.00395	.00000	.00337	.20711	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					.00261				.10000	
Low Limit					-.00261				-.10000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00139**	W **-.00265**	**.00187**	F **.00683**	W **.00531**	**.00303**	**.00101**	W **.00035**	**-.00088**	**.00028**
Stddev	.00082	.00040	.00161	.00041	.00008	.01084	.00124	.00003	.00020	.00012
%RSD	59.002	15.185	86.477	5.9853	1.4248	357.44	123.26	8.6201	22.511	41.607
#1	-.00081	-.00237	.00073	.00654	.00526	-.00463	.00013	.00033	-.00074	.00020
#2	-.00196	-.00294	.00301	.00712	.00537	.01070	.00188	.00037	-.00102	.00036
Check ?	Chk Pass	Chk Warn	None	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit		.00261		.00628	.00486			.00030		
Low Limit		-.00261		-.00628	-.00486			-.00030		

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**.01412**	**.00037**	**.00198**	W **.00453**
Stddev	.00127	.02457	.00003	.00008	.00239
%RSD	168.96	173.95	8.9463	3.9371	52.751
#1	-.00015	-.00325	.00034	.00193	.00284
#2	.00165	.03150	.00039	.00204	.00622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					.00238
Low Limit					-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4001.5**	**60470.**	**4266.4**
Stddev	.6	102.	14.2
%RSD	.01431	.16919	.33222
#1	4001.1	60398.	4256.4
#2	4001.9	60543.	4276.4

Sample Name: CCVL942742 Acquired: 8/26/2011 2:15:34 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01030**	**.10638**	**.01432**	**.10440**	**.01069**	**.00095**	F **.13462**	**.20449**	**.00555**	**.01063**	**.01044**
Stddev	.00006	.00257	.00042	.00043	.00007	.00009	.00092	.00658	.00006	.00013	.00011
%RSD	.57251	2.4186	2.9207	.41338	.62566	9.3551	.68227	3.2200	1.1511	1.2025	1.0762
#1	.01034	.10820	.01462	.10409	.01074	.00089	.13527	.20914	.00551	.01072	.01036
#2	.01026	.10456	.01403	.10470	.01065	.00101	.13397	.19983	.00560	.01054	.01052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01705**	**.09716**	**3.2254**	F **.01321**	**.21900**	**.01091**	**.02079**	W **1.2760**	**.04255**	**2.9198**	**.01032**
Stddev	.00036	.00026	.0403	.00133	.00168	.00010	.00046	.0065	.00002	.0030	.00050
%RSD	2.1327	.26491	1.2484	10.040	.76742	.92567	2.1889	.50912	.04860	.10238	4.8169
#1	.01680	.09698	3.1969	.01227	.22019	.01084	.02047	1.2714	.04254	2.9177	.01067
#2	.01731	.09734	3.2539	.01415	.21781	.01098	.02111	1.2806	.04257	2.9220	.00996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
Value				.01000				1.0000			
Range				30.000%				20.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00583**	**.00861**	**.01570**	**.46156**	**.10339**	**.01075**	**.01279**	**.01057**	W **.01943**	F **.08857**	**.01017**
Stddev	.00065	.00200	.00046	.00186	.00093	.00015	.00158	.00016	.00034	.02397	.00060
%RSD	11.155	23.258	2.9328	.40268	.89758	1.3905	12.384	1.4870	1.7588	27.065	5.9305
#1	.00537	.00719	.01603	.46025	.10273	.01064	.01167	.01046	.01919	.10552	.00974
#2	.00629	.01002	.01538	.46288	.10404	.01085	.01391	.01068	.01968	.07162	.01060
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass
Value									.01500	.06000	
Range									20.000%	30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02308**	F **.02060**
Stddev	.00033	.00020
%RSD	1.4448	.96906
#1	.02285	.02046
#2	.02332	.02075
Check ?	Chk Pass	Chk Fail
Value		.01500
Range		30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4081.3**	**61417.**	**4324.4**
Stddev	10.3	3.	4.3
%RSD	.25317	.00456	.09849
#1	4088.6	61419.	4321.4
#2	4073.9	61415.	4327.4

Sample Name: 280-19378-a-2-b Acquired: 8/26/2011 2:18:10 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82547 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00630**	**7.0067**	**.00724**	**.91745**	**.76622**	**.00044**	**-.00088**	**152.55**	**.01015**	**.00983**
Stddev	.00039	.0542	.00044	.00001	.00190	.00008	.00118	.44	.00014	.00003
%RSD	6.1105	.77328	6.0333	.00072	.24862	19.213	134.03	.28551	1.4114	.25776
#1	.00603	7.0450	.00755	.91745	.76757	.00038	-.00171	152.86	.01025	.00984
#2	.00658	6.9684	.00693	.91744	.76488	.00050	-.00005	152.24	.01005	.00981
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15045**	**1.3166**	**33.309**	W **287.31**	**.21944**	**56.553**	**2.0606**	**.03878**	W **1019.8**	**.05816**
Stddev	.00014	.0025	.043	.88	.00299	.077	.0036	.00015	.1	.00020
%RSD	.08988	.18910	.13041	.30508	1.3643	.13640	.17507	.38102	.00848	.33614
#1	.15035	1.3149	33.340	287.93	.22156	56.498	2.0581	.03888	1019.9	.05830
#2	.15054	1.3184	33.279	286.69	.21733	56.607	2.0632	.03867	1019.8	.05802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7281**	**.30089**	**508.38**	**.01002**	**.00683**	**14.977**	**.46763**	**1.8878**	**-.00056**	**.09788**
Stddev	.0022	.00159	.64	.00003	.00217	.074	.00133	.0042	.00083	.00012
%RSD	.12949	.52944	.12586	.31041	31.807	.49528	.28538	.22364	149.35	.12623
#1	1.7297	.29977	508.83	.01005	.00529	15.029	.46669	1.8908	.00003	.09797
#2	1.7266	.30202	507.93	.01000	.00837	14.924	.46858	1.8848	-.00114	.09779
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00316**	**.05043**	W **-.01529**	**2.9756**	**.01160**
Stddev	.00066	.01299	.00059	.0078	.00158
%RSD	20.927	25.752	3.8311	.26239	13.648
#1	.00269	.04124	-.01487	2.9701	.01272
#2	.00363	.05961	-.01570	2.9811	.01048
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit			45.000		
Low Limit			-.01000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3694.2**	**53029.**	**4327.7**
Stddev	3.5	140.	15.2
%RSD	.09404	.26441	.35100
#1	3691.7	53128.	4338.4
#2	3696.6	52929.	4316.9

Sample Name: 280-19378-a-3-b Acquired: 8/26/2011 2:21:31 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82547 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00179**	**6.8957**	F **-.10520**	**1.1429**	**.16584**	**.00055**	**.05517**	**131.58**	**.02155**	**.02108**
Stddev	.00105	.0339	.00232	.0014	.00005	.00000	.00046	.14	.00008	.00013
%RSD	58.798	.49125	2.2066	.12479	.02972	.67090	.83452	.10533	.36001	.61142
#1	.00105	6.8718	-.10685	1.1419	.16588	.00055	.05550	131.68	.02149	.02117
#2	.00254	6.9197	-.10356	1.1439	.16581	.00054	.05484	131.48	.02160	.02099
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000							
Low Limit			-.02000							

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **33.038**	**1.1022**	**35.923**	**51.962**	**.16689**	**35.378**	**1.4371**	**.18700**	W **2013.6**	**.06997**
Stddev	.018	.0004	.015	.032	.00139	.007	.0004	.00097	4.0	.00022
%RSD	.05446	.03326	.04240	.06158	.83318	.02118	.03089	.51673	.19889	.31927
#1	33.051	1.1025	35.934	51.985	.16787	35.373	1.4374	.18632	2016.5	.07013
#2	33.025	1.1020	35.913	51.939	.16591	35.384	1.4368	.18768	2010.8	.06981
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	10.000								500.00	
Low Limit	-.01000								10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **156.79**	**.12883**	**445.61**	**.03038**	**.01882**	**46.826**	**.02262**	**1.2268**	F **-.03192**	**.04233**
Stddev	.24	.00128	.21	.00375	.00433	.037	.00008	.0026	.00302	.00042
%RSD	.14998	.99346	.04656	12.345	22.995	.07834	.36179	.20984	9.4545	.98233
#1	156.96	.12973	445.47	.02773	.01576	46.800	.02256	1.2286	-.02979	.04203
#2	156.63	.12792	445.76	.03303	.02188	46.852	.02268	1.2250	-.03405	.04262
Check ?	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	50.000								50.000	
Low Limit	-2.0000								-.02000	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00716**	**.05631**	**.22614**	**7.3467**	**.00065**
Stddev	.00013	.02779	.00062	.0002	.00048
%RSD	1.8344	49.357	.27582	.00267	74.082
#1	-.00707	.03666	.22658	7.3465	.00100
#2	-.00726	.07596	.22570	7.3468	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3531.5**	**50826.**	**4293.3**
Stddev	9.1	33.	7.1
%RSD	.25849	.06557	.16563
#1	3525.1	50802.	4288.3
#2	3538.0	50849.	4298.3

Sample Name: 280-19378-a-4-b Acquired: 8/26/2011 2:24:51 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82547 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07450**	**9.6065**	**.00756**	**.63621**	**.18009**	**.00029**	**-.00015**	**121.06**	**.03643**	**.00904**
Stddev	.00040	.0200	.00221	.00022	.00009	.00009	.00075	.09	.00014	.00043
%RSD	.54327	.20790	29.178	.03380	.05008	31.400	491.22	.07732	.37697	4.7744
#1	.07478	9.5924	.00912	.63606	.18015	.00023	-.00069	120.99	.03634	.00874
#2	.07421	9.6207	.00600	.63636	.18002	.00036	.00038	121.13	.03653	.00935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08973**	**2.3654**	**38.859**	W **121.88**	**.07827**	**41.223**	**1.2056**	**.19184**	W **617.45**	**.04091**
Stddev	.00062	.0055	.028	.03	.00081	.096	.0022	.00033	.06	.00006
%RSD	.69362	.23257	.07320	.02370	1.0391	.23255	.18686	.17174	.01035	.15171
#1	.08929	2.3693	38.839	121.86	.07884	41.291	1.2072	.19161	617.49	.04086
#2	.09017	2.3615	38.879	121.90	.07769	41.156	1.2040	.19208	617.40	.04095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.8352**	**.06242**	**545.79**	**.00664**	**.00195**	**12.660**	**.07569**	**.81879**	**.00232**	**.10491**
Stddev	.0126	.00043	.27	.00040	.00019	.012	.00090	.00073	.00109	.00034
%RSD	.44373	.68676	.04904	6.0711	9.9640	.09770	1.1924	.08908	46.992	.31959
#1	2.8264	.06272	545.98	.00636	.00209	12.652	.07505	.81931	.00309	.10467
#2	2.8441	.06212	545.60	.00693	.00181	12.669	.07632	.81827	.00155	.10515
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00176**	**.03937**	**.00404**	**6.9114**	**.01494**
Stddev	.00140	.05137	.00018	.0102	.00055
%RSD	79.438	130.48	4.3828	.14799	3.7034
#1	.00274	.00305	.00391	6.9186	.01533
#2	.00077	.07570	.00417	6.9042	.01455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3780.6**	**54592.**	**4321.7**
Stddev	3.5	144.	8.0
%RSD	.09209	.26380	.18559
#1	3778.2	54490.	4316.0
#2	3783.1	54694.	4327.4

Sample Name: 280-19378-a-5-b Acquired: 8/26/2011 2:28:11 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82547 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00089**	**1.5758**	**.02191**	F **-.08240**	**.05789**	**-.00007**	**-.00383**	**22.022**	W **2.2175**	**.00891**
Stddev	.00001	.0121	.00024	.00043	.00009	.00010	.00099	.096	.0011	.00005
%RSD	1.5106	.76907	1.0778	.52403	.16369	138.48	25.885	.43415	.05083	.54420
#1	.00090	1.5844	.02174	-.08271	.05783	.00000	-.00453	21.955	2.2167	.00894
#2	.00088	1.5672	.02208	-.08210	.05796	-.00014	-.00312	22.090	2.2183	.00888
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					2.0000	
Low Limit				-.02000					-.00500	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13314**	**5.3836**	**3.8455**	W **173.00**	**.03564**	**11.605**	**.17302**	W **6.7586**	W **983.71**	**.00918**
Stddev	.00063	.0033	.0184	.36	.00032	.033	.00007	.0091	2.43	.00030
%RSD	.47174	.06202	.47753	.20594	.91122	.28227	.03862	.13457	.24676	3.2556
#1	.13359	5.3812	3.8325	172.75	.03541	11.582	.17307	6.7650	982.00	.00939
#2	.13270	5.3859	3.8585	173.25	.03587	11.628	.17297	6.7522	985.43	.00897
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit				100.00				2.0000	500.00	
Low Limit				-.50000				-.01000	10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **110.30**	**.12450**	**785.85**	**.16358**	**.00577**	**3.5471**	**.02254**	**.35193**	**-.00452**	**.03364**
Stddev	.17	.00141	.35	.00212	.00445	.0120	.00018	.00154	.00020	.00006
%RSD	.15181	1.1302	.04517	1.2940	77.146	.33851	.80526	.43740	4.3202	.16561
#1	110.42	.12549	786.10	.16507	.00262	3.5386	.02267	.35084	-.00438	.03368
#2	110.18	.12350	785.60	.16208	.00892	3.5556	.02241	.35302	-.00466	.03360
Check ?	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000									
Low Limit	-2.0000									

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00118**	**.03077**	**-.00103**	**.32382**	**.00693**
Stddev	.00053	.01620	.00042	.00047	.00262
%RSD	44.704	52.637	40.462	.14425	37.795
#1	-.00081	.04223	-.00073	.32349	.00879
#2	-.00156	.01932	-.00132	.32415	.00508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3750.2**	**54283.**	**4347.1**
Stddev	.3	215.	25.8
%RSD	.00821	.39628	.59430
#1	3750.0	54435.	4365.4
#2	3750.5	54131.	4328.9

Sample Name: 280-19378-a-6-b Acquired: 8/26/2011 2:31:32 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82547 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03187**	**52.314**	**.15611**	**.52335**	**1.0289**	**.02533**	**.21163**	**113.83**	**.08076**	**.11543**
Stddev	.00055	.043	.00248	.00198	.0016	.00005	.00024	.16	.00005	.00017
%RSD	1.7172	.08197	1.5862	.37893	.15813	.18331	.11362	.14422	.06234	.15122
#1	.03148	52.283	.15436	.52195	1.0277	.02530	.21146	113.71	.08080	.11530
#2	.03225	52.344	.15786	.52476	1.0300	.02537	.21180	113.95	.08073	.11555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37689**	**.29542**	**85.748**	**25.875**	**.20208**	**41.761**	**2.6144**	**.17605**	**141.18**	**.19265**
Stddev	.00086	.00061	.188	.099	.00267	.077	.0057	.00075	.59	.00030
%RSD	.22766	.20503	.21908	.38300	1.3203	.18478	.21965	.42855	.42124	.15694
#1	.37628	.29499	85.615	25.805	.20397	41.706	2.6103	.17552	140.76	.19244
#2	.37750	.29585	85.881	25.945	.20019	41.815	2.6185	.17659	141.60	.19287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.3807**	**1.0899**	**84.081**	**.06363**	**.19774**	**4.6746**	**9.4163**	**.74696**	**.18222**	**1.2339**
Stddev	.0064	.0008	.018	.00028	.00171	.0375	.0132	.00039	.00043	.0027
%RSD	.11862	.07074	.02102	.44723	.86328	.80222	.13988	.05244	.23326	.22234
#1	5.3761	1.0893	84.069	.06342	.19895	4.6481	9.4070	.74724	.18252	1.2320
#2	5.3852	1.0904	84.094	.06383	.19653	4.7012	9.4256	.74668	.18192	1.2359
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.19339**	**.39634**	**.12468**	**.85455**	**.11719**
Stddev	.00238	.00417	.00008	.00128	.00211
%RSD	1.2319	1.0530	.06641	.14947	1.7965
#1	.19171	.39339	.12473	.85364	.11570
#2	.19508	.39929	.12462	.85545	.11868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4296.0**	**63513.**	**4888.5**
Stddev	.4	43.	12.9
%RSD	.01006	.06734	.26475
#1	4295.7	63543.	4897.6
#2	4296.3	63483.	4879.3

Sample Name: 280-19378-a-7-b Acquired: 8/26/2011 2:33:56 Type: Unk
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment: 82547 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.05452**	**13.651**	k **.05532**	**2.0962**	**.52533**	k **.00357**	k **.15844**	**74.413**	k **.02054**	k **.01140**
Stddev	.00098	.017	.00299	.0041	.00112	.00009	.00213	.171	.00042	.00033
%RSD	1.7922	.12464	5.4061	.19405	.21253	2.3843	1.3418	.22997	2.0576	2.8791
#1	k .05521	13.639	k .05744	2.0991	.52454	k .00351	k .15995	74.292	k .02025	k .01117
#2	k .05383	13.663	k .05321	2.0933	.52612	k .00363	k .15694	74.534	k .02084	k .01163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.14835**	k **.13329**	**29.947**	F **1515.6**	kW **-.01166**	k **7.5116**	^ *****	**.10975**	W **2641.9**	**.02756**
Stddev	.00134	.00083	.041	5.4	.00175	.0033	-----	.00020	5.8	.00081
%RSD	.90061	.61907	.13693	.35454	15.011	.04399	-----	.18511	.21777	2.9328
#1	k .14740	k .13271	29.918	1519.4	k -.01043	k 7.5140	^ -----	.10990	2637.8	.02699
#2	k .14929	k .13388	29.976	1511.8	k -.01290	k 7.5093	^ -----	.10961	2646.0	.02813
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				500.00	22.500				500.00	
Low Limit				-2.0000	-.01000				10.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4193**	k **1.7725**	k **2910.1**	k **.43427**	k **.61334**	k **17.110**	F **919.85**	**.39107**	kF **-.14767**	k **.73028**
Stddev	.0134	.0015	5.5	.00163	.00143	.054	1.83	.00032	.00009	.00094
%RSD	.55329	.08305	.18735	.37529	.23242	.31486	.19919	.08173	.05952	.12918
#1	2.4098	k 1.7735	k 2914.0	k .43543	k .61434	k 17.072	921.15	.39084	k -.14773	k .73094
#2	2.4287	k 1.7714	k 2906.3	k .43312	k .61233	k 17.148	918.55	.39130	k -.14761	k .72961
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit							20.000		50.000	
Low Limit							-.10000		-.02000	

Elem	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm
Avg	k **1.5272**	kF **-7.1753**	^ *****	k **.95997**	k **.01946**
Stddev	.0113	.0478	-----	.00180	.00307
%RSD	.74098	.66623	-----	.18709	15.783
#1	k 1.5352	k -7.2091	^ -----	k .95870	k .01729
#2	k 1.5192	k -7.1415	^ -----	k .96124	k .02163
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		50.000			
Low Limit		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**3761.1**	**47792.**	**3950.0**
Stddev	2.8	114.	19.9
%RSD	.07452	.23820	.50484
#1	3759.1	47711.	3964.1
#2	3763.0	47872.	3935.9

Sample Name: CCVH-940568 Acquired: 8/26/2011 2:37:32 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02138**	**49.476**	**-.00570**	**.00716**	**-.00042**	**-.00018**	**1.0201**	**.02467**	**-.00116**	**.00206**	**.00001**	**-.00163**	**50.068**
Stddev	.00058	.002	.00407	.00024	.00036	.00001	.0004	.00500	.00001	.00035	.00007	.00013	.149
%RSD	2.6941	.00425	71.449	3.3239	84.623	8.3018	.04069	20.279	1.1867	16.814	773.33	7.8023	.29842
#1	-.02098	49.478	-.00282	.00699	-.00068	-.00017	1.0203	.02113	-.00117	.00231	-.00004	-.00172	50.173
#2	-.02179	49.475	-.00858	.00733	-.00017	-.00019	1.0198	.02821	-.00115	.00182	.00006	-.00154	49.962
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2595**	**.00597**	**-.10631**	**.01991**	**-.00167**	**268.91**	**.00120**	**.00287**	**.00047**	**5.2850**	**-.01033**	**.00781**	**.02660**
Stddev	.0177	.00112	.00256	.00197	.00041	.54	.00009	.00189	.00330	.0206	.00193	.00211	.01859
%RSD	1.4033	18.709	2.4037	9.9004	24.315	.20225	7.4431	65.937	706.08	.39033	18.643	27.060	69.868
#1	1.2720	.00676	-.10812	.02130	-.00196	268.52	.00126	.00153	.00280	5.2996	-.01169	.00631	.01346
#2	1.2470	.00518	-.10451	.01851	-.00138	269.29	.00113	.00421	-.00186	5.2704	-.00897	.00930	.03974
Check ?	None	None	None	None	None	Chk Pass	None	None	None	None	None	None	None
Value													
Range													

Elem	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23518**	**.00047**	**5.0320**	**.00253**	**.00369**	**10.546**	**-.00973**	**.00415**	**.01435**
Stddev	.01408	.00011	.0049	.00041	.00035	.045	.00066	.00018	.00373
%RSD	5.9849	22.153	.09822	16.212	9.4925	.42400	6.8239	4.3184	26.006
#1	.24513	.00040	5.0355	.00224	.00345	10.514	-.00926	.00427	.01172
#2	.22523	.00055	5.0285	.00282	.00394	10.577	-.01020	.00402	.01699
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3889.6**	**57441.**	**4221.6**
Stddev	12.1	11.	10.3
%RSD	.31019	.01968	.24453
#1	3898.2	57433.	4228.9
#2	3881.1	57449.	4214.3

Sample Name: CCV-940591 Acquired: 8/26/2011 2:40:04 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54263**	**.52624**	**1.0434**	**.52530**	**.53134**	**.50160**	**.00327**	**5.0172**	**.52718**	**.52253**	**.52095**	**.53333**
Stddev	.00021	.00673	.0036	.00154	.00046	.00058	.00629	.0056	.00043	.00013	.00078	.00065
%RSD	.03894	1.2792	.34838	.29406	.08641	.11638	192.25	.11103	.08110	.02404	.14906	.12178
#1	.54248	.52148	1.0408	.52421	.53102	.50119	.00772	5.0133	.52688	.52262	.52150	.53287
#2	.54278	.53100	1.0459	.52640	.53167	.50202	-.00118	5.0211	.52748	.52244	.52040	.53379
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4563**	**52.325**	**1.0355**	**21.224**	**.53253**	**.52143**	F **5.7401**	**.52172**	**1.0101**	**1.0551**	**.17791**	**1.0342**
Stddev	.0020	.014	.0033	.022	.00035	.00100	.0129	.00035	.0012	.0022	.00091	.0012
%RSD	.08113	.02605	.31727	.10560	.06574	.19166	.22508	.06751	.11343	.20683	.50991	.11826
#1	2.4577	52.335	1.0332	21.208	.53278	.52213	5.7492	.52197	1.0109	1.0567	.17727	1.0334
#2	2.4549	52.316	1.0378	21.240	.53228	.52072	5.7309	.52147	1.0093	1.0536	.17856	1.0351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0474**	**4.9110**	F **1.1720**	**.52939**	**-.00215**	**.51675**	**1.0607**	**.07879**	**.53409**	**.53137**	**.51360**
Stddev	.0028	.0185	.0066	.00028	.00107	.00036	.0032	.04473	.00024	.00077	.00045
%RSD	.26433	.37565	.55954	.05238	49.932	.07004	.29754	56.773	.04537	.14441	.08710
#1	1.0455	4.8980	1.1766	.52959	-.00139	.51650	1.0585	.04716	.53426	.53192	.51392
#2	1.0494	4.9241	1.1674	.52919	-.00291	.51701	1.0630	.11042	.53392	.53083	.51329
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value			1.0000								
Range			10.000%								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**3958.0**	**58969.**	**4227.1**
Stddev	5.1	69.	.8
%RSD	.12970	.11617	.01969
#1	3954.4	58921.	4226.5
#2	3961.6	59018.	4227.7

Sample Name: CCB Acquired: 8/26/2011 2:42:27 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00025**	**.00196**	F **.00345**	**-.00039**	**.00003**	**-.00188**	**.00032**	**.00006**	**-.00015**	**.00022**	**.00079**
Stddev	.00000	.00116	.00057	.00094	.00016	.00018	.00214	.00142	.00029	.00019	.00033	.00045
%RSD	.42796	469.11	29.061	27.261	42.027	528.89	113.95	443.68	458.93	126.83	151.07	57.504
#1	.00028	-.00057	.00236	.00411	-.00050	.00016	-.00037	.00132	-.00014	-.00029	-.00001	.00047
#2	.00028	.00107	.00155	.00278	-.00027	-.00010	-.00340	-.00068	.00027	-.00002	.00045	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00312								
Low Limit				-.00312								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00154**	F **.60600**	F **.00900**	**.00091**	F **.00200**	**.00280**	F **.35770**	**.00017**	**.00015**	**-.00057**	**.13304**	F **.00725**
Stddev	.00153	.01012	.00198	.00104	.00016	.00098	.02208	.00018	.00001	.00001	.00312	.00160
%RSD	99.347	1.6703	21.993	114.62	7.9543	35.080	6.1719	106.06	7.3695	1.1087	2.3483	21.995
#1	-.00262	.59884	.01040	.00017	.00211	.00210	.37331	.00004	.00014	-.00057	.13525	.00613
#2	-.00046	.61316	.00760	.00164	.00189	.00349	.34209	.00030	.00016	-.00058	.13083	.00838
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail
High Limit		.25000	.00522		.00051		.10000					.00628
Low Limit		-.25000	-.00522		-.00051		-.10000					-.00628

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00412**	**-.00471**	F **.08810**	**.00017**	**-.00417**	**.00025**	**.00116**	**.02110**	**.00002**	**.00209**	**.00213**
Stddev	.00441	.00765	.00442	.00011	.00116	.00001	.00185	.04780	.00001	.00022	.00075
%RSD	107.20	162.53	5.0117	65.466	27.848	2.4895	159.78	226.59	56.850	10.419	35.194
#1	.00100	-.01012	.09122	.00009	-.00335	.00025	-.00015	.05490	.00003	.00193	.00266
#2	.00724	.00070	.08497	.00024	-.00499	.00026	.00246	-.01271	.00001	.00224	.00160
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.01166								
Low Limit			-.01166								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4000.2**	**60164.**	**4207.9**
Stddev	1.1	97.	15.3
%RSD	.02703	.16106	.36372
#1	3999.4	60232.	4197.1
#2	4001.0	60095.	4218.7

Sample Name: CCVL942742 Acquired: 8/26/2011 2:45:04 Type: QC
Method: 6500_026(v7) Mode: CONC Corr. Factor: 1.000000
User: bowenh Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01119**	**.10865**	**.01421**	**.10761**	**.01066**	**.00101**	F **.13650**	**.20613**	**.00562**	**.01082**	**.01082**
Stddev	.00138	.00047	.00261	.00003	.00016	.00007	.00059	.00057	.00011	.00012	.00012
%RSD	12.327	.42835	18.400	.02656	1.5263	6.5439	.43192	.27502	1.9945	1.1419	1.1501
#1	.01216	.10898	.01606	.10759	.01077	.00097	.13692	.20654	.00554	.01091	.01091
#2	.01021	.10832	.01236	.10763	.01054	.00106	.13608	.20573	.00570	.01073	.01073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000				
Range							30.000%				

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01769**	**.09951**	W **3.6556**	F **.01440**	**.22674**	W **.01212**	**.02082**	F **1.4163**	**.04404**	**2.9587**	**.01011**
Stddev	.00009	.00134	.0297	.00099	.00166	.00006	.00005	.0170	.00023	.0030	.00108
%RSD	.48785	1.3486	.81209	6.8801	.73384	.47823	.25279	1.2042	.52864	.10039	10.735
#1	.01763	.10046	3.6346	.01510	.22556	.01208	.02085	1.4283	.04421	2.9608	.01087
#2	.01775	.09856	3.6766	.01370	.22791	.01216	.02078	1.4042	.04388	2.9566	.00934
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value			3.0000	.01000		.01000		1.0000			
Range			20.000%	30.000%		20.000%		30.000%			

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09739**	**.00820**	**.01629**	**.48445**	F **.15392**	**.01107**	**.01311**	**.01113**	F **.01961**	F **.11677**	**.01025**
Stddev	.00380	.00101	.00283	.00280	.00188	.00011	.00069	.00050	.00049	.00111	.00038
%RSD	3.8977	12.373	17.381	.57726	1.2217	.97742	5.2749	4.4494	2.5045	.95383	3.7040
#1	.10007	.00892	.01829	.48643	.15525	.01100	.01360	.01078	.01995	.11756	.00998
#2	.09470	.00748	.01428	.48247	.15259	.01115	.01262	.01148	.01926	.11599	.01052
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
Value					.10000				.01500	.06000	
Range					30.000%				30.000%	30.000%	

Elem	Zn2062	Zr3391
Units	ppm	ppm
Avg	**.02381**	F **.01996**
Stddev	.00007	.00255
%RSD	.27787	12.792
#1	.02386	.01815
#2	.02377	.02176
Check ?	Chk Pass	Chk Fail
Value		.01500
Range		30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**4050.1**	**60863.**	**4261.6**
Stddev	5.3	81.	4.6
%RSD	.13167	.13368	.10699
#1	4053.8	60806.	4264.8
#2	4046.3	60921.	4258.4

testAmerica
THE LEADER in ENVIRONMENTAL TESTING

ICP Data Review Checklist

TALS BATCH NUMBER: 83182 - 83187		Earliest due date: 8/26/11
Run Date: 8/25/11	Analyst: JKH	Instrument: 26
QC programs/Methods Run: 200.7 6010B 6010C		

Review Items	Yes	No	N/A	2nd Level
A. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < 1/2 RL or CRDL (CLP) or < 2.2x MDL 200.7 ?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP)?	✓			✓
6. Post digest spike analyzed if required (CLP, DOD & AFCEE only)? NCM Whether needed for DODV3, AFCEE 4.0, 6010c?	✓			✓
B. Calibration/Instrument Run QC				
1. ICV/CCV analyzed at appropriate frequency and within control limits ? (**6010B**: CLP = 90 - 110%; **200.7**: ICV = 95 - 105%, CCV 90-110%) If not in control, was the ICV or CCV reanalyzed twice to show return to control as per NELAP?	✓			✓
2. ICB/CCB analyzed at appropriate frequency and < RL or < CRDL (CLP) or < 2X MDL (DOD V3,AFCEE 4.0)? Was it less than the MDLV (6010C)	✓			✓
3. High Standard (HIGH) reanalyzed before samples and recovered within QC limits? (+-5%)	✓			✓
4. RL STD run and recovered within QC limits ? (± 50% for non-CLP, ± 20% for DoD V3 / AFCEE 4.0 / USACE)	✓			✓
5. Was the LLICV/LLCCV analyzed at appropriate frequency for 6010C and within control (+-30 % or +-20%)	✓			✓
6. ICSA/ICSAB run at required frequency and within SOP limits? (ICSA < 2X MDL AFCEE 4.0, DOD V3 or <RL std work or <MDLV 6010C))	✓			✓
C. Sample Results				
1. For 6010B, were samples with concentrations > the linear range for any parameter diluted and reanalyzed? For 200.7, were samples with concentrations within 90% of the linear range diluted and reanalyzed?	✓			✓
2. Are all reported results bracketed by in control QC?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Calculations checked for errors?	✓			✓
3. Transcriptions checked for errors? (Example: Are dilution factors that are entered into the sequence log correct?)	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date/time of analysis verified as correct?	✓			✓
6. PDF attached, verified uncorrupted?	✓			✓

Analyst: JKH Date: 8/26/11

Comments:

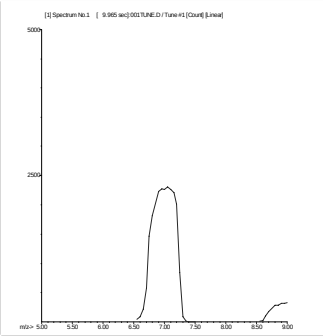
2nd Level Reviewer: [illegible] Date: 8/26/11

Comments:

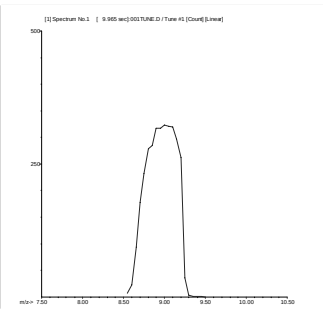
200.8 QC Tune Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\001TUNE.D
Date Acquired: Aug 25 2011 08:35 pm
Acq. Method: tun_isis.M
Operator: LRD
Sample Name: ITUNE-944136
Misc Info:
Vial Number: 4
Current Method: C:\ICPCHEM\1\METHODS\tun_isis.M

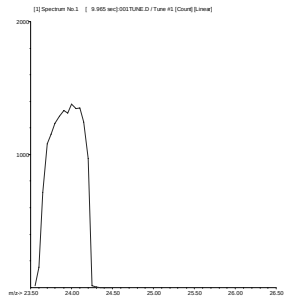
Element	CPS Mean	Rep1	Rep2	Rep3	Rep4	Rep5	**%RSD**	Required	Flag
7 Li	22737	23032	22963	22323	22679	22689	**1.23**	5.00	
9 Be	3288	3223	3247	3360	3284	3326	**1.70**	5.00	
24 Mg	14582	14802	14562	14340	14716	14491	**1.25**	5.00	
59 Co	57604	57538	57276	58120	57529	57556	**0.54**	5.00	
115 In	812262	804397	810444	810150	818618	817700	**0.73**	5.00	
208 Pb	63178	64621	62756	63346	62872	62294	**1.41**	5.00	
238 U	121764	120762	122888	123321	119078	122772	**1.48**	5.00	



7 Li
Mass Calib.
Actual: 7.00
Required: 6.90 - 7.10
Flag:
Peak Width
Actual: 0.55
Required: 0.90
Flag:



9 Be
Mass Calib.
Actual: 9.00
Required: 8.90 - 9.10
Flag:
Peak Width
Actual: 0.55
Required: 0.90
Flag:



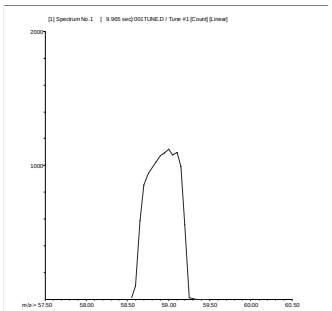
24 Mg

Mass Calib.

Actual: 24.00
Required: 23.90 - 24.10
Flag:

Peak Width

Actual: 0.60
Required: 0.90
Flag:



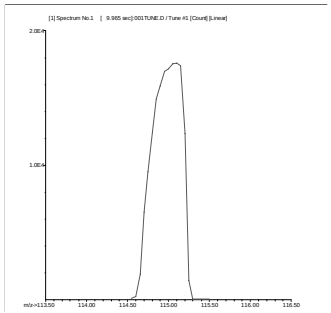
59 Co

Mass Calib.

Actual: 59.00
Required: 58.90 - 59.10
Flag:

Peak Width

Actual: 0.55
Required: 0.90
Flag:



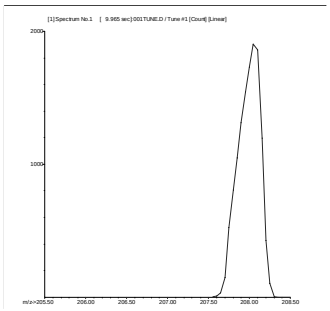
115 In

Mass Calib.

Actual: 115.05
Required: 114.90 - 115.10
Flag:

Peak Width

Actual: 0.55
Required: 0.90
Flag:



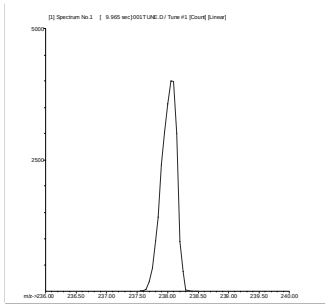
208 Pb

Mass Calib.

Actual: 208.00
Required: 207.90 - 208.10
Flag:

Peak Width

Actual: 0.45
Required: 0.90
Flag:



238 U

Mass Calib.

Actual: 238.05
Required: 237.90 - 238.10
Flag:

Peak Width

Actual: 0.45
Required: 0.90
Flag:

Tune Result: Pass

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#
Date Acquired: Aug 25 2011 08:41 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: IC-944134
Misc Info:
Vial Number: 1103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:39 pm
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD(%)
9	Be	6	1	0	0.00
51	V	72	1	99	139.22
52	Cr	72	1	1437	2.24
55	Mn	72	1	447	3.42
59	Co	72	1	43	35.25
60	Ni	72	1	53	43.30
63	Cu	72	1	360	24.06
66	Zn	72	1	167	4.53
75	As	72	1	35	31.18
78	Se	72	1	43	35.25
95	Mo	72	1	167	15.10
107	Ag	115	1	3	173.21
111	Cd	115	1	4	35.77
118	Sn	115	1	60	33.33
121	Sb	115	1	10	33.33
137	Ba	115	1	14	13.32
205	Tl	165	1	102	8.21
208	Pb	165	1	273	6.34
232	Th	165	1	97	11.95
238	U	165	1	82	6.19

Internal Standard Elements

Element		Tune	CPS Mean	RSD(%)
6	Li	1	439510	0.39
45	Sc	1	933106	0.49
72	Ge	1	470474	0.41
115	In	1	1645880	1.66
165	Ho	1	3654515	0.73

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\004ICAL.D\004ICAL.D#
Date Acquired: Aug 25 2011 08:44 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: IC-944105
Misc Info:
Vial Number: 1303
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:41 pm
Sample Type: ICAL

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD(%)
9	Be	6	1	60048	0.94
51	V	72	1	693808	1.15
52	Cr	72	1	758748	2.26
55	Mn	72	1	672190	0.72
59	Co	72	1	1035014	0.78
60	Ni	72	1	236475	0.93
63	Cu	72	1	564250	0.29
66	Zn	72	1	110864	0.27
75	As	72	1	71138	0.47
78	Se	72	1	11649	1.54
95	Mo	72	1	260700	0.66
107	Ag	115	1	881143	1.86
111	Cd	115	1	161681	0.68
118	Sn	115	1	415397	0.10
121	Sb	115	1	465278	0.18
137	Ba	115	1	193557	0.90
205	Tl	165	1	2124390	0.67
208	Pb	165	1	3000836	0.43
232	Th	165	1	2780161	0.41
238	U	165	1	3101816	1.51

ISTD Elements

Element		Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6	Li	1	428844	0.38	439510	97.6	30 - 120	
45	Sc	1	921376	1.08	933106	98.7	30 - 120	
72	Ge	1	455563	0.79	470474	96.8	30 - 120	
115	In	1	1610563	1.93	1645880	97.9	30 - 120	
165	Ho	1	3685653	0.44	3654515	100.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures 0
0 :ISTD Failures 0

Initial Calibration Verification (ICV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\005_ICV.D\005_ICV.D#
Date Acquired: Aug 25 2011 08:46 pm
Operator: LRD
Sample Name: ICV-944106
Misc Info:
Vial Number: 2103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: ICV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	39.94	ppb	2.57	40	99.9	90 - 110	
51 V	72	1	40.38	ppb	1.65	40	101.0	90 - 110	
52 Cr	72	1	39.91	ppb	0.70	40	99.8	90 - 110	
55 Mn	72	1	41.13	ppb	1.44	40	102.8	90 - 110	
59 Co	72	1	38.69	ppb	1.34	40	96.7	90 - 110	
60 Ni	72	1	40.65	ppb	2.63	40	101.6	90 - 110	
63 Cu	72	1	40.37	ppb	0.92	40	100.9	90 - 110	
66 Zn	72	1	39.80	ppb	0.88	40	99.5	90 - 110	
75 As	72	1	40.79	ppb	1.05	40	102.0	90 - 110	
78 Se	72	1	41.78	ppb	3.27	40	104.5	90 - 110	
95 Mo	72	1	40.20	ppb	1.27	40	100.5	90 - 110	
107 Ag	115	1	39.37	ppb	1.44	40	98.4	90 - 110	
111 Cd	115	1	40.26	ppb	1.48	40	100.7	90 - 110	
118 Sn	115	1	40.35	ppb	0.90	40	100.9	90 - 110	
121 Sb	115	1	39.82	ppb	0.89	40	99.6	90 - 110	
137 Ba	115	1	39.88	ppb	2.53	40	99.7	90 - 110	
205 Tl	165	1	39.87	ppb	0.78	40	99.7	90 - 110	
208 Pb	165	1	40.51	ppb	0.19	40	101.3	90 - 110	
232 Th	165	1	41.42	ppb	0.70	40	103.6	90 - 110	
238 U	165	1	39.46	ppb	0.61	40	98.7	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	433772	1.10	439510	98.7	30 - 120	
45 Sc	1	916227	0.65	933106	98.2	30 - 120	
72 Ge	1	458672	0.70	470474	97.5	30 - 120	
115 In	1	1618415	1.46	1645880	98.3	30 - 120	
165 Ho	1	3691192	0.34	3654515	101.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\006WASH.D\006WASH.D#
Date Acquired: Aug 25 2011 08:49 pm
Operator: LRD
Sample Name: LLICV-
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.128 ppb	9.74	1.30	
51 V	72	1	4.927 ppb	1.68	6.50	
52 Cr	72	1	2.186 ppb	3.14	2.60	
55 Mn	72	1	1.089 ppb	3.43	1.30	
59 Co	72	1	0.982 ppb	4.04	1.30	
60 Ni	72	1	2.224 ppb	4.25	2.60	
63 Cu	72	1	2.117 ppb	1.65	2.60	
66 Zn	72	1	10.340 ppb	1.45	13.00	
75 As	72	1	5.029 ppb	3.23	6.50	
78 Se	72	1	5.444 ppb	14.19	6.50	
95 Mo	72	1	2.029 ppb	4.67	2.60	
107 Ag	115	1	4.952 ppb	0.89	6.50	
111 Cd	115	1	0.964 ppb	4.55	1.30	
118 Sn	115	1	10.280 ppb	2.44	13.00	
121 Sb	115	1	2.133 ppb	2.33	2.60	
137 Ba	115	1	1.051 ppb	2.84	1.30	
205 Tl	165	1	1.126 ppb	2.59	1.30	
208 Pb	165	1	1.068 ppb	2.31	1.30	
232 Th	165	1	2.197 ppb	1.51	2.60	
238 U	165	1	1.082 ppb	1.73	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	434819	0.90	439510	98.9	30 - 120	
45 Sc	1	937550	1.12	933106	100.5	30 - 120	
72 Ge	1	466766	0.73	470474	99.2	30 - 120	
115 In	1	1635687	1.52	1645880	99.4	30 - 120	
165 Ho	1	3704869	1.30	3654515	101.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Initial Calibration Blank (ICB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\007_ICB.D\007_ICB.D#
Date Acquired: Aug 25 2011 08:52 pm
Operator: LRD
Sample Name: ICB-944134
Misc Info:
Vial Number: 2104
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: ICB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.00	ppb	0.00	1.00	
51 V	72	1	-0.01	ppb	734.19	1.00	
52 Cr	72	1	0.00	ppb	1945.10	1.00	
55 Mn	72	1	0.27	ppb	3.64	1.00	
59 Co	72	1	0.00	ppb	474.12	1.00	
60 Ni	72	1	0.17	ppb	12.54	1.00	
63 Cu	72	1	0.85	ppb	7.22	1.00	
66 Zn	72	1	0.91	ppb	4.13	1.00	
75 As	72	1	0.00	ppb	1515.20	1.00	
78 Se	72	1	0.00	ppb	5473.60	1.00	
95 Mo	72	1	-0.01	ppb	247.27	1.00	
107 Ag	115	1	0.01	ppb	18.80	1.00	
111 Cd	115	1	0.00	ppb	118.87	1.00	
118 Sn	115	1	0.09	ppb	12.03	1.00	
121 Sb	115	1	0.03	ppb	5.72	1.00	
137 Ba	115	1	0.02	ppb	36.16	1.00	
205 Tl	165	1	0.02	ppb	2.71	1.00	
208 Pb	165	1	0.06	ppb	3.88	1.00	
232 Th	165	1	0.01	ppb	21.42	1.00	
238 U	165	1	0.00	ppb	15.97	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	432055	0.81	439510	98.3	30 - 120	
45 Sc	1	934644	1.31	933106	100.2	30 - 120	
72 Ge	1	473926	0.30	470474	100.7	30 - 120	
115 In	1	1643683	1.21	1645880	99.9	30 - 120	
165 Ho	1	3659948	1.29	3654515	100.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

RL STD QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\008RLST.D\008RLST.D#
Date Acquired: Aug 25 2011 08:55 pm
Operator: LRD
Sample Name: CRI-944107
Misc Info:
Vial Number: 2105
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: RLSTD
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	1.05	ppb	8.98	1	104.7	80 - 120	
51 V	72	1	0.94	ppb	4.67	1	93.9	80 - 120	
52 Cr	72	1	0.95	ppb	1.66	1	95.1	80 - 120	
55 Mn	72	1	1.00	ppb	3.34	1	99.9	80 - 120	
59 Co	72	1	0.95	ppb	0.90	1	95.1	80 - 120	
60 Ni	72	1	1.09	ppb	11.24	1	108.6	80 - 120	
63 Cu	72	1	1.00	ppb	0.47	1	100.3	80 - 120	
66 Zn	72	1	10.44	ppb	2.93	10	104.4	80 - 120	
75 As	72	1	0.97	ppb	5.31	1	96.8	80 - 120	
78 Se	72	1	0.99	ppb	9.22	1	99.0	80 - 120	
95 Mo	72	1	1.03	ppb	6.34	1	103.0	80 - 120	
107 Ag	115	1	0.96	ppb	8.31	1	95.7	80 - 120	
111 Cd	115	1	0.98	ppb	7.73	1	97.7	80 - 120	
118 Sn	115	1	10.38	ppb	1.98	10	103.8	80 - 120	
121 Sb	115	1	1.02	ppb	1.05	1	101.6	80 - 120	
137 Ba	115	1	0.98	ppb	3.92	1	98.0	80 - 120	
205 Tl	165	1	1.02	ppb	0.75	1	102.0	80 - 120	
208 Pb	165	1	1.02	ppb	0.94	1	102.1	80 - 120	
232 Th	165	1	1.04	ppb	2.16	1	104.1	80 - 120	
238 U	165	1	1.06	ppb	1.52	1	105.8	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	434383	0.34	439510	98.8	30 - 120	
45 Sc	1	953937	0.28	933106	102.2	30 - 120	
72 Ge	1	474223	0.38	470474	100.8	30 - 120	
115 In	1	1652372	1.58	1645880	100.4	30 - 120	
165 Ho	1	3685441	0.39	3654515	100.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

AFCEE RL QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\009AFCE.D\009AFCE.D#
Date Acquired: Aug 25 2011 08:58 pm
Operator: LRD
Sample Name: AFCEE RL-944108
Misc Info:
Vial Number: 2106
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: AFCEERL
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	0.18	ppb	54.89	0	84.7	80 - 120	
51 V	72	1	0.20	ppb	19.07	0	107.1	80 - 120	
52 Cr	72	1	0.22	ppb	15.01	0	117.3	80 - 120	
55 Mn	72	1	0.20	ppb	7.28	0	101.3	80 - 120	
59 Co	72	1	0.19	ppb	7.59	0	100.0	80 - 120	
60 Ni	72	1	0.22	ppb	17.20	0	102.2	80 - 120	
63 Cu	72	1	0.20	ppb	6.31	0	101.4	80 - 120	
66 Zn	72	1	2.02	ppb	2.47	2	96.9	80 - 120	
75 As	72	1	0.20	ppb	2.76	0	101.4	80 - 120	
78 Se	72	1	0.22	ppb	102.37	0	108.6	80 - 120	
95 Mo	72	1	0.20	ppb	10.74	0	95.1	80 - 120	
107 Ag	115	1	0.18	ppb	3.68	0	91.7	80 - 120	
111 Cd	115	1	0.18	ppb	13.69	0	93.2	80 - 120	
118 Sn	115	1	2.14	ppb	1.95	2	103.1	80 - 120	
121 Sb	115	1	0.21	ppb	8.59	0	102.3	80 - 120	
137 Ba	115	1	0.22	ppb	6.02	0	110.0	80 - 120	
205 Tl	165	1	0.21	ppb	2.78	0	104.2	80 - 120	
208 Pb	165	1	0.20	ppb	0.75	0	98.9	80 - 120	
232 Th	165	1	0.21	ppb	4.33	0	102.9	80 - 120	
238 U	165	1	0.21	ppb	2.34	0	97.0	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	442258	0.72	439510	100.6	30 - 120	
45 Sc	1	949694	2.52	933106	101.8	30 - 120	
72 Ge	1	477040	0.36	470474	101.4	30 - 120	
115 In	1	1655140	0.18	1645880	100.6	30 - 120	
165 Ho	1	3725264	1.27	3654515	101.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Interference Check Solution A (ICS-A) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\010ICSA.D\010ICSA.D#
Date Acquired: Aug 25 2011 09:01 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: ICSA-944111
Misc Info:
Vial Number: 2108
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: ICSA
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element		IS Ref	Tune	Conc.	RSD(%)	High Limit ppb	Flag
9	Be	6	1	0.00 ppb	0.00	1.00	
51	V	72	1	0.10 ppb	171.77	1.00	
52	Cr	72	1	1.21 ppb	6.60	1.00	
55	Mn	72	1	0.37 ppb	17.10	1.00	
59	Co	72	1	0.07 ppb	7.10	1.00	
60	Ni	72	1	0.83 ppb	5.57	1.00	
63	Cu	72	1	0.53 ppb	6.90	1.00	
66	Zn	72	1	2.89 ppb	4.40	10.00	
75	As	72	1	0.70 ppb	3.26	1.00	
78	Se	72	1	0.36 ppb	49.82	1.00	
95	Mo	72	1	2024.00 ppb	0.81	2000.00	
107	Ag	115	1	0.06 ppb	14.87	1.00	
111	Cd	115	1	0.78 ppb	22.48	1.00	
118	Sn	115	1	0.18 ppb	4.29	10.00	
121	Sb	115	1	0.31 ppb	1.33	1.00	
137	Ba	115	1	0.18 ppb	19.85	1.00	
205	Tl	165	1	0.06 ppb	20.69	1.00	
208	Pb	165	1	0.15 ppb	4.22	1.00	
232	Th	165	1	0.03 ppb	14.49	1.00	
238	U	165	1	0.00 ppb	32.34	1.00	

ISTD Elements

Element		Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6	Li	1	418683	1.37	439510	95.3	30 - 120	
45	Sc	1	793216	0.09	933106	85.0	30 - 120	
72	Ge	1	381165	0.55	470474	81.0	30 - 120	
115	In	1	1286331	1.21	1645880	78.2	30 - 120	
165	Ho	1	3116221	0.65	3654515	85.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Nnumber of ISTD Failures Allowed

Interference Check Solution AB (ICS-AB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\011ICSB.D\011ICSB.D#
Date Acquired: Aug 25 2011 09:04 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: ICSAB-944124
Misc Info:
Vial Number: 2109
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: ICSAB
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	%Recovery	QC Range(%)	Flag
9 Be	6	1	96.88	0.62	100	96.9	80 - 120	
51 V	72	1	105.30	0.42	100	105.3	80 - 120	
52 Cr	72	1	102.00	1.18	100	102.0	80 - 120	
55 Mn	72	1	101.70	0.77	100	101.7	80 - 120	
59 Co	72	1	92.65	0.47	100	92.7	80 - 120	
60 Ni	72	1	91.94	0.71	100	91.9	80 - 120	
63 Cu	72	1	89.12	0.42	100	89.1	80 - 120	
66 Zn	72	1	97.45	0.11	100	97.5	80 - 120	
75 As	72	1	99.42	0.32	100	99.4	80 - 120	
78 Se	72	1	104.40	1.92	100	104.4	80 - 120	
95 Mo	72	1	2197.00	2.42	2100	104.6	80 - 120	
107 Ag	115	1	84.89	2.01	100	84.9	80 - 120	
111 Cd	115	1	94.05	0.54	100	94.1	80 - 120	
118 Sn	115	1	101.30	0.63	100	101.3	80 - 120	
121 Sb	115	1	101.80	0.15	100	101.8	80 - 120	
137 Ba	115	1	103.20	0.15	100	103.2	80 - 120	
205 Tl	165	1	97.25	0.38	100	97.3	80 - 120	
208 Pb	165	1	96.49	0.41	100	96.5	80 - 120	
232 Th	165	1	108.70	2.33	100	108.7	80 - 120	
238 U	165	1	108.50	1.39	100	108.5	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	433078	0.66	439510	98.5	30 - 120	
45 Sc	1	785508	0.26	933106	84.2	30 - 120	
72 Ge	1	367680	0.83	470474	78.2	30 - 120	
115 In	1	1299950	0.48	1645880	79.0	30 - 120	
165 Ho	1	3111427	0.78	3654515	85.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\012WASH.D\012WASH.D#
Date Acquired: Aug 25 2011 09:07 pm
Operator: LRD
Sample Name: RINSE
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.010 ppb	173.16	1.30	
51 V	72	1	0.037 ppb	72.68	6.50	
52 Cr	72	1	0.013 ppb	133.11	2.60	
55 Mn	72	1	0.006 ppb	188.65	1.30	
59 Co	72	1	0.010 ppb	15.10	1.30	
60 Ni	72	1	0.002 ppb	306.82	2.60	
63 Cu	72	1	0.014 ppb	42.74	2.60	
66 Zn	72	1	0.003 ppb	515.59	13.00	
75 As	72	1	0.024 ppb	144.78	6.50	
78 Se	72	1	0.115 ppb	42.32	6.50	
95 Mo	72	1	0.380 ppb	11.16	2.60	
107 Ag	115	1	0.016 ppb	7.70	6.50	
111 Cd	115	1	0.015 ppb	64.69	1.30	
118 Sn	115	1	0.026 ppb	73.18	13.00	
121 Sb	115	1	0.011 ppb	17.90	2.60	
137 Ba	115	1	0.011 ppb	41.46	1.30	
205 Tl	165	1	0.012 ppb	10.46	1.30	
208 Pb	165	1	0.008 ppb	10.21	1.30	
232 Th	165	1	0.020 ppb	14.32	2.60	
238 U	165	1	0.016 ppb	13.37	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	471168	1.68	439510	107.2	30 - 120	
45 Sc	1	931502	1.03	933106	99.8	30 - 120	
72 Ge	1	466944	0.67	470474	99.2	30 - 120	
115 In	1	1653694	1.11	1645880	100.5	30 - 120	
165 Ho	1	3807167	1.39	3654515	104.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Linear Dynamic Range Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\013_LR.D\013_LR.D#
Date Acquired: Aug 25 2011 09:10 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: LRA-944125
Misc Info:
Vial Number: 2110
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: LR
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc.	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	973.60 ppb	1.86	1000	97.4	90 - 110	
51 V	72	1	951.10 ppb	1.32	1000	95.1	90 - 110	
52 Cr	72	1	979.40 ppb	2.09	1000	97.9	90 - 110	
55 Mn	72	1	1012.00 ppb	1.55	1000	101.2	90 - 110	
59 Co	72	1	952.90 ppb	1.30	1000	95.3	90 - 110	
60 Ni	72	1	979.60 ppb	0.86	1000	98.0	90 - 110	
63 Cu	72	1	933.70 ppb	2.03	1000	93.4	90 - 110	
66 Zn	72	1	988.20 ppb	0.96	1000	98.8	90 - 110	
75 As	72	1	977.90 ppb	1.24	1000	97.8	90 - 110	
78 Se	72	1	989.90 ppb	1.89	1000	99.0	90 - 110	
95 Mo	72	1	1035.00 ppb	2.65	1000	103.5	90 - 110	
107 Ag	115	1	955.40 ppb	0.88	1000	95.5	90 - 110	
111 Cd	115	1	1016.00 ppb	0.37	1000	101.6	90 - 110	
118 Sn	115	1	1014.00 ppb	0.67	1000	101.4	90 - 110	
121 Sb	115	1	987.80 ppb	0.97	1000	98.8	90 - 110	
137 Ba	115	1	1042.00 ppb	1.22	1000	104.2	90 - 110	
205 Tl	165	1	982.60 ppb	1.58	1000	98.3	90 - 110	
208 Pb	165	1	983.60 ppb	0.32	1000	98.4	90 - 110	
232 Th	165	1	1046.00 ppb	1.85	1000	104.6	90 - 110	
238 U	165	1	1017.00 ppb	1.52	1000	101.7	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	430775	1.49	439510	98.0	30 - 120	
45 Sc	1	900574	2.06	933106	96.5	30 - 120	
72 Ge	1	442679	1.61	470474	94.1	30 - 120	
115 In	1	1582708	0.88	1645880	96.2	30 - 120	
165 Ho	1	3731627	0.18	3654515	102.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\014WASH.D\014WASH.D#
Date Acquired: Aug 25 2011 09:13 pm
Operator: LRD
Sample Name: RINSE
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.072 ppb	35.00	1.30	
51 V	72	1	0.087 ppb	39.01	6.50	
52 Cr	72	1	0.090 ppb	21.01	2.60	
55 Mn	72	1	0.107 ppb	15.61	1.30	
59 Co	72	1	0.077 ppb	21.39	1.30	
60 Ni	72	1	0.099 ppb	34.23	2.60	
63 Cu	72	1	0.074 ppb	65.05	2.60	
66 Zn	72	1	0.127 ppb	37.71	13.00	
75 As	72	1	0.107 ppb	21.67	6.50	
78 Se	72	1	0.131 ppb	79.16	6.50	
95 Mo	72	1	0.252 ppb	32.72	2.60	
107 Ag	115	1	0.114 ppb	15.48	6.50	
111 Cd	115	1	0.119 ppb	30.52	1.30	
118 Sn	115	1	0.241 ppb	7.29	13.00	
121 Sb	115	1	0.141 ppb	6.03	2.60	
137 Ba	115	1	0.087 ppb	20.86	1.30	
205 Tl	165	1	0.146 ppb	11.54	1.30	
208 Pb	165	1	0.095 ppb	16.09	1.30	
232 Th	165	1	0.155 ppb	13.99	2.60	
238 U	165	1	0.140 ppb	10.50	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	428145	0.34	439510	97.4	30 - 120	
45 Sc	1	901237	0.77	933106	96.6	30 - 120	
72 Ge	1	452457	0.59	470474	96.2	30 - 120	
115 In	1	1616259	1.51	1645880	98.2	30 - 120	
165 Ho	1	3636844	0.95	3654515	99.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\015_CCV.D\015_CCV.D#
Date Acquired: Aug 25 2011 09:15 pm
Operator: LRD
Sample Name: CCV-944128
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	48.40	ppb	1.24	50	96.8	90 - 110	
51 V	72	1	49.62	ppb	0.86	50	99.2	90 - 110	
52 Cr	72	1	49.33	ppb	0.71	50	98.7	90 - 110	
55 Mn	72	1	50.31	ppb	0.61	50	100.6	90 - 110	
59 Co	72	1	47.55	ppb	1.06	50	95.1	90 - 110	
60 Ni	72	1	48.91	ppb	0.70	50	97.8	90 - 110	
63 Cu	72	1	48.98	ppb	0.38	50	98.0	90 - 110	
66 Zn	72	1	49.24	ppb	0.87	50	98.5	90 - 110	
75 As	72	1	49.16	ppb	1.15	50	98.3	90 - 110	
78 Se	72	1	48.13	ppb	10.66	50	96.3	90 - 110	
95 Mo	72	1	50.01	ppb	1.09	50	100.0	90 - 110	
107 Ag	115	1	47.91	ppb	2.24	50	95.8	90 - 110	
111 Cd	115	1	49.41	ppb	2.06	50	98.8	90 - 110	
118 Sn	115	1	50.02	ppb	1.96	50	100.0	90 - 110	
121 Sb	115	1	49.25	ppb	1.92	50	98.5	90 - 110	
137 Ba	115	1	50.03	ppb	1.83	50	100.1	90 - 110	
205 Tl	165	1	50.60	ppb	0.78	50	101.2	90 - 110	
208 Pb	165	1	50.66	ppb	0.44	50	101.3	90 - 110	
232 Th	165	1	53.75	ppb	0.56	50	107.5	90 - 110	
238 U	165	1	53.04	ppb	2.91	50	106.1	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	425994	0.53	439510	96.9	30 - 120	
45 Sc	1	917606	0.63	933106	98.3	30 - 120	
72 Ge	1	451700	0.02	470474	96.0	30 - 120	
115 In	1	1607486	2.00	1645880	97.7	30 - 120	
165 Ho	1	3705524	0.42	3654515	101.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\016_CCB.D\016_CCB.D#
Date Acquired: Aug 25 2011 09:18 pm
Operator: LRD
Sample Name: CCB-944134
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.016	ppb	100.30	1.00	
51 V	72	1	0.018	ppb	127.50	1.00	
52 Cr	72	1	0.019	ppb	103.71	1.00	
55 Mn	72	1	0.014	ppb	50.07	1.00	
59 Co	72	1	0.012	ppb	8.38	1.00	
60 Ni	72	1	0.010	ppb	62.16	1.00	
63 Cu	72	1	0.027	ppb	56.63	1.00	
66 Zn	72	1	0.047	ppb	27.88	1.00	
75 As	72	1	0.022	ppb	6.48	1.00	
78 Se	72	1	0.232	ppb	72.53	1.00	
95 Mo	72	1	0.039	ppb	41.16	1.00	
107 Ag	115	1	0.027	ppb	21.73	1.00	
111 Cd	115	1	0.018	ppb	41.45	1.00	
118 Sn	115	1	0.073	ppb	22.94	1.00	
121 Sb	115	1	0.022	ppb	26.29	1.00	
137 Ba	115	1	0.020	ppb	39.32	1.00	
205 Tl	165	1	0.035	ppb	7.60	1.00	
208 Pb	165	1	0.023	ppb	10.84	1.00	
232 Th	165	1	0.041	ppb	1.58	1.00	
238 U	165	1	0.024	ppb	5.06	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	434135	0.41	439510	98.8	30 - 120	
45 Sc	1	920346	0.30	933106	98.6	30 - 120	
72 Ge	1	463061	0.42	470474	98.4	30 - 120	
115 In	1	1629114	0.60	1645880	99.0	30 - 120	
165 Ho	1	3700506	0.97	3654515	101.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\017WASH.D\017WASH.D#
Date Acquired: Aug 25 2011 09:21 pm
Operator: LRD
Sample Name: LLICV-944135
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.068 ppb	9.04	1.30	
51 V	72	1	4.969 ppb	4.38	6.50	
52 Cr	72	1	2.202 ppb	3.79	2.60	
55 Mn	72	1	1.056 ppb	2.07	1.30	
59 Co	72	1	0.984 ppb	3.38	1.30	
60 Ni	72	1	2.115 ppb	6.60	2.60	
63 Cu	72	1	2.052 ppb	5.43	2.60	
66 Zn	72	1	10.150 ppb	2.52	13.00	
75 As	72	1	4.910 ppb	3.63	6.50	
78 Se	72	1	5.278 ppb	20.41	6.50	
95 Mo	72	1	2.113 ppb	9.05	2.60	
107 Ag	115	1	4.861 ppb	2.34	6.50	
111 Cd	115	1	1.094 ppb	1.74	1.30	
118 Sn	115	1	10.110 ppb	0.38	13.00	
121 Sb	115	1	2.043 ppb	2.56	2.60	
137 Ba	115	1	1.063 ppb	1.95	1.30	
205 Tl	165	1	1.123 ppb	2.39	1.30	
208 Pb	165	1	1.091 ppb	1.00	1.30	
232 Th	165	1	2.306 ppb	2.16	2.60	
238 U	165	1	1.126 ppb	1.52	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	434576	0.66	439510	98.9	30 - 120	
45 Sc	1	938241	1.26	933106	100.6	30 - 120	
72 Ge	1	466563	0.51	470474	99.2	30 - 120	
115 In	1	1640407	0.33	1645880	99.7	30 - 120	
165 Ho	1	3730644	1.14	3654515	102.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\018SMPL.D\018SMPL.D#
Date Acquired: Aug 25 2011 09:24 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: MDLVB
Misc Info: MDLV SOIL
Vial Number: 2201
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	100.18	3600	
51 V	72	1	0.01	0.01	ppb	174.26	3600	
52 Cr	72	1	0.13	0.13	ppb	29.83	3600	
55 Mn	72	1	0.13	0.13	ppb	12.46	18000	
59 Co	72	1	0.01	0.01	ppb	45.09	3600	
60 Ni	72	1	0.10	0.10	ppb	23.96	3600	
63 Cu	72	1	0.25	0.25	ppb	8.68	3600	
66 Zn	72	1	0.47	0.47	ppb	3.05	3600	
75 As	72	1	-0.01	-0.01	ppb	95.56	3600	
78 Se	72	1	0.08	0.08	ppb	155.67	3600	
95 Mo	72	1	0.06	0.06	ppb	64.17	3600	
107 Ag	115	1	0.02	0.02	ppb	58.95	3600	
111 Cd	115	1	0.02	0.02	ppb	29.19	3600	
118 Sn	115	1	0.11	0.11	ppb	16.25	3600	
121 Sb	115	1	0.02	0.02	ppb	27.86	3600	
137 Ba	115	1	0.21	0.21	ppb	10.12	3600	
205 Tl	165	1	0.03	0.03	ppb	2.55	3600	
208 Pb	165	1	0.05	0.05	ppb	5.78	3600	
232 Th	165	1	0.03	0.03	ppb	3.92	1000	
238 U	165	1	0.02	0.02	ppb	5.60	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	439980	0.34	439510	100.1	30 - 120	
45 Sc	1	948556	0.44	933106	101.7	30 - 120	
72 Ge	1	473547	0.35	470474	100.7	30 - 120	
115 In	1	1648235	0.92	1645880	100.1	30 - 120	
165 Ho	1	3744944	0.23	3654515	102.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\019SMPL.D\019SMPL.D#
Date Acquired: Aug 25 2011 09:27 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: MDLV1
Misc Info:
Vial Number: 2202
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.11	0.11	ppb	24.10	3600	
51 V	72	1	0.23	0.23	ppb	12.65	3600	
52 Cr	72	1	0.61	0.61	ppb	2.05	3600	
55 Mn	72	1	0.34	0.34	ppb	10.29	18000	
59 Co	72	1	0.06	0.06	ppb	6.79	3600	
60 Ni	72	1	0.27	0.27	ppb	7.31	3600	
63 Cu	72	1	0.68	0.68	ppb	4.64	3600	
66 Zn	72	1	2.49	2.49	ppb	3.66	3600	
75 As	72	1	0.32	0.32	ppb	13.63	3600	
78 Se	72	1	0.74	0.74	ppb	16.89	3600	
95 Mo	72	1	0.14	0.14	ppb	10.51	3600	
107 Ag	115	1	0.19	0.19	ppb	2.24	3600	
111 Cd	115	1	0.09	0.09	ppb	11.13	3600	
118 Sn	115	1	0.55	0.55	ppb	2.80	3600	
121 Sb	115	1	0.12	0.12	ppb	4.60	3600	
137 Ba	115	1	0.65	0.65	ppb	7.23	3600	
205 Tl	165	1	0.04	0.04	ppb	3.76	3600	
208 Pb	165	1	0.18	0.18	ppb	1.51	3600	
232 Th	165	1	0.23	0.23	ppb	1.46	1000	
238 U	165	1	0.03	0.03	ppb	8.34	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	436701	0.83	439510	99.4	30 - 120	
45 Sc	1	950807	0.77	933106	101.9	30 - 120	
72 Ge	1	474713	0.89	470474	100.9	30 - 120	
115 In	1	1655016	0.64	1645880	100.6	30 - 120	
165 Ho	1	3770317	0.88	3654515	103.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\020SMPL.D\020SMPL.D#
Date Acquired: Aug 25 2011 09:30 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: MDLV2
Misc Info:
Vial Number: 2203
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.11	0.11	ppb	28.08	3600	
51 V	72	1	0.27	0.27	ppb	10.23	3600	
52 Cr	72	1	0.57	0.57	ppb	11.69	3600	
55 Mn	72	1	0.26	0.26	ppb	6.37	18000	
59 Co	72	1	0.05	0.05	ppb	8.03	3600	
60 Ni	72	1	0.17	0.17	ppb	18.23	3600	
63 Cu	72	1	0.61	0.61	ppb	5.76	3600	
66 Zn	72	1	2.32	2.32	ppb	1.32	3600	
75 As	72	1	0.30	0.30	ppb	3.88	3600	
78 Se	72	1	0.30	0.30	ppb	145.23	3600	
95 Mo	72	1	0.15	0.15	ppb	16.24	3600	
107 Ag	115	1	0.17	0.17	ppb	30.27	3600	
111 Cd	115	1	0.07	0.07	ppb	22.63	3600	
118 Sn	115	1	0.44	0.44	ppb	11.90	3600	
121 Sb	115	1	0.09	0.09	ppb	7.02	3600	
137 Ba	115	1	0.54	0.54	ppb	9.23	3600	
205 Tl	165	1	0.04	0.04	ppb	3.97	3600	
208 Pb	165	1	0.17	0.17	ppb	0.38	3600	
232 Th	165	1	0.20	0.20	ppb	1.32	1000	
238 U	165	1	0.02	0.02	ppb	8.54	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	438281	1.07	439510	99.7	30 - 120	
45 Sc	1	952561	1.60	933106	102.1	30 - 120	
72 Ge	1	472856	0.16	470474	100.5	30 - 120	
115 In	1	1636060	0.59	1645880	99.4	30 - 120	
165 Ho	1	3778148	0.61	3654515	103.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\021SMPL.D\021SMPL.D#
Date Acquired: Aug 25 2011 09:33 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: MDLVB
Misc Info: MDLV 200.8 8/1
Vial Number: 2204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	86.59	3600	
51 V	72	1	0.00	0.00	ppb	7514.30	3600	
52 Cr	72	1	0.17	0.17	ppb	5.58	3600	
55 Mn	72	1	0.17	0.17	ppb	10.65	18000	
59 Co	72	1	0.00	0.00	ppb	128.02	3600	
60 Ni	72	1	0.08	0.08	ppb	52.94	3600	
63 Cu	72	1	0.10	0.10	ppb	13.81	3600	
66 Zn	72	1	1.87	1.87	ppb	3.48	3600	
75 As	72	1	0.41	0.41	ppb	5.32	3600	
78 Se	72	1	0.09	0.09	ppb	109.07	3600	
95 Mo	72	1	0.02	0.02	ppb	51.76	3600	
107 Ag	115	1	0.03	0.03	ppb	29.30	3600	
111 Cd	115	1	0.02	0.02	ppb	86.46	3600	
118 Sn	115	1	0.30	0.30	ppb	6.76	3600	
121 Sb	115	1	0.04	0.04	ppb	9.34	3600	
137 Ba	115	1	0.07	0.07	ppb	29.52	3600	
205 Tl	165	1	0.09	0.09	ppb	50.33	3600	
208 Pb	165	1	0.04	0.04	ppb	6.17	3600	
232 Th	165	1	0.01	0.01	ppb	15.26	1000	
238 U	165	1	0.01	0.01	ppb	16.58	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	429901	0.92	439510	97.8	30 - 120	
45 Sc	1	866300	1.35	933106	92.8	30 - 120	
72 Ge	1	432439	2.85	470474	91.9	30 - 120	
115 In	1	1540156	1.40	1645880	93.6	30 - 120	
165 Ho	1	3576979	0.74	3654515	97.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\022SMPL.D\022SMPL.D#
Date Acquired: Aug 25 2011 09:36 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: MDLV1
Misc Info:
Vial Number: 2205
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.43	0.43	ppb	31.85	3600	
51 V	72	1	2.43	2.43	ppb	2.97	3600	
52 Cr	72	1	2.35	2.35	ppb	2.63	3600	
55 Mn	72	1	1.66	1.66	ppb	3.17	18000	
59 Co	72	1	0.14	0.14	ppb	4.17	3600	
60 Ni	72	1	0.79	0.79	ppb	3.62	3600	
63 Cu	72	1	1.43	1.43	ppb	4.11	3600	
66 Zn	72	1	57.89	57.89	ppb	0.89	3600	
75 As	72	1	1.39	1.39	ppb	5.57	3600	
78 Se	72	1	2.09	2.09	ppb	18.98	3600	
95 Mo	72	1	0.16	0.16	ppb	16.49	3600	
107 Ag	115	1	0.06	0.06	ppb	8.41	3600	
111 Cd	115	1	0.11	0.11	ppb	22.76	3600	
118 Sn	115	1	0.64	0.64	ppb	8.80	3600	
121 Sb	115	1	0.37	0.37	ppb	9.34	3600	
137 Ba	115	1	2.30	2.30	ppb	2.84	3600	
205 Tl	165	1	0.19	0.19	ppb	3.62	3600	
208 Pb	165	1	0.35	0.35	ppb	2.37	3600	
232 Th	165	1	0.31	0.31	ppb	2.41	1000	
238 U	165	1	0.10	0.10	ppb	1.65	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	412049	0.52	439510	93.8	30 - 120	
45 Sc	1	812686	0.77	933106	87.1	30 - 120	
72 Ge	1	400060	1.12	470474	85.0	30 - 120	
115 In	1	1488019	0.49	1645880	90.4	30 - 120	
165 Ho	1	3550565	0.79	3654515	97.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\023SMPL.D\023SMPL.D#
Date Acquired: Aug 25 2011 09:39 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: MDLV2
Misc Info:
Vial Number: 2206
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.34	0.34	ppb	22.10	3600	
51 V	72	1	2.53	2.53	ppb	7.57	3600	
52 Cr	72	1	2.35	2.35	ppb	3.74	3600	
55 Mn	72	1	1.44	1.44	ppb	6.63	18000	
59 Co	72	1	0.13	0.13	ppb	5.77	3600	
60 Ni	72	1	0.83	0.83	ppb	11.93	3600	
63 Cu	72	1	0.94	0.94	ppb	3.70	3600	
66 Zn	72	1	5.35	5.35	ppb	1.15	3600	
75 As	72	1	1.40	1.40	ppb	5.65	3600	
78 Se	72	1	1.51	1.51	ppb	40.29	3600	
95 Mo	72	1	0.16	0.16	ppb	13.29	3600	
107 Ag	115	1	0.06	0.06	ppb	21.69	3600	
111 Cd	115	1	0.10	0.10	ppb	10.79	3600	
118 Sn	115	1	0.57	0.57	ppb	1.09	3600	
121 Sb	115	1	0.37	0.37	ppb	7.47	3600	
137 Ba	115	1	1.08	1.08	ppb	1.49	3600	
205 Tl	165	1	0.18	0.18	ppb	4.51	3600	
208 Pb	165	1	0.29	0.29	ppb	1.30	3600	
232 Th	165	1	0.29	0.29	ppb	3.45	1000	
238 U	165	1	0.10	0.10	ppb	4.64	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	407822	0.96	439510	92.8	30 - 120	
45 Sc	1	807021	1.16	933106	86.5	30 - 120	
72 Ge	1	392771	0.49	470474	83.5	30 - 120	
115 In	1	1452430	0.51	1645880	88.2	30 - 120	
165 Ho	1	3528654	0.72	3654515	96.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\024SMPL.D\024SMPL.D#
Date Acquired: Aug 25 2011 09:42 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: MDLVB
Misc Info: MDLV 200.8 8/3
Vial Number: 3110
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	1.52	3600	
51 V	72	1	0.02	0.02	ppb	945.50	3600	
52 Cr	72	1	0.17	0.17	ppb	11.52	3600	
55 Mn	72	1	0.49	0.49	ppb	4.83	18000	
59 Co	72	1	0.05	0.05	ppb	4.23	3600	
60 Ni	72	1	0.23	0.23	ppb	13.35	3600	
63 Cu	72	1	0.34	0.34	ppb	9.22	3600	
66 Zn	72	1	2.48	2.48	ppb	1.72	3600	
75 As	72	1	0.37	0.37	ppb	8.11	3600	
78 Se	72	1	-0.20	-0.20	ppb	28.63	3600	
95 Mo	72	1	0.02	0.02	ppb	38.68	3600	
107 Ag	115	1	0.01	0.01	ppb	57.59	3600	
111 Cd	115	1	0.01	0.01	ppb	103.23	3600	
118 Sn	115	1	0.14	0.14	ppb	6.88	3600	
121 Sb	115	1	0.03	0.03	ppb	13.06	3600	
137 Ba	115	1	0.17	0.17	ppb	5.84	3600	
205 Tl	165	1	0.03	0.03	ppb	4.32	3600	
208 Pb	165	1	0.18	0.18	ppb	1.27	3600	
232 Th	165	1	0.03	0.03	ppb	4.66	1000	
238 U	165	1	0.06	0.06	ppb	1.28	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	392019	1.52	439510	89.2	30 - 120	
45 Sc	1	795208	1.69	933106	85.2	30 - 120	
72 Ge	1	395496	0.86	470474	84.1	30 - 120	
115 In	1	1415235	1.40	1645880	86.0	30 - 120	
165 Ho	1	3436399	0.92	3654515	94.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\025SMPL.D\025SMPL.D#
Date Acquired: Aug 25 2011 09:45 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: MDLV1
Misc Info:
Vial Number: 3111
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.33	0.33	ppb	39.66	3600	
51 V	72	1	2.51	2.51	ppb	5.31	3600	
52 Cr	72	1	2.44	2.44	ppb	2.92	3600	
55 Mn	72	1	1.77	1.77	ppb	2.91	18000	
59 Co	72	1	0.14	0.14	ppb	1.18	3600	
60 Ni	72	1	0.78	0.78	ppb	3.04	3600	
63 Cu	72	1	0.88	0.88	ppb	8.60	3600	
66 Zn	72	1	6.67	6.67	ppb	1.56	3600	
75 As	72	1	1.47	1.47	ppb	7.21	3600	
78 Se	72	1	1.93	1.93	ppb	57.33	3600	
95 Mo	72	1	0.18	0.18	ppb	17.43	3600	
107 Ag	115	1	0.06	0.06	ppb	15.11	3600	
111 Cd	115	1	0.10	0.10	ppb	11.10	3600	
118 Sn	115	1	0.50	0.50	ppb	3.99	3600	
121 Sb	115	1	0.37	0.37	ppb	5.83	3600	
137 Ba	115	1	1.34	1.34	ppb	3.13	3600	
205 Tl	165	1	0.24	0.24	ppb	2.94	3600	
208 Pb	165	1	0.42	0.42	ppb	1.72	3600	
232 Th	165	1	0.33	0.33	ppb	4.62	1000	
238 U	165	1	0.15	0.15	ppb	4.53	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	393530	0.84	439510	89.5	30 - 120	
45 Sc	1	788659	0.94	933106	84.5	30 - 120	
72 Ge	1	383254	0.96	470474	81.5	30 - 120	
115 In	1	1439500	0.31	1645880	87.5	30 - 120	
165 Ho	1	3461404	0.97	3654515	94.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\026SMPL.D\026SMPL.D#
Date Acquired: Aug 25 2011 09:48 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: MDLV2
Misc Info:
Vial Number: 3112
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.32	0.32	ppb	32.26	3600	
51 V	72	1	2.67	2.67	ppb	6.94	3600	
52 Cr	72	1	2.43	2.43	ppb	0.33	3600	
55 Mn	72	1	1.95	1.95	ppb	3.30	18000	
59 Co	72	1	0.14	0.14	ppb	13.11	3600	
60 Ni	72	1	0.98	0.98	ppb	1.84	3600	
63 Cu	72	1	0.96	0.96	ppb	5.99	3600	
66 Zn	72	1	7.71	7.71	ppb	1.00	3600	
75 As	72	1	1.58	1.58	ppb	3.48	3600	
78 Se	72	1	2.10	2.10	ppb	24.55	3600	
95 Mo	72	1	0.15	0.15	ppb	23.53	3600	
107 Ag	115	1	0.05	0.05	ppb	7.11	3600	
111 Cd	115	1	0.10	0.10	ppb	41.64	3600	
118 Sn	115	1	0.53	0.53	ppb	18.77	3600	
121 Sb	115	1	0.39	0.39	ppb	6.49	3600	
137 Ba	115	1	1.21	1.21	ppb	2.28	3600	
205 Tl	165	1	0.18	0.18	ppb	4.07	3600	
208 Pb	165	1	0.46	0.46	ppb	0.98	3600	
232 Th	165	1	0.30	0.30	ppb	3.01	1000	
238 U	165	1	0.10	0.10	ppb	2.77	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	392449	0.78	439510	89.3	30 - 120	
45 Sc	1	772162	1.20	933106	82.8	30 - 120	
72 Ge	1	377678	1.21	470474	80.3	30 - 120	
115 In	1	1423255	0.23	1645880	86.5	30 - 120	
165 Ho	1	3460748	0.69	3654515	94.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\027_CCV.D\027_CCV.D#
Date Acquired: Aug 25 2011 09:51 pm
Operator: LRD
Sample Name: CCV-944128
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	49.93	ppb	1.77	50	99.9	90 - 110	
51 V	72	1	49.44	ppb	2.23	50	98.9	90 - 110	
52 Cr	72	1	49.09	ppb	1.38	50	98.2	90 - 110	
55 Mn	72	1	50.56	ppb	1.38	50	101.1	90 - 110	
59 Co	72	1	47.28	ppb	1.22	50	94.6	90 - 110	
60 Ni	72	1	48.31	ppb	1.58	50	96.6	90 - 110	
63 Cu	72	1	48.62	ppb	0.87	50	97.2	90 - 110	
66 Zn	72	1	49.79	ppb	0.96	50	99.6	90 - 110	
75 As	72	1	49.04	ppb	1.52	50	98.1	90 - 110	
78 Se	72	1	51.78	ppb	6.84	50	103.6	90 - 110	
95 Mo	72	1	50.04	ppb	2.21	50	100.1	90 - 110	
107 Ag	115	1	47.22	ppb	1.74	50	94.4	90 - 110	
111 Cd	115	1	48.76	ppb	1.68	50	97.5	90 - 110	
118 Sn	115	1	49.52	ppb	0.26	50	99.0	90 - 110	
121 Sb	115	1	49.22	ppb	1.05	50	98.4	90 - 110	
137 Ba	115	1	50.31	ppb	1.85	50	100.6	90 - 110	
205 Tl	165	1	53.19	ppb	0.40	50	106.4	90 - 110	
208 Pb	165	1	52.41	ppb	0.20	50	104.8	90 - 110	
232 Th	165	1	56.63	ppb	2.50	50	113.3	90 - 110	Fail
238 U	165	1	56.43	ppb	1.83	50	112.9	90 - 110	Fail

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	372067	0.62	439510	84.7	30 - 120	
45 Sc	1	773021	0.87	933106	82.8	30 - 120	
72 Ge	1	391866	0.63	470474	83.3	30 - 120	
115 In	1	1453105	0.80	1645880	88.3	30 - 120	
165 Ho	1	3443649	1.09	3654515	94.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

2 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\028_CCB.D\028_CCB.D#
Date Acquired: Aug 25 2011 09:54 pm
Operator: LRD
Sample Name: CCB-944134
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.019	ppb	99.63	1.00	
51 V	72	1	0.008	ppb	172.56	1.00	
52 Cr	72	1	0.009	ppb	240.91	1.00	
55 Mn	72	1	0.018	ppb	125.01	1.00	
59 Co	72	1	0.016	ppb	51.71	1.00	
60 Ni	72	1	0.003	ppb	361.71	1.00	
63 Cu	72	1	0.022	ppb	35.31	1.00	
66 Zn	72	1	0.041	ppb	51.14	1.00	
75 As	72	1	0.023	ppb	56.62	1.00	
78 Se	72	1	-0.010	ppb	2481.70	1.00	
95 Mo	72	1	0.054	ppb	79.26	1.00	
107 Ag	115	1	0.027	ppb	23.16	1.00	
111 Cd	115	1	0.016	ppb	34.40	1.00	
118 Sn	115	1	0.046	ppb	21.23	1.00	
121 Sb	115	1	0.018	ppb	28.47	1.00	
137 Ba	115	1	0.022	ppb	23.38	1.00	
205 Tl	165	1	0.028	ppb	15.79	1.00	
208 Pb	165	1	0.022	ppb	18.64	1.00	
232 Th	165	1	0.038	ppb	9.75	1.00	
238 U	165	1	0.021	ppb	25.76	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	377726	0.67	439510	85.9	30 - 120	
45 Sc	1	809822	1.37	933106	86.8	30 - 120	
72 Ge	1	409239	0.42	470474	87.0	30 - 120	
115 In	1	1488421	2.25	1645880	90.4	30 - 120	
165 Ho	1	3475301	0.98	3654515	95.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\029WASH.D\029WASH.D#
Date Acquired: Aug 25 2011 09:56 pm
Operator: LRD
Sample Name: LLICV-944135
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.051 ppb	7.01	1.30	
51 V	72	1	4.794 ppb	1.51	6.50	
52 Cr	72	1	2.110 ppb	1.19	2.60	
55 Mn	72	1	1.077 ppb	1.55	1.30	
59 Co	72	1	0.968 ppb	1.22	1.30	
60 Ni	72	1	2.134 ppb	10.38	2.60	
63 Cu	72	1	1.970 ppb	1.75	2.60	
66 Zn	72	1	10.090 ppb	0.81	13.00	
75 As	72	1	4.866 ppb	3.01	6.50	
78 Se	72	1	4.802 ppb	17.57	6.50	
95 Mo	72	1	2.073 ppb	2.90	2.60	
107 Ag	115	1	4.936 ppb	2.75	6.50	
111 Cd	115	1	1.053 ppb	4.69	1.30	
118 Sn	115	1	10.350 ppb	0.50	13.00	
121 Sb	115	1	2.019 ppb	1.88	2.60	
137 Ba	115	1	1.055 ppb	6.99	1.30	
205 Tl	165	1	1.107 ppb	1.19	1.30	
208 Pb	165	1	1.115 ppb	0.62	1.30	
232 Th	165	1	2.375 ppb	0.52	2.60	
238 U	165	1	1.183 ppb	0.99	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	385196	0.13	439510	87.6	30 - 120	
45 Sc	1	827579	1.53	933106	88.7	30 - 120	
72 Ge	1	418119	0.22	470474	88.9	30 - 120	
115 In	1	1502100	1.48	1645880	91.3	30 - 120	
165 Ho	1	3492775	0.36	3654515	95.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\030_BLK.D\030_BLK.D#
Date Acquired: Aug 25 2011 09:59 pm
Operator: LRD
Sample Name: mb 280-82731/1-a
Misc Info: BLANK 82731 SOIL DODV3
Vial Number: 2207
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.000 ppb	0.00	2.00	
51 V	72	1	0.006 ppb	596.29	2.00	
52 Cr	72	1	0.122 ppb	7.94	2.00	
55 Mn	72	1	0.216 ppb	19.55	2.00	
59 Co	72	1	0.009 ppb	47.86	2.00	
60 Ni	72	1	0.061 ppb	45.61	2.00	
63 Cu	72	1	0.077 ppb	50.07	2.00	
66 Zn	72	1	0.467 ppb	3.01	2.00	
75 As	72	1	0.017 ppb	102.47	2.00	
78 Se	72	1	0.099 ppb	247.10	2.00	
95 Mo	72	1	0.008 ppb	183.05	2.00	
107 Ag	115	1	0.004 ppb	36.11	2.00	
111 Cd	115	1	0.012 ppb	66.85	2.00	
118 Sn	115	1	0.079 ppb	21.84	2.00	
121 Sb	115	1	0.013 ppb	19.11	2.00	
137 Ba	115	1	0.123 ppb	17.15	2.00	
205 Tl	165	1	0.017 ppb	15.54	2.00	
208 Pb	165	1	0.044 ppb	4.01	2.00	
232 Th	165	1	0.021 ppb	15.52	2.00	
238 U	165	1	0.013 ppb	5.67	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	393409	0.92	439510	89.5	30 - 120	
45 Sc	1	852708	1.01	933106	91.4	30 - 120	
72 Ge	1	426417	0.27	470474	90.6	30 - 120	
115 In	1	1524266	1.52	1645880	92.6	30 - 120	
165 Ho	1	3555385	0.65	3654515	97.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\031_LCS.D\031_LCS.D#
Date Acquired: Aug 25 2011 10:02 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: lcs 280-82731/2-a
Misc Info: LCS
Vial Number: 2208
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	40.05	1.75	40	100.1	80 - 120	
51 V	72	1	40.42	0.44	40	101.1	80 - 120	
52 Cr	72	1	40.25	1.20	40	100.6	80 - 120	
55 Mn	72	1	41.77	1.67	40	104.4	80 - 120	
59 Co	72	1	38.55	0.49	40	96.4	80 - 120	
60 Ni	72	1	39.64	1.62	40	99.1	80 - 120	
63 Cu	72	1	40.09	0.80	40	100.2	80 - 120	
66 Zn	72	1	39.33	0.94	40	98.3	80 - 120	
75 As	72	1	39.09	0.22	40	97.7	80 - 120	
78 Se	72	1	40.30	2.13	40	100.8	80 - 120	
95 Mo	72	1	41.36	1.49	40	103.4	80 - 120	
107 Ag	115	1	38.39	0.68	40	96.0	80 - 120	
111 Cd	115	1	38.88	0.98	40	97.2	80 - 120	
118 Sn	115	1	40.46	1.68	40	101.2	80 - 120	
121 Sb	115	1	39.36	1.27	40	98.4	80 - 120	
137 Ba	115	1	40.74	1.53	40	101.9	80 - 120	
205 Tl	165	1	42.42	2.20	40	106.1	80 - 120	
208 Pb	165	1	41.62	2.14	40	104.1	80 - 120	
232 Th	165	1	44.89	1.11	40	112.2	80 - 120	
238 U	165	1	45.79	2.55	40	114.5	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	396390	0.50	439510	90.2	30 - 120	
45 Sc	1	868437	1.08	933106	93.1	30 - 120	
72 Ge	1	426041	0.56	470474	90.6	30 - 120	
115 In	1	1551086	0.68	1645880	94.2	30 - 120	
165 Ho	1	3632288	2.24	3654515	99.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\032SMPL.D\032SMPL.D#
Date Acquired: Aug 25 2011 10:05 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19386-a-1-e
Misc Info:
Vial Number: 2209
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	3.41	3.41	ppb	5.48	3600	
51 V	72	1	88.91	88.91	ppb	1.51	3600	
52 Cr	72	1	73.64	73.64	ppb	0.70	3600	
55 Mn	72	1	2,053.00	2053.00	ppb	1.23	18000	
59 Co	72	1	26.30	26.30	ppb	0.66	3600	
60 Ni	72	1	65.97	65.97	ppb	0.61	3600	
63 Cu	72	1	61.82	61.82	ppb	0.82	3600	
66 Zn	72	1	278.90	278.90	ppb	0.44	3600	
75 As	72	1	18.27	18.27	ppb	0.63	3600	
78 Se	72	1	2.68	2.68	ppb	10.50	3600	
95 Mo	72	1	1.95	1.95	ppb	4.22	3600	
107 Ag	115	1	0.75	0.75	ppb	5.83	3600	
111 Cd	115	1	4.70	4.70	ppb	4.07	3600	
118 Sn	115	1	0.83	0.83	ppb	8.56	3600	
121 Sb	115	1	0.16	0.16	ppb	8.43	3600	
137 Ba	115	1	759.40	759.40	ppb	1.65	3600	
205 Tl	165	1	0.95	0.95	ppb	3.20	3600	
208 Pb	165	1	57.35	57.35	ppb	0.04	3600	
232 Th	165	1	28.85	28.85	ppb	0.39	1000	
238 U	165	1	2.99	2.99	ppb	0.51	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	376873	1.11	439510	85.7	30 - 120	
45 Sc	1	878275	3.46	933106	94.1	30 - 120	
72 Ge	1	412887	0.17	470474	87.8	30 - 120	
115 In	1	1442342	1.59	1645880	87.6	30 - 120	
165 Ho	1	3376052	0.31	3654515	92.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\033SMPL.D\033SMPL.D#
Date Acquired: Aug 25 2011 10:08 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19386-a-2-e
Misc Info:
Vial Number: 2210
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	3.17	3.17	ppb	9.13	3600	
51 V	72	1	96.99	96.99	ppb	1.22	3600	
52 Cr	72	1	74.15	74.15	ppb	1.35	3600	
55 Mn	72	1	1,959.00	1959.00	ppb	1.15	18000	
59 Co	72	1	27.40	27.40	ppb	0.68	3600	
60 Ni	72	1	65.15	65.15	ppb	1.24	3600	
63 Cu	72	1	66.91	66.91	ppb	0.70	3600	
66 Zn	72	1	271.20	271.20	ppb	0.40	3600	
75 As	72	1	19.79	19.79	ppb	0.62	3600	
78 Se	72	1	2.97	2.97	ppb	11.40	3600	
95 Mo	72	1	1.86	1.86	ppb	1.42	3600	
107 Ag	115	1	0.65	0.65	ppb	4.26	3600	
111 Cd	115	1	5.30	5.30	ppb	5.41	3600	
118 Sn	115	1	1.02	1.02	ppb	6.76	3600	
121 Sb	115	1	0.13	0.13	ppb	1.52	3600	
137 Ba	115	1	778.00	778.00	ppb	1.46	3600	
205 Tl	165	1	0.90	0.90	ppb	1.18	3600	
208 Pb	165	1	55.95	55.95	ppb	0.92	3600	
232 Th	165	1	26.96	26.96	ppb	1.14	1000	
238 U	165	1	2.90	2.90	ppb	1.38	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	376158	1.01	439510	85.6	30 - 120	
45 Sc	1	871718	1.14	933106	93.4	30 - 120	
72 Ge	1	412333	0.37	470474	87.6	30 - 120	
115 In	1	1426410	0.38	1645880	86.7	30 - 120	
165 Ho	1	3345338	0.61	3654515	91.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\034AREF.D\034AREF.D#
Date Acquired: Aug 25 2011 10:11 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19386-a-3-m
Misc Info:
Vial Number: 2211
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	3.04	3.04	ppb	5.56	3600	
51 V	72	1	81.22	81.22	ppb	0.57	3600	
52 Cr	72	1	67.03	67.03	ppb	0.14	3600	
55 Mn	72	1	1,908.00	1908.00	ppb	2.02	18000	
59 Co	72	1	25.18	25.18	ppb	1.24	3600	
60 Ni	72	1	63.62	63.62	ppb	0.56	3600	
63 Cu	72	1	60.78	60.78	ppb	1.15	3600	
66 Zn	72	1	249.00	249.00	ppb	0.34	3600	
75 As	72	1	18.15	18.15	ppb	1.19	3600	
78 Se	72	1	3.31	3.31	ppb	44.08	3600	
95 Mo	72	1	1.61	1.61	ppb	1.20	3600	
107 Ag	115	1	0.68	0.68	ppb	4.03	3600	
111 Cd	115	1	4.87	4.87	ppb	6.66	3600	
118 Sn	115	1	0.67	0.67	ppb	5.12	3600	
121 Sb	115	1	0.14	0.14	ppb	5.74	3600	
137 Ba	115	1	729.30	729.30	ppb	0.30	3600	
205 Tl	165	1	0.81	0.81	ppb	1.63	3600	
208 Pb	165	1	55.33	55.33	ppb	1.33	3600	
232 Th	165	1	26.23	26.23	ppb	1.76	1000	
238 U	165	1	2.80	2.80	ppb	1.03	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	375413	0.39	439510	85.4	30 - 120	
45 Sc	1	867132	1.69	933106	92.9	30 - 120	
72 Ge	1	413269	0.25	470474	87.8	30 - 120	
115 In	1	1432116	0.79	1645880	87.0	30 - 120	
165 Ho	1	3378037	1.14	3654515	92.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\035SDIL.D\035SDIL.D#
Date Acquired: Aug 25 2011 10:14 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19386-a-3-m SD@5
Misc Info: SERIAL DILUTION
Vial Number: 2212
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SDIL
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG082511.B\034AREF.D\034AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	0.55	ppb	32.49	0.61	90.0	90 - 110	
51 V	72	1	15.96	ppb	1.16	16.24	98.3	90 - 110	
52 Cr	72	1	13.68	ppb	1.82	13.41	102.0	90 - 110	
55 Mn	72	1	396.30	ppb	1.90	381.60	103.9	90 - 110	
59 Co	72	1	5.17	ppb	0.26	5.04	102.6	90 - 110	
60 Ni	72	1	13.34	ppb	1.68	12.72	104.8	90 - 110	
63 Cu	72	1	13.09	ppb	1.60	12.16	107.7	90 - 110	
66 Zn	72	1	52.18	ppb	1.31	49.80	104.8	90 - 110	
75 As	72	1	3.69	ppb	4.26	3.63	101.5	90 - 110	
78 Se	72	1	0.32	ppb	89.88	0.66	48.5	90 - 110	
95 Mo	72	1	0.29	ppb	7.66	0.32	89.5	90 - 110	
107 Ag	115	1	0.14	ppb	2.05	0.14	104.9	90 - 110	
111 Cd	115	1	0.95	ppb	4.74	0.97	97.9	90 - 110	
118 Sn	115	1	0.14	ppb	18.61	0.13	102.4	90 - 110	
121 Sb	115	1	0.03	ppb	9.74	0.03	118.5	90 - 110	
137 Ba	115	1	139.20	ppb	1.29	145.86	95.4	90 - 110	
205 Tl	165	1	0.17	ppb	7.21	0.16	104.6	90 - 110	
208 Pb	165	1	11.54	ppb	0.80	11.07	104.3	90 - 110	
232 Th	165	1	5.35	ppb	1.43	5.25	101.9	90 - 110	
238 U	165	1	0.57	ppb	2.36	0.56	101.4	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	395973	0.78	439510	90.1	30 - 120	
45 Sc	1	884803	1.66	933106	94.8	30 - 120	
72 Ge	1	441518	0.54	470474	93.8	30 - 120	
115 In	1	1554724	1.14	1645880	94.5	30 - 120	
165 Ho	1	3592221	0.65	3654515	98.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\036PDS.D\036PDS.D#
Date Acquired: Aug 25 2011 10:17 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19386-a-3-m PDS
Misc Info: POST DIGESTION SPIKE
Vial Number: 2301
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: PDS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	207.00	3.04	ppb	1.05	200	102.0	75 - 125	
51 V	72	1	286.30	81.22	ppb	2.42	200	101.8	75 - 125	
52 Cr	72	1	267.10	67.03	ppb	1.65	200	100.0	75 - 125	
55 Mn	72	1	2091.00	1908.00	ppb	0.85	200	99.2	75 - 125	
59 Co	72	1	216.50	25.18	ppb	0.50	200	96.1	75 - 125	
60 Ni	72	1	247.10	63.62	ppb	0.43	200	93.7	75 - 125	
63 Cu	72	1	246.30	60.78	ppb	1.09	200	94.4	75 - 125	
66 Zn	72	1	430.90	249.00	ppb	1.08	200	96.0	75 - 125	
75 As	72	1	213.30	18.15	ppb	1.21	200	97.8	75 - 125	
78 Se	72	1	196.20	3.31	ppb	2.93	200	96.5	75 - 125	
95 Mo	72	1	204.70	1.61	ppb	1.21	200	101.5	75 - 125	
107 Ag	115	1	46.85	0.68	ppb	0.88	50	92.4	75 - 125	
111 Cd	115	1	198.00	4.86	ppb	0.59	200	96.6	75 - 125	
118 Sn	115	1	199.30	0.67	ppb	1.69	200	99.3	75 - 125	
121 Sb	115	1	198.20	0.14	ppb	0.56	200	99.0	75 - 125	
137 Ba	115	1	924.20	729.30	ppb	0.98	200	99.5	75 - 125	
205 Tl	165	1	200.90	0.81	ppb	1.90	200	100.0	75 - 125	
208 Pb	165	1	252.90	55.33	ppb	1.77	200	99.0	75 - 125	
232 Th	165	1	25.71	26.23	ppb	1.09	200	11.4	75 - 125	
238 U	165	1	216.20	2.80	ppb	2.80	200	106.6	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	370465	0.81	439510	84.3	30 - 120	
45 Sc	1	869170	0.55	933106	93.1	30 - 120	
72 Ge	1	409228	0.56	470474	87.0	30 - 120	
115 In	1	1437183	0.42	1645880	87.3	30 - 120	
165 Ho	1	3376433	1.20	3654515	92.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\037_MS.D\037_MS.D#
Date Acquired: Aug 25 2011 10:20 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19386-a-3-n ms
Misc Info: MATRIX SPIKE
Vial Number: 2302
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	42.95	3.04	ppb	2.51	40	99.8	50 - 150	
51 V	72	1	136.80	81.22	ppb	2.80	40	112.9	50 - 150	
52 Cr	72	1	116.60	67.03	ppb	3.56	40	108.9	50 - 150	
55 Mn	72	1	2174.00	1908.00	ppb	2.30	40	111.6	50 - 150	
59 Co	72	1	63.71	25.18	ppb	1.59	40	97.7	50 - 150	
60 Ni	72	1	106.90	63.62	ppb	1.72	40	103.2	50 - 150	
63 Cu	72	1	103.70	60.78	ppb	1.18	40	102.9	50 - 150	
66 Zn	72	1	312.00	249.00	ppb	1.05	40	108.0	50 - 150	
75 As	72	1	56.31	18.15	ppb	1.20	40	96.8	50 - 150	
78 Se	72	1	35.20	3.31	ppb	5.31	40	81.3	50 - 150	
95 Mo	72	1	28.50	1.61	ppb	0.85	40	68.5	50 - 150	
107 Ag	115	1	34.35	0.68	ppb	1.35	40	84.4	50 - 150	
111 Cd	115	1	42.64	4.86	ppb	0.20	40	95.0	50 - 150	
118 Sn	115	1	10.99	0.67	ppb	1.28	40	27.0	50 - 150	
121 Sb	115	1	1.56	0.14	ppb	0.47	40	3.9	50 - 150	
137 Ba	115	1	852.70	729.30	ppb	0.83	40	110.8	50 - 150	
205 Tl	165	1	39.90	0.81	ppb	0.76	40	97.8	50 - 150	
208 Pb	165	1	101.00	55.33	ppb	0.93	40	105.9	50 - 150	
232 Th	165	1	71.89	26.23	ppb	2.23	40	108.5	50 - 150	
238 U	165	1	47.00	2.80	ppb	1.98	40	109.8	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	370846	1.62	439510	84.4	30 - 120	
45 Sc	1	870235	1.49	933106	93.3	30 - 120	
72 Ge	1	410579	0.76	470474	87.3	30 - 120	
115 In	1	1439640	1.32	1645880	87.5	30 - 120	
165 Ho	1	3312463	0.71	3654515	90.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\038_MSD.D\038_MSD.D#
Date Acquired: Aug 25 2011 10:23 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19386-a-3-o msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 2303
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG082511.B\037_MS.D\037_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	38.75	ppb	2.86	42.95	10.28	20	
51 V	72	1	137.90	ppb	3.51	136.80	0.80	20	
52 Cr	72	1	119.10	ppb	3.06	116.60	2.12	20	
55 Mn	72	1	2199.00	ppb	1.72	2174.00	1.14	20	
59 Co	72	1	60.72	ppb	0.81	63.71	4.81	20	
60 Ni	72	1	105.00	ppb	0.60	106.90	1.79	20	
63 Cu	72	1	99.87	ppb	0.54	103.70	3.76	20	
66 Zn	72	1	316.90	ppb	0.26	312.00	1.56	20	
75 As	72	1	53.17	ppb	0.68	56.31	5.74	20	
78 Se	72	1	32.92	ppb	7.06	35.20	6.69	20	
95 Mo	72	1	28.70	ppb	1.31	28.50	0.70	20	
107 Ag	115	1	30.76	ppb	1.68	34.35	11.03	20	
111 Cd	115	1	39.36	ppb	2.15	42.64	8.00	20	
118 Sn	115	1	11.23	ppb	3.27	10.99	2.16	20	
121 Sb	115	1	1.54	ppb	1.06	1.56	1.55	20	
137 Ba	115	1	871.20	ppb	1.17	852.70	2.15	20	
205 Tl	165	1	36.21	ppb	0.83	39.90	9.70	20	
208 Pb	165	1	97.86	ppb	0.73	101.00	3.16	20	
232 Th	165	1	68.53	ppb	1.34	71.89	4.79	20	
238 U	165	1	42.62	ppb	0.67	47.00	9.77	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	367176	0.76	439510	83.5	30 - 120	
45 Sc	1	878133	2.11	933106	94.1	30 - 120	
72 Ge	1	413631	0.20	470474	87.9	30 - 120	
115 In	1	1436359	1.39	1645880	87.3	30 - 120	
165 Ho	1	3319264	0.40	3654515	90.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\039_CCV.D\039_CCV.D#
Date Acquired: Aug 25 2011 10:26 pm
Operator: LRD
Sample Name: CCV-944128
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	49.66	ppb	1.62	50	99.3	90 - 110	
51 V	72	1	49.28	ppb	0.74	50	98.6	90 - 110	
52 Cr	72	1	48.75	ppb	0.27	50	97.5	90 - 110	
55 Mn	72	1	49.81	ppb	0.53	50	99.6	90 - 110	
59 Co	72	1	47.76	ppb	1.01	50	95.5	90 - 110	
60 Ni	72	1	49.47	ppb	1.20	50	98.9	90 - 110	
63 Cu	72	1	49.55	ppb	0.24	50	99.1	90 - 110	
66 Zn	72	1	49.21	ppb	0.24	50	98.4	90 - 110	
75 As	72	1	49.83	ppb	0.60	50	99.7	90 - 110	
78 Se	72	1	50.87	ppb	0.70	50	101.7	90 - 110	
95 Mo	72	1	49.98	ppb	0.53	50	100.0	90 - 110	
107 Ag	115	1	48.26	ppb	1.27	50	96.5	90 - 110	
111 Cd	115	1	48.60	ppb	0.79	50	97.2	90 - 110	
118 Sn	115	1	49.68	ppb	1.08	50	99.4	90 - 110	
121 Sb	115	1	49.35	ppb	0.26	50	98.7	90 - 110	
137 Ba	115	1	50.42	ppb	0.44	50	100.8	90 - 110	
205 Tl	165	1	52.53	ppb	1.19	50	105.1	90 - 110	
208 Pb	165	1	50.91	ppb	1.70	50	101.8	90 - 110	
232 Th	165	1	55.02	ppb	1.20	50	110.0	90 - 110	Fail
238 U	165	1	54.17	ppb	2.31	50	108.3	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	402407	1.43	439510	91.6	30 - 120	
45 Sc	1	906230	0.48	933106	97.1	30 - 120	
72 Ge	1	458428	0.27	470474	97.4	30 - 120	
115 In	1	1637317	0.34	1645880	99.5	30 - 120	
165 Ho	1	3682740	1.07	3654515	100.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

1 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\040_CCB.D\040_CCB.D#
Date Acquired: Aug 25 2011 10:28 pm
Operator: LRD
Sample Name: CCB-944134
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.006	ppb	173.20	1.00	
51 V	72	1	0.003	ppb	341.72	1.00	
52 Cr	72	1	0.012	ppb	24.82	1.00	
55 Mn	72	1	0.193	ppb	3.70	1.00	
59 Co	72	1	0.021	ppb	27.96	1.00	
60 Ni	72	1	0.016	ppb	152.82	1.00	
63 Cu	72	1	0.055	ppb	17.57	1.00	
66 Zn	72	1	0.128	ppb	17.19	1.00	
75 As	72	1	0.026	ppb	88.37	1.00	
78 Se	72	1	0.000	ppb	709360.00	1.00	
95 Mo	72	1	0.025	ppb	105.17	1.00	
107 Ag	115	1	0.018	ppb	27.06	1.00	
111 Cd	115	1	0.016	ppb	53.85	1.00	
118 Sn	115	1	0.039	ppb	14.29	1.00	
121 Sb	115	1	0.023	ppb	16.63	1.00	
137 Ba	115	1	0.078	ppb	20.79	1.00	
205 Tl	165	1	0.036	ppb	4.22	1.00	
208 Pb	165	1	0.032	ppb	7.00	1.00	
232 Th	165	1	0.034	ppb	5.28	1.00	
238 U	165	1	0.025	ppb	16.51	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	410019	1.09	439510	93.3	30 - 120	
45 Sc	1	928914	1.61	933106	99.6	30 - 120	
72 Ge	1	471553	0.46	470474	100.2	30 - 120	
115 In	1	1654029	0.96	1645880	100.5	30 - 120	
165 Ho	1	3684800	0.97	3654515	100.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\041WASH.D\041WASH.D#
Date Acquired: Aug 25 2011 10:31 pm
Operator: LRD
Sample Name: LLICV-944135
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.090 ppb	6.59	1.30	
51 V	72	1	4.940 ppb	1.52	6.50	
52 Cr	72	1	2.168 ppb	1.46	2.60	
55 Mn	72	1	1.178 ppb	5.45	1.30	
59 Co	72	1	1.025 ppb	8.19	1.30	
60 Ni	72	1	2.172 ppb	7.38	2.60	
63 Cu	72	1	2.048 ppb	1.25	2.60	
66 Zn	72	1	10.150 ppb	0.63	13.00	
75 As	72	1	5.135 ppb	1.23	6.50	
78 Se	72	1	5.049 ppb	16.42	6.50	
95 Mo	72	1	2.148 ppb	6.51	2.60	
107 Ag	115	1	4.980 ppb	3.42	6.50	
111 Cd	115	1	1.034 ppb	9.50	1.30	
118 Sn	115	1	10.140 ppb	2.39	13.00	
121 Sb	115	1	2.018 ppb	1.79	2.60	
137 Ba	115	1	1.076 ppb	5.00	1.30	
205 Tl	165	1	1.119 ppb	1.82	1.30	
208 Pb	165	1	1.097 ppb	2.37	1.30	
232 Th	165	1	2.317 ppb	1.96	2.60	
238 U	165	1	1.130 ppb	0.86	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	410655	0.66	439510	93.4	30 - 120	
45 Sc	1	933334	0.95	933106	100.0	30 - 120	
72 Ge	1	476198	0.44	470474	101.2	30 - 120	
115 In	1	1665158	1.95	1645880	101.2	30 - 120	
165 Ho	1	3732157	0.93	3654515	102.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\042SMPL.D\042SMPL.D#
Date Acquired: Aug 25 2011 10:34 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19386-a-4-e
Misc Info:
Vial Number: 2304
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	4.22	4.22	ppb	13.60	3600	
51 V	72	1	99.03	99.03	ppb	0.53	3600	
52 Cr	72	1	81.76	81.76	ppb	1.12	3600	
55 Mn	72	1	2,347.00	2347.00	ppb	1.02	18000	
59 Co	72	1	30.09	30.09	ppb	1.52	3600	
60 Ni	72	1	74.59	74.59	ppb	0.33	3600	
63 Cu	72	1	74.39	74.39	ppb	1.23	3600	
66 Zn	72	1	304.10	304.10	ppb	0.70	3600	
75 As	72	1	21.62	21.62	ppb	2.03	3600	
78 Se	72	1	3.82	3.82	ppb	3.82	3600	
95 Mo	72	1	2.14	2.14	ppb	1.05	3600	
107 Ag	115	1	0.87	0.87	ppb	2.69	3600	
111 Cd	115	1	5.85	5.85	ppb	2.14	3600	
118 Sn	115	1	1.01	1.01	ppb	4.21	3600	
121 Sb	115	1	0.14	0.14	ppb	11.09	3600	
137 Ba	115	1	897.40	897.40	ppb	0.88	3600	
205 Tl	165	1	1.04	1.04	ppb	0.59	3600	
208 Pb	165	1	67.07	67.07	ppb	1.82	3600	
232 Th	165	1	32.24	32.24	ppb	0.80	1000	
238 U	165	1	3.39	3.39	ppb	0.23	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	362202	0.31	439510	82.4	30 - 120	
45 Sc	1	888684	0.56	933106	95.2	30 - 120	
72 Ge	1	422744	0.38	470474	89.9	30 - 120	
115 In	1	1456489	0.85	1645880	88.5	30 - 120	
165 Ho	1	3351959	0.22	3654515	91.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\043SMPL.D\043SMPL.D#
Date Acquired: Aug 25 2011 10:37 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19386-a-5-e
Misc Info:
Vial Number: 2305
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	3.23	3.23	ppb	10.37	3600	
51 V	72	1	80.85	80.85	ppb	1.34	3600	
52 Cr	72	1	68.19	68.19	ppb	1.59	3600	
55 Mn	72	1	1,904.00	1904.00	ppb	1.56	18000	
59 Co	72	1	24.82	24.82	ppb	1.06	3600	
60 Ni	72	1	62.84	62.84	ppb	1.68	3600	
63 Cu	72	1	64.07	64.07	ppb	0.83	3600	
66 Zn	72	1	263.60	263.60	ppb	0.04	3600	
75 As	72	1	17.61	17.61	ppb	0.82	3600	
78 Se	72	1	3.34	3.34	ppb	28.23	3600	
95 Mo	72	1	1.63	1.63	ppb	4.12	3600	
107 Ag	115	1	0.68	0.68	ppb	4.84	3600	
111 Cd	115	1	4.27	4.27	ppb	3.63	3600	
118 Sn	115	1	0.63	0.63	ppb	5.95	3600	
121 Sb	115	1	0.13	0.13	ppb	7.23	3600	
137 Ba	115	1	714.80	714.80	ppb	0.77	3600	
205 Tl	165	1	0.82	0.82	ppb	1.41	3600	
208 Pb	165	1	52.28	52.28	ppb	1.05	3600	
232 Th	165	1	26.05	26.05	ppb	0.39	1000	
238 U	165	1	2.86	2.86	ppb	0.95	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	364750	0.37	439510	83.0	30 - 120	
45 Sc	1	881768	0.88	933106	94.5	30 - 120	
72 Ge	1	424179	0.34	470474	90.2	30 - 120	
115 In	1	1459007	0.40	1645880	88.6	30 - 120	
165 Ho	1	3405664	0.96	3654515	93.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\044SMPL.D\044SMPL.D#
Date Acquired: Aug 25 2011 10:40 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19386-a-6-e
Misc Info:
Vial Number: 2306
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	3.76	3.76	ppb	11.59	3600	
51 V	72	1	98.26	98.26	ppb	0.78	3600	
52 Cr	72	1	82.31	82.31	ppb	0.95	3600	
55 Mn	72	1	2,129.00	2129.00	ppb	1.26	18000	
59 Co	72	1	28.69	28.69	ppb	0.84	3600	
60 Ni	72	1	75.25	75.25	ppb	0.36	3600	
63 Cu	72	1	71.59	71.59	ppb	0.35	3600	
66 Zn	72	1	302.80	302.80	ppb	0.40	3600	
75 As	72	1	20.54	20.54	ppb	0.64	3600	
78 Se	72	1	3.43	3.43	ppb	24.71	3600	
95 Mo	72	1	2.08	2.08	ppb	7.83	3600	
107 Ag	115	1	0.83	0.83	ppb	5.74	3600	
111 Cd	115	1	4.74	4.74	ppb	5.24	3600	
118 Sn	115	1	0.74	0.74	ppb	2.50	3600	
121 Sb	115	1	0.18	0.18	ppb	7.22	3600	
137 Ba	115	1	768.90	768.90	ppb	1.19	3600	
205 Tl	165	1	1.02	1.02	ppb	2.00	3600	
208 Pb	165	1	62.97	62.97	ppb	0.25	3600	
232 Th	165	1	31.96	31.96	ppb	0.45	1000	
238 U	165	1	3.35	3.35	ppb	0.66	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	361559	0.59	439510	82.3	30 - 120	
45 Sc	1	880913	1.09	933106	94.4	30 - 120	
72 Ge	1	421414	0.29	470474	89.6	30 - 120	
115 In	1	1458808	0.42	1645880	88.6	30 - 120	
165 Ho	1	3348291	0.14	3654515	91.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\045SMPL.D\045SMPL.D#
Date Acquired: Aug 25 2011 10:43 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19386-a-7-e
Misc Info:
Vial Number: 2307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	3.56	3.56	ppb	1.95	3600	
51 V	72	1	86.55	86.55	ppb	0.31	3600	
52 Cr	72	1	75.88	75.88	ppb	0.60	3600	
55 Mn	72	1	2,350.00	2350.00	ppb	0.84	18000	
59 Co	72	1	29.57	29.57	ppb	0.92	3600	
60 Ni	72	1	72.76	72.76	ppb	1.17	3600	
63 Cu	72	1	69.61	69.61	ppb	1.02	3600	
66 Zn	72	1	293.80	293.80	ppb	0.44	3600	
75 As	72	1	21.11	21.11	ppb	1.08	3600	
78 Se	72	1	3.24	3.24	ppb	12.15	3600	
95 Mo	72	1	1.72	1.72	ppb	4.47	3600	
107 Ag	115	1	0.87	0.87	ppb	5.76	3600	
111 Cd	115	1	5.34	5.34	ppb	6.79	3600	
118 Sn	115	1	0.75	0.75	ppb	8.04	3600	
121 Sb	115	1	0.13	0.13	ppb	1.60	3600	
137 Ba	115	1	852.40	852.40	ppb	1.30	3600	
205 Tl	165	1	0.95	0.95	ppb	0.55	3600	
208 Pb	165	1	65.96	65.96	ppb	1.36	3600	
232 Th	165	1	31.67	31.67	ppb	1.20	1000	
238 U	165	1	3.21	3.21	ppb	1.99	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	360491	0.81	439510	82.0	30 - 120	
45 Sc	1	873814	2.03	933106	93.6	30 - 120	
72 Ge	1	418334	0.27	470474	88.9	30 - 120	
115 In	1	1436204	0.66	1645880	87.3	30 - 120	
165 Ho	1	3375902	0.91	3654515	92.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\046SMPL.D\046SMPL.D#
Date Acquired: Aug 25 2011 10:46 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19386-a-8-e
Misc Info:
Vial Number: 2308
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	3.60	3.60	ppb	2.21	3600	
51 V	72	1	86.45	86.45	ppb	0.90	3600	
52 Cr	72	1	71.52	71.52	ppb	0.86	3600	
55 Mn	72	1	2,072.00	2072.00	ppb	1.23	18000	
59 Co	72	1	26.73	26.73	ppb	0.69	3600	
60 Ni	72	1	66.55	66.55	ppb	0.78	3600	
63 Cu	72	1	63.68	63.68	ppb	0.87	3600	
66 Zn	72	1	276.20	276.20	ppb	1.12	3600	
75 As	72	1	18.98	18.98	ppb	0.72	3600	
78 Se	72	1	3.53	3.53	ppb	15.43	3600	
95 Mo	72	1	2.06	2.06	ppb	4.84	3600	
107 Ag	115	1	0.70	0.70	ppb	4.19	3600	
111 Cd	115	1	4.79	4.79	ppb	8.06	3600	
118 Sn	115	1	0.74	0.74	ppb	3.36	3600	
121 Sb	115	1	0.15	0.15	ppb	3.72	3600	
137 Ba	115	1	766.30	766.30	ppb	2.65	3600	
205 Tl	165	1	0.88	0.88	ppb	1.02	3600	
208 Pb	165	1	58.06	58.06	ppb	0.56	3600	
232 Th	165	1	29.19	29.19	ppb	1.27	1000	
238 U	165	1	2.98	2.98	ppb	1.20	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	359007	0.66	439510	81.7	30 - 120	
45 Sc	1	870477	1.70	933106	93.3	30 - 120	
72 Ge	1	419792	0.60	470474	89.2	30 - 120	
115 In	1	1454469	1.40	1645880	88.4	30 - 120	
165 Ho	1	3367382	0.76	3654515	92.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\047SMPL.D\047SMPL.D#
Date Acquired: Aug 25 2011 10:49 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19386-a-9-e
Misc Info:
Vial Number: 2309
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	4.02	4.02	ppb	6.38	3600	
51 V	72	1	90.07	90.07	ppb	1.26	3600	
52 Cr	72	1	77.38	77.38	ppb	1.13	3600	
55 Mn	72	1	2,067.00	2067.00	ppb	1.13	18000	
59 Co	72	1	28.72	28.72	ppb	0.97	3600	
60 Ni	72	1	76.96	76.96	ppb	0.47	3600	
63 Cu	72	1	71.76	71.76	ppb	0.86	3600	
66 Zn	72	1	270.90	270.90	ppb	0.64	3600	
75 As	72	1	21.75	21.75	ppb	2.10	3600	
78 Se	72	1	3.70	3.70	ppb	30.17	3600	
95 Mo	72	1	1.77	1.77	ppb	1.45	3600	
107 Ag	115	1	0.79	0.79	ppb	4.21	3600	
111 Cd	115	1	4.58	4.58	ppb	7.96	3600	
118 Sn	115	1	0.74	0.74	ppb	5.41	3600	
121 Sb	115	1	0.15	0.15	ppb	6.80	3600	
137 Ba	115	1	854.90	854.90	ppb	1.03	3600	
205 Tl	165	1	0.95	0.95	ppb	1.53	3600	
208 Pb	165	1	62.21	62.21	ppb	1.67	3600	
232 Th	165	1	31.25	31.25	ppb	2.03	1000	
238 U	165	1	3.10	3.10	ppb	1.02	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	354719	1.51	439510	80.7	30 - 120	
45 Sc	1	876625	2.35	933106	93.9	30 - 120	
72 Ge	1	415485	0.44	470474	88.3	30 - 120	
115 In	1	1435902	0.89	1645880	87.2	30 - 120	
165 Ho	1	3312872	1.41	3654515	90.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\048_CCV.D\048_CCV.D#
Date Acquired: Aug 25 2011 10:52 pm
Operator: LRD
Sample Name: CCV-944128
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	51.81	ppb	4.30	50	103.6	90 - 110	
51 V	72	1	48.67	ppb	1.55	50	97.3	90 - 110	
52 Cr	72	1	48.46	ppb	1.02	50	96.9	90 - 110	
55 Mn	72	1	49.80	ppb	0.26	50	99.6	90 - 110	
59 Co	72	1	48.17	ppb	1.91	50	96.3	90 - 110	
60 Ni	72	1	49.62	ppb	1.00	50	99.2	90 - 110	
63 Cu	72	1	50.10	ppb	0.58	50	100.2	90 - 110	
66 Zn	72	1	49.24	ppb	0.95	50	98.5	90 - 110	
75 As	72	1	50.62	ppb	0.17	50	101.2	90 - 110	
78 Se	72	1	52.68	ppb	4.70	50	105.4	90 - 110	
95 Mo	72	1	50.56	ppb	1.13	50	101.1	90 - 110	
107 Ag	115	1	48.95	ppb	0.46	50	97.9	90 - 110	
111 Cd	115	1	49.12	ppb	1.90	50	98.2	90 - 110	
118 Sn	115	1	50.12	ppb	1.24	50	100.2	90 - 110	
121 Sb	115	1	49.66	ppb	1.07	50	99.3	90 - 110	
137 Ba	115	1	50.86	ppb	0.53	50	101.7	90 - 110	
205 Tl	165	1	51.34	ppb	1.78	50	102.7	90 - 110	
208 Pb	165	1	50.82	ppb	1.17	50	101.6	90 - 110	
232 Th	165	1	54.62	ppb	1.14	50	109.2	90 - 110	
238 U	165	1	54.68	ppb	1.98	50	109.4	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	389104	0.94	439510	88.5	30 - 120	
45 Sc	1	912271	2.15	933106	97.8	30 - 120	
72 Ge	1	459556	0.33	470474	97.7	30 - 120	
115 In	1	1629855	0.84	1645880	99.0	30 - 120	
165 Ho	1	3659995	1.14	3654515	100.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\049_CCB.D\049_CCB.D#
Date Acquired: Aug 25 2011 10:55 pm
Operator: LRD
Sample Name: CCB-944134
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.006	ppb	173.16	1.00	
51 V	72	1	0.026	ppb	87.16	1.00	
52 Cr	72	1	0.023	ppb	146.68	1.00	
55 Mn	72	1	0.259	ppb	2.16	1.00	
59 Co	72	1	0.016	ppb	12.87	1.00	
60 Ni	72	1	0.039	ppb	10.14	1.00	
63 Cu	72	1	0.042	ppb	15.32	1.00	
66 Zn	72	1	0.086	ppb	9.06	1.00	
75 As	72	1	0.015	ppb	112.43	1.00	
78 Se	72	1	0.104	ppb	47.95	1.00	
95 Mo	72	1	0.008	ppb	124.90	1.00	
107 Ag	115	1	0.023	ppb	14.55	1.00	
111 Cd	115	1	0.016	ppb	72.78	1.00	
118 Sn	115	1	0.044	ppb	19.79	1.00	
121 Sb	115	1	0.022	ppb	34.80	1.00	
137 Ba	115	1	0.110	ppb	7.47	1.00	
205 Tl	165	1	0.036	ppb	11.21	1.00	
208 Pb	165	1	0.030	ppb	5.70	1.00	
232 Th	165	1	0.029	ppb	8.77	1.00	
238 U	165	1	0.019	ppb	15.74	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	398006	0.78	439510	90.6	30 - 120	
45 Sc	1	915678	0.94	933106	98.1	30 - 120	
72 Ge	1	478035	0.61	470474	101.6	30 - 120	
115 In	1	1660495	1.01	1645880	100.9	30 - 120	
165 Ho	1	3694497	0.71	3654515	101.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\050WASH.D\050WASH.D#
Date Acquired: Aug 25 2011 10:58 pm
Operator: LRD
Sample Name: LLICV-944135
Misc Info:
Vial Number: 1204
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	1.129 ppb	13.22	1.30	
51 V	72	1	4.900 ppb	1.21	6.50	
52 Cr	72	1	2.169 ppb	1.88	2.60	
55 Mn	72	1	1.278 ppb	1.40	1.30	
59 Co	72	1	1.029 ppb	2.92	1.30	
60 Ni	72	1	2.124 ppb	2.91	2.60	
63 Cu	72	1	2.066 ppb	4.52	2.60	
66 Zn	72	1	10.030 ppb	1.47	13.00	
75 As	72	1	5.088 ppb	1.47	6.50	
78 Se	72	1	5.032 ppb	12.40	6.50	
95 Mo	72	1	2.012 ppb	3.05	2.60	
107 Ag	115	1	4.989 ppb	2.01	6.50	
111 Cd	115	1	1.016 ppb	6.30	1.30	
118 Sn	115	1	10.260 ppb	1.28	13.00	
121 Sb	115	1	2.031 ppb	2.37	2.60	
137 Ba	115	1	1.130 ppb	3.02	1.30	
205 Tl	165	1	1.114 ppb	1.23	1.30	
208 Pb	165	1	1.097 ppb	1.42	1.30	
232 Th	165	1	2.321 ppb	1.51	2.60	
238 U	165	1	1.125 ppb	1.03	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	400442	0.53	439510	91.1	30 - 120	
45 Sc	1	939801	1.43	933106	100.7	30 - 120	
72 Ge	1	480181	0.44	470474	102.1	30 - 120	
115 In	1	1677043	0.21	1645880	101.9	30 - 120	
165 Ho	1	3685344	1.25	3654515	100.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\051_BLK.D\051_BLK.D#
Date Acquired: Aug 25 2011 11:01 pm
Operator: LRD
Sample Name: mb 280-82831/1-a
Misc Info: BLANK 82831 SOIL BOEING
Vial Number: 2310
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.006 ppb	173.24	2.00	
51 V	72	1	0.006 ppb	476.25	2.00	
52 Cr	72	1	0.105 ppb	21.52	2.00	
55 Mn	72	1	0.298 ppb	16.59	2.00	
59 Co	72	1	0.010 ppb	16.58	2.00	
60 Ni	72	1	0.093 ppb	39.11	2.00	
63 Cu	72	1	0.149 ppb	10.11	2.00	
66 Zn	72	1	1.238 ppb	1.94	2.00	
75 As	72	1	-0.003 ppb	264.10	2.00	
78 Se	72	1	0.018 ppb	265.25	2.00	
95 Mo	72	1	0.017 ppb	66.61	2.00	
107 Ag	115	1	0.006 ppb	31.79	2.00	
111 Cd	115	1	0.017 ppb	38.49	2.00	
118 Sn	115	1	0.096 ppb	11.30	2.00	
121 Sb	115	1	0.008 ppb	47.92	2.00	
137 Ba	115	1	0.148 ppb	9.98	2.00	
205 Tl	165	1	0.024 ppb	9.49	2.00	
208 Pb	165	1	0.078 ppb	1.61	2.00	
232 Th	165	1	0.017 ppb	10.20	2.00	
238 U	165	1	0.017 ppb	6.03	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	402620	0.25	439510	91.6	30 - 120	
45 Sc	1	953571	1.05	933106	102.2	30 - 120	
72 Ge	1	482927	0.26	470474	102.6	30 - 120	
115 In	1	1683062	2.01	1645880	102.3	30 - 120	
165 Ho	1	3721812	0.25	3654515	101.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\052_LCS.D\052_LCS.D#
Date Acquired: Aug 25 2011 11:04 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: lcs 280-82831/2-a
Misc Info: LCS
Vial Number: 2311
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	42.36	2.88	40	105.9	80 - 120	
51 V	72	1	41.55	0.81	40	103.9	80 - 120	
52 Cr	72	1	41.59	0.45	40	104.0	80 - 120	
55 Mn	72	1	42.31	0.60	40	105.8	80 - 120	
59 Co	72	1	40.52	0.78	40	101.3	80 - 120	
60 Ni	72	1	42.22	0.81	40	105.6	80 - 120	
63 Cu	72	1	42.58	1.37	40	106.5	80 - 120	
66 Zn	72	1	40.51	0.76	40	101.3	80 - 120	
75 As	72	1	41.57	1.06	40	103.9	80 - 120	
78 Se	72	1	41.58	4.85	40	104.0	80 - 120	
95 Mo	72	1	41.21	1.09	40	103.0	80 - 120	
107 Ag	115	1	40.69	1.11	40	101.7	80 - 120	
111 Cd	115	1	40.12	0.63	40	100.3	80 - 120	
118 Sn	115	1	40.09	1.01	40	100.2	80 - 120	
121 Sb	115	1	39.78	0.90	40	99.5	80 - 120	
137 Ba	115	1	41.99	0.60	40	105.0	80 - 120	
205 Tl	165	1	43.92	2.23	40	109.8	80 - 120	
208 Pb	165	1	43.29	2.06	40	108.2	80 - 120	
232 Th	165	1	44.09	1.48	40	110.2	80 - 120	
238 U	165	1	45.75	1.31	40	114.4	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	397413	0.45	439510	90.4	30 - 120	
45 Sc	1	936919	0.79	933106	100.4	30 - 120	
72 Ge	1	473147	0.94	470474	100.6	30 - 120	
115 In	1	1686961	0.79	1645880	102.5	30 - 120	
165 Ho	1	3699691	1.42	3654515	101.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Labratory Control Spike Duplicate Sample (LCSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\053LCSD.D\053LCSD.D#
Date Acquired: Aug 25 2011 11:06 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: lcsd 280-82831/3-a
Misc Info: LCSD
Vial Number: 2312
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: LCSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG082511.B\052_LCS.D\052_LCS.D#

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	Ref Conc	(%)Dif	Max(%)Dif	Flag
9 Be	6	1	44.37 ppb	2.62	42.36	4.64	2000	
51 V	72	1	43.59 ppb	0.68	41.55	4.79	2000	
52 Cr	72	1	44.29 ppb	0.90	41.59	6.29	2000	
55 Mn	72	1	44.93 ppb	1.34	42.31	6.01	2000	
59 Co	72	1	43.04 ppb	1.33	40.52	6.03	2000	
60 Ni	72	1	44.51 ppb	1.35	42.22	5.28	2000	
63 Cu	72	1	45.30 ppb	1.11	42.58	6.19	2000	
66 Zn	72	1	42.53 ppb	0.97	40.51	4.87	2000	
75 As	72	1	44.09 ppb	1.03	41.57	5.88	2000	
78 Se	72	1	44.45 ppb	5.34	41.58	6.67	2000	
95 Mo	72	1	43.55 ppb	1.15	41.21	5.52	2000	
107 Ag	115	1	43.32 ppb	2.67	40.69	6.26	2000	
111 Cd	115	1	43.02 ppb	1.59	40.12	6.98	2000	
118 Sn	115	1	42.55 ppb	0.26	40.09	5.95	2000	
121 Sb	115	1	42.04 ppb	0.49	39.78	5.52	2000	
137 Ba	115	1	44.88 ppb	1.68	41.99	6.65	2000	
205 Tl	165	1	46.23 ppb	0.78	43.92	5.12	2000	
208 Pb	165	1	45.73 ppb	0.21	43.29	5.48	2000	
232 Th	165	1	46.82 ppb	0.37	44.09	6.01	2000	
238 U	165	1	48.27 ppb	1.92	45.75	5.36	2000	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	396816	0.84	439510	90.3	30 - 120	
45 Sc	1	941109	0.58	933106	100.9	30 - 120	
72 Ge	1	468393	0.64	470474	99.6	30 - 120	
115 In	1	1653995	0.93	1645880	100.5	30 - 120	
165 Ho	1	3667748	0.37	3654515	100.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\054SMPL.D\054SMPL.D#
Date Acquired: Aug 25 2011 11:09 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19413-a-3-h
Misc Info:
Vial Number: 2401
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.01	1.01	ppb	7.88	3600	
51 V	72	1	67.96	67.96	ppb	1.32	3600	
52 Cr	72	1	38.48	38.48	ppb	2.03	3600	
55 Mn	72	1	336.20	336.20	ppb	2.13	18000	
59 Co	72	1	7.85	7.85	ppb	0.61	3600	
60 Ni	72	1	22.50	22.50	ppb	0.86	3600	
63 Cu	72	1	19.49	19.49	ppb	1.28	3600	
66 Zn	72	1	1,752.00	1752.00	ppb	0.99	3600	
75 As	72	1	27.26	27.26	ppb	2.08	3600	
78 Se	72	1	1.71	1.71	ppb	21.45	3600	
95 Mo	72	1	1.25	1.25	ppb	2.80	3600	
107 Ag	115	1	0.20	0.20	ppb	2.53	3600	
111 Cd	115	1	1.73	1.73	ppb	7.03	3600	
118 Sn	115	1	0.92	0.92	ppb	2.53	3600	
121 Sb	115	1	0.06	0.06	ppb	10.97	3600	
137 Ba	115	1	65.32	65.32	ppb	0.56	3600	
205 Tl	165	1	0.72	0.72	ppb	3.44	3600	
208 Pb	165	1	40.74	40.74	ppb	0.42	3600	
232 Th	165	1	19.68	19.68	ppb	0.47	1000	
238 U	165	1	6.08	6.08	ppb	0.70	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	386612	0.78	439510	88.0	30 - 120	
45 Sc	1	941201	1.27	933106	100.9	30 - 120	
72 Ge	1	461212	0.89	470474	98.0	30 - 120	
115 In	1	1564709	1.22	1645880	95.1	30 - 120	
165 Ho	1	3556002	0.25	3654515	97.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\055SDIL.D\055SDIL.D#
Date Acquired: Aug 25 2011 11:12 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19413-a-3-h SD@5
Misc Info: SERIAL DILUTION
Vial Number: 2402
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SDIL
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG082511.B\034AREF.D\034AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	0.21	ppb	8.82	0.61	34.9	90 - 110	
51 V	72	1	14.05	ppb	1.35	16.24	86.5	90 - 110	
52 Cr	72	1	7.99	ppb	1.05	13.41	59.6	90 - 110	
55 Mn	72	1	68.00	ppb	0.41	381.60	17.8	90 - 110	
59 Co	72	1	1.65	ppb	1.43	5.04	32.8	90 - 110	
60 Ni	72	1	4.66	ppb	1.06	12.72	36.6	90 - 110	
63 Cu	72	1	4.20	ppb	0.58	12.16	34.5	90 - 110	
66 Zn	72	1	367.30	ppb	0.63	49.80	737.6	90 - 110	
75 As	72	1	5.71	ppb	1.24	3.63	157.2	90 - 110	
78 Se	72	1	0.52	ppb	71.94	0.66	78.3	90 - 110	
95 Mo	72	1	0.26	ppb	24.71	0.32	80.2	90 - 110	
107 Ag	115	1	0.04	ppb	21.31	0.14	32.7	90 - 110	
111 Cd	115	1	0.32	ppb	17.72	0.97	32.9	90 - 110	
118 Sn	115	1	0.21	ppb	12.60	0.13	157.8	90 - 110	
121 Sb	115	1	0.02	ppb	32.72	0.03	68.1	90 - 110	
137 Ba	115	1	13.29	ppb	2.00	145.86	9.1	90 - 110	
205 Tl	165	1	0.15	ppb	3.35	0.16	95.3	90 - 110	
208 Pb	165	1	8.36	ppb	1.16	11.07	75.5	90 - 110	
232 Th	165	1	3.98	ppb	0.56	5.25	75.8	90 - 110	
238 U	165	1	1.22	ppb	0.49	0.56	217.8	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	404374	0.51	439510	92.0	30 - 120	
45 Sc	1	945803	1.13	933106	101.4	30 - 120	
72 Ge	1	475756	0.19	470474	101.1	30 - 120	
115 In	1	1653401	0.87	1645880	100.5	30 - 120	
165 Ho	1	3698596	0.80	3654515	101.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\056PDS.D\056PDS.D#
Date Acquired: Aug 25 2011 11:15 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19413-a-3-h PDS
Misc Info: POST DIGESTION SPIKE
Vial Number: 2403
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: PDS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	206.50	3.04	ppb	1.67	200	101.7	75 - 125	
51 V	72	1	269.30	81.22	ppb	1.22	200	95.8	75 - 125	
52 Cr	72	1	237.80	67.03	ppb	2.33	200	89.1	75 - 125	
55 Mn	72	1	525.00	1908.00	ppb	1.23	200	24.9	75 - 125	
59 Co	72	1	199.50	25.18	ppb	0.68	200	88.6	75 - 125	
60 Ni	72	1	207.40	63.62	ppb	0.61	200	78.7	75 - 125	
63 Cu	72	1	207.50	60.78	ppb	0.27	200	79.6	75 - 125	
66 Zn	72	1	1908.00	249.00	ppb	1.32	200	424.9	75 - 125	
75 As	72	1	220.70	18.15	ppb	0.64	200	101.2	75 - 125	
78 Se	72	1	196.20	3.31	ppb	2.32	200	96.5	75 - 125	
95 Mo	72	1	201.10	1.61	ppb	1.92	200	99.7	75 - 125	
107 Ag	115	1	48.34	0.68	ppb	0.74	50	95.4	75 - 125	
111 Cd	115	1	198.20	4.86	ppb	1.05	200	96.7	75 - 125	
118 Sn	115	1	202.10	0.67	ppb	1.53	200	100.7	75 - 125	
121 Sb	115	1	201.90	0.14	ppb	2.06	200	100.9	75 - 125	
137 Ba	115	1	269.60	729.30	ppb	0.80	200	29.0	75 - 125	
205 Tl	165	1	200.90	0.81	ppb	1.32	200	100.0	75 - 125	
208 Pb	165	1	241.50	55.33	ppb	1.45	200	94.6	75 - 125	
232 Th	165	1	19.27	26.23	ppb	1.09	200	8.5	75 - 125	
238 U	165	1	217.20	2.80	ppb	2.87	200	107.1	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	382864	1.61	439510	87.1	30 - 120	
45 Sc	1	921225	1.63	933106	98.7	30 - 120	
72 Ge	1	447748	0.93	470474	95.2	30 - 120	
115 In	1	1530170	1.24	1645880	93.0	30 - 120	
165 Ho	1	3518592	1.25	3654515	96.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\057_CCV.D\057_CCV.D#
Date Acquired: Aug 25 2011 11:18 pm
Operator: LRD
Sample Name: CCV-944128
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	50.53	ppb	1.49	50	101.1	90 - 110	
51 V	72	1	49.01	ppb	0.50	50	98.0	90 - 110	
52 Cr	72	1	48.98	ppb	1.29	50	98.0	90 - 110	
55 Mn	72	1	49.84	ppb	0.39	50	99.7	90 - 110	
59 Co	72	1	48.09	ppb	0.29	50	96.2	90 - 110	
60 Ni	72	1	49.48	ppb	0.87	50	99.0	90 - 110	
63 Cu	72	1	49.71	ppb	1.73	50	99.4	90 - 110	
66 Zn	72	1	49.45	ppb	1.16	50	98.9	90 - 110	
75 As	72	1	50.16	ppb	1.25	50	100.3	90 - 110	
78 Se	72	1	50.74	ppb	4.67	50	101.5	90 - 110	
95 Mo	72	1	50.37	ppb	0.77	50	100.7	90 - 110	
107 Ag	115	1	48.80	ppb	0.28	50	97.6	90 - 110	
111 Cd	115	1	49.30	ppb	1.43	50	98.6	90 - 110	
118 Sn	115	1	49.85	ppb	0.87	50	99.7	90 - 110	
121 Sb	115	1	49.52	ppb	0.28	50	99.0	90 - 110	
137 Ba	115	1	50.18	ppb	0.15	50	100.4	90 - 110	
205 Tl	165	1	52.78	ppb	1.34	50	105.6	90 - 110	
208 Pb	165	1	51.38	ppb	0.66	50	102.8	90 - 110	
232 Th	165	1	54.33	ppb	2.30	50	108.7	90 - 110	
238 U	165	1	53.26	ppb	0.95	50	106.5	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	397225	0.98	439510	90.4	30 - 120	
45 Sc	1	933283	0.57	933106	100.0	30 - 120	
72 Ge	1	470167	0.60	470474	99.9	30 - 120	
115 In	1	1652750	0.28	1645880	100.4	30 - 120	
165 Ho	1	3661843	0.42	3654515	100.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\058_CCB.D\058_CCB.D#
Date Acquired: Aug 25 2011 11:21 pm
Operator: LRD
Sample Name: CCB-944134
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.024	ppb	44.68	1.00	
51 V	72	1	0.030	ppb	32.50	1.00	
52 Cr	72	1	0.027	ppb	61.74	1.00	
55 Mn	72	1	0.168	ppb	2.74	1.00	
59 Co	72	1	0.020	ppb	35.69	1.00	
60 Ni	72	1	0.026	ppb	31.36	1.00	
63 Cu	72	1	0.040	ppb	2.55	1.00	
66 Zn	72	1	0.170	ppb	24.72	1.00	
75 As	72	1	0.026	ppb	70.64	1.00	
78 Se	72	1	-0.199	ppb	81.62	1.00	
95 Mo	72	1	0.033	ppb	54.41	1.00	
107 Ag	115	1	0.029	ppb	28.05	1.00	
111 Cd	115	1	0.018	ppb	18.86	1.00	
118 Sn	115	1	0.037	ppb	10.93	1.00	
121 Sb	115	1	0.031	ppb	14.47	1.00	
137 Ba	115	1	0.074	ppb	11.36	1.00	
205 Tl	165	1	0.045	ppb	15.11	1.00	
208 Pb	165	1	0.033	ppb	14.14	1.00	
232 Th	165	1	0.031	ppb	18.64	1.00	
238 U	165	1	0.028	ppb	6.21	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	405098	1.44	439510	92.2	30 - 120	
45 Sc	1	943039	1.43	933106	101.1	30 - 120	
72 Ge	1	485886	0.65	470474	103.3	30 - 120	
115 In	1	1678325	0.25	1645880	102.0	30 - 120	
165 Ho	1	3704734	0.78	3654515	101.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\059_BLK.D\059_BLK.D#
Date Acquired: Aug 25 2011 11:24 pm
Operator: LRD
Sample Name: mb 280-82829/1-a
Misc Info: BLANK 82829 SOIL DODV3
Vial Number: 2404
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.017 ppb	99.71	2.00	
51 V	72	1	0.005 ppb	259.11	2.00	
52 Cr	72	1	0.127 ppb	2.65	2.00	
55 Mn	72	1	0.225 ppb	12.85	2.00	
59 Co	72	1	0.024 ppb	7.45	2.00	
60 Ni	72	1	0.100 ppb	30.43	2.00	
63 Cu	72	1	0.138 ppb	7.65	2.00	
66 Zn	72	1	0.677 ppb	6.04	2.00	
75 As	72	1	0.019 ppb	49.41	2.00	
78 Se	72	1	-0.011 ppb	1482.40	2.00	
95 Mo	72	1	0.009 ppb	153.95	2.00	
107 Ag	115	1	0.017 ppb	99.28	2.00	
111 Cd	115	1	0.011 ppb	31.00	2.00	
118 Sn	115	1	0.080 ppb	25.19	2.00	
121 Sb	115	1	0.016 ppb	14.49	2.00	
137 Ba	115	1	0.137 ppb	7.70	2.00	
205 Tl	165	1	0.032 ppb	9.67	2.00	
208 Pb	165	1	0.049 ppb	4.64	2.00	
232 Th	165	1	0.015 ppb	4.98	2.00	
238 U	165	1	0.020 ppb	1.79	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	411024	0.48	439510	93.5	30 - 120	
45 Sc	1	958933	1.33	933106	102.8	30 - 120	
72 Ge	1	485710	0.08	470474	103.2	30 - 120	
115 In	1	1684761	0.76	1645880	102.4	30 - 120	
165 Ho	1	3757996	1.08	3654515	102.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\060_LCS.D\060_LCS.D#
Date Acquired: Aug 25 2011 11:27 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: lcs 280-82829/2-a
Misc Info: LCS
Vial Number: 2405
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	38.76	2.79	40	96.9	80 - 120	
51 V	72	1	39.32	1.78	40	98.3	80 - 120	
52 Cr	72	1	39.34	1.69	40	98.4	80 - 120	
55 Mn	72	1	39.90	1.18	40	99.8	80 - 120	
59 Co	72	1	38.24	1.85	40	95.6	80 - 120	
60 Ni	72	1	39.92	0.25	40	99.8	80 - 120	
63 Cu	72	1	40.32	1.44	40	100.8	80 - 120	
66 Zn	72	1	38.34	0.29	40	95.9	80 - 120	
75 As	72	1	38.88	0.63	40	97.2	80 - 120	
78 Se	72	1	37.22	5.66	40	93.1	80 - 120	
95 Mo	72	1	40.54	0.73	40	101.4	80 - 120	
107 Ag	115	1	38.87	1.69	40	97.2	80 - 120	
111 Cd	115	1	38.70	2.23	40	96.8	80 - 120	
118 Sn	115	1	38.81	2.82	40	97.0	80 - 120	
121 Sb	115	1	38.60	1.93	40	96.5	80 - 120	
137 Ba	115	1	39.77	1.09	40	99.4	80 - 120	
205 Tl	165	1	40.93	0.73	40	102.3	80 - 120	
208 Pb	165	1	40.05	0.73	40	100.1	80 - 120	
232 Th	165	1	41.30	0.99	40	103.3	80 - 120	
238 U	165	1	42.11	0.68	40	105.3	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	408063	0.37	439510	92.8	30 - 120	
45 Sc	1	959665	1.23	933106	102.8	30 - 120	
72 Ge	1	479162	0.74	470474	101.8	30 - 120	
115 In	1	1687980	1.75	1645880	102.6	30 - 120	
165 Ho	1	3748680	0.84	3654515	102.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\061SMPL.D\061SMPL.D#
Date Acquired: Aug 25 2011 11:30 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19387-b-1-f
Misc Info:
Vial Number: 2406
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	3.02	3.02	ppb	10.13	3600	
51 V	72	1	66.56	66.56	ppb	1.45	3600	
52 Cr	72	1	57.09	57.09	ppb	1.26	3600	
55 Mn	72	1	1,261.00	1261.00	ppb	1.27	18000	
59 Co	72	1	19.57	19.57	ppb	0.85	3600	
60 Ni	72	1	52.35	52.35	ppb	0.25	3600	
63 Cu	72	1	57.65	57.65	ppb	0.51	3600	
66 Zn	72	1	250.40	250.40	ppb	0.86	3600	
75 As	72	1	14.85	14.85	ppb	2.13	3600	
78 Se	72	1	2.33	2.33	ppb	30.06	3600	
95 Mo	72	1	1.06	1.06	ppb	0.45	3600	
107 Ag	115	1	0.69	0.69	ppb	5.27	3600	
111 Cd	115	1	4.27	4.27	ppb	8.29	3600	
118 Sn	115	1	0.73	0.73	ppb	6.12	3600	
121 Sb	115	1	0.09	0.09	ppb	1.43	3600	
137 Ba	115	1	571.60	571.60	ppb	2.12	3600	
205 Tl	165	1	0.90	0.90	ppb	0.34	3600	
208 Pb	165	1	48.19	48.19	ppb	0.92	3600	
232 Th	165	1	20.99	20.99	ppb	1.62	1000	
238 U	165	1	2.03	2.03	ppb	0.70	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	358654	0.97	439510	81.6	30 - 120	
45 Sc	1	896818	0.81	933106	96.1	30 - 120	
72 Ge	1	432587	0.65	470474	91.9	30 - 120	
115 In	1	1481958	0.69	1645880	90.0	30 - 120	
165 Ho	1	3387903	0.82	3654515	92.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\062SMPL.D\062SMPL.D#
Date Acquired: Aug 25 2011 11:33 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19387-b-2-h
Misc Info:
Vial Number: 2407
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	3.28	3.28	ppb	5.15	3600	
51 V	72	1	68.89	68.89	ppb	1.12	3600	
52 Cr	72	1	57.67	57.67	ppb	1.32	3600	
55 Mn	72	1	1,315.00	1315.00	ppb	1.99	18000	
59 Co	72	1	19.96	19.96	ppb	0.98	3600	
60 Ni	72	1	52.68	52.68	ppb	1.49	3600	
63 Cu	72	1	56.70	56.70	ppb	0.22	3600	
66 Zn	72	1	249.90	249.90	ppb	0.73	3600	
75 As	72	1	14.63	14.63	ppb	0.22	3600	
78 Se	72	1	2.57	2.57	ppb	27.71	3600	
95 Mo	72	1	0.98	0.98	ppb	10.55	3600	
107 Ag	115	1	0.67	0.67	ppb	2.81	3600	
111 Cd	115	1	4.12	4.12	ppb	4.38	3600	
118 Sn	115	1	0.77	0.77	ppb	2.79	3600	
121 Sb	115	1	0.08	0.08	ppb	3.20	3600	
137 Ba	115	1	591.90	591.90	ppb	2.46	3600	
205 Tl	165	1	0.84	0.84	ppb	1.28	3600	
208 Pb	165	1	47.24	47.24	ppb	0.74	3600	
232 Th	165	1	20.75	20.75	ppb	0.58	1000	
238 U	165	1	2.10	2.10	ppb	0.36	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	359731	0.77	439510	81.8	30 - 120	
45 Sc	1	894322	0.95	933106	95.8	30 - 120	
72 Ge	1	432230	0.54	470474	91.9	30 - 120	
115 In	1	1468411	0.97	1645880	89.2	30 - 120	
165 Ho	1	3401004	0.50	3654515	93.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\063AREF.D\063AREF.D#
Date Acquired: Aug 25 2011 11:35 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19387-e-3-l
Misc Info:
Vial Number: 2408
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	2.14	2.14	ppb	9.54	3600	
51 V	72	1	52.79	52.79	ppb	1.42	3600	
52 Cr	72	1	42.94	42.94	ppb	2.44	3600	
55 Mn	72	1	1,140.00	1140.00	ppb	1.87	18000	
59 Co	72	1	15.28	15.28	ppb	1.12	3600	
60 Ni	72	1	40.28	40.28	ppb	2.11	3600	
63 Cu	72	1	41.74	41.74	ppb	0.43	3600	
66 Zn	72	1	160.90	160.90	ppb	1.12	3600	
75 As	72	1	12.21	12.21	ppb	2.39	3600	
78 Se	72	1	1.93	1.93	ppb	18.83	3600	
95 Mo	72	1	1.02	1.02	ppb	7.22	3600	
107 Ag	115	1	0.49	0.49	ppb	5.84	3600	
111 Cd	115	1	2.85	2.85	ppb	11.05	3600	
118 Sn	115	1	0.53	0.53	ppb	6.70	3600	
121 Sb	115	1	0.10	0.10	ppb	5.67	3600	
137 Ba	115	1	427.70	427.70	ppb	1.08	3600	
205 Tl	165	1	0.56	0.56	ppb	1.27	3600	
208 Pb	165	1	36.71	36.71	ppb	0.67	3600	
232 Th	165	1	16.47	16.47	ppb	1.26	1000	
238 U	165	1	1.56	1.56	ppb	0.55	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	368822	0.43	439510	83.9	30 - 120	
45 Sc	1	896601	1.11	933106	96.1	30 - 120	
72 Ge	1	439710	1.08	470474	93.5	30 - 120	
115 In	1	1525763	1.25	1645880	92.7	30 - 120	
165 Ho	1	3459082	0.87	3654515	94.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\064SDIL.D\064SDIL.D#
Date Acquired: Aug 25 2011 11:38 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19387-e-3-l SD@5
Misc Info: SERIAL DILUTION
Vial Number: 2409
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SDIL
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG082511.B\063AREF.D\063AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	0.39	ppb	9.60	0.43	91.1	90 - 110	
51 V	72	1	10.53	ppb	2.39	10.56	99.7	90 - 110	
52 Cr	72	1	8.55	ppb	2.03	8.59	99.5	90 - 110	
55 Mn	72	1	235.00	ppb	1.47	228.00	103.1	90 - 110	
59 Co	72	1	3.13	ppb	3.03	3.06	102.4	90 - 110	
60 Ni	72	1	8.28	ppb	1.20	8.06	102.8	90 - 110	
63 Cu	72	1	8.75	ppb	0.39	8.35	104.8	90 - 110	
66 Zn	72	1	32.72	ppb	0.19	32.18	101.7	90 - 110	
75 As	72	1	2.56	ppb	3.97	2.44	105.0	90 - 110	
78 Se	72	1	0.68	ppb	73.83	0.39	175.0	90 - 110	
95 Mo	72	1	0.22	ppb	4.24	0.20	105.7	90 - 110	
107 Ag	115	1	0.10	ppb	3.99	0.10	104.7	90 - 110	
111 Cd	115	1	0.56	ppb	5.17	0.57	97.4	90 - 110	
118 Sn	115	1	0.14	ppb	22.33	0.11	130.4	90 - 110	
121 Sb	115	1	0.02	ppb	13.59	0.02	113.3	90 - 110	
137 Ba	115	1	84.68	ppb	0.68	85.54	99.0	90 - 110	
205 Tl	165	1	0.11	ppb	2.83	0.11	102.0	90 - 110	
208 Pb	165	1	7.40	ppb	1.15	7.34	100.7	90 - 110	
232 Th	165	1	3.27	ppb	1.05	3.29	99.1	90 - 110	
238 U	165	1	0.31	ppb	3.78	0.31	98.8	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	390089	0.55	439510	88.8	30 - 120	
45 Sc	1	924201	0.66	933106	99.0	30 - 120	
72 Ge	1	467546	0.56	470474	99.4	30 - 120	
115 In	1	1631839	0.47	1645880	99.1	30 - 120	
165 Ho	1	3649091	0.41	3654515	99.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\065PDS.D\065PDS.D#
Date Acquired: Aug 25 2011 11:41 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19387-e-3-l PDS
Misc Info: POST DIGESTION SPIKE
Vial Number: 2410
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: PDS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	203.70	2.14	ppb	1.47	200	100.8	75 - 125	
51 V	72	1	250.50	52.79	ppb	1.70	200	99.1	75 - 125	
52 Cr	72	1	237.50	42.94	ppb	2.35	200	97.8	75 - 125	
55 Mn	72	1	1289.00	1140.00	ppb	1.85	200	96.2	75 - 125	
59 Co	72	1	203.00	15.28	ppb	1.81	200	94.3	75 - 125	
60 Ni	72	1	222.80	40.28	ppb	1.04	200	92.7	75 - 125	
63 Cu	72	1	224.80	41.74	ppb	1.26	200	93.0	75 - 125	
66 Zn	72	1	338.20	160.90	ppb	0.62	200	93.7	75 - 125	
75 As	72	1	206.40	12.21	ppb	0.72	200	97.3	75 - 125	
78 Se	72	1	194.60	1.93	ppb	0.97	200	96.4	75 - 125	
95 Mo	72	1	199.20	1.02	ppb	0.68	200	99.1	75 - 125	
107 Ag	115	1	46.47	0.49	ppb	0.31	50	92.0	75 - 125	
111 Cd	115	1	194.20	2.85	ppb	0.19	200	95.7	75 - 125	
118 Sn	115	1	195.20	0.53	ppb	0.70	200	97.3	75 - 125	
121 Sb	115	1	194.10	0.10	ppb	0.16	200	97.0	75 - 125	
137 Ba	115	1	635.00	427.70	ppb	1.33	200	101.2	75 - 125	
205 Tl	165	1	199.70	0.56	ppb	0.39	200	99.6	75 - 125	
208 Pb	165	1	235.00	36.71	ppb	0.74	200	99.3	75 - 125	
232 Th	165	1	15.80	16.47	ppb	0.30	200	7.3	75 - 125	
238 U	165	1	210.40	1.56	ppb	0.95	200	104.4	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	368593	0.26	439510	83.9	30 - 120	
45 Sc	1	905642	0.70	933106	97.1	30 - 120	
72 Ge	1	439336	0.61	470474	93.4	30 - 120	
115 In	1	1536171	0.03	1645880	93.3	30 - 120	
165 Ho	1	3455009	0.52	3654515	94.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\066_MS.D\066_MS.D#
Date Acquired: Aug 25 2011 11:44 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19387-e-3-m ms
Misc Info: MATRIX SPIKE
Vial Number: 2411
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	43.44	2.14	ppb	3.04	40	103.1	50 - 150	
51 V	72	1	93.14	52.79	ppb	1.07	40	100.4	50 - 150	
52 Cr	72	1	82.77	42.94	ppb	0.69	40	99.8	50 - 150	
55 Mn	72	1	1213.00	1140.00	ppb	1.85	40	102.8	50 - 150	
59 Co	72	1	52.48	15.28	ppb	1.23	40	94.9	50 - 150	
60 Ni	72	1	79.04	40.28	ppb	2.02	40	98.5	50 - 150	
63 Cu	72	1	79.61	41.74	ppb	1.20	40	97.4	50 - 150	
66 Zn	72	1	200.10	160.90	ppb	0.89	40	99.6	50 - 150	
75 As	72	1	50.45	12.21	ppb	0.91	40	96.6	50 - 150	
78 Se	72	1	39.22	1.93	ppb	11.12	40	93.5	50 - 150	
95 Mo	72	1	30.14	1.02	ppb	1.48	40	73.5	50 - 150	
107 Ag	115	1	36.92	0.49	ppb	1.18	40	91.2	50 - 150	
111 Cd	115	1	41.84	2.85	ppb	1.47	40	97.6	50 - 150	
118 Sn	115	1	11.13	0.53	ppb	2.35	40	27.5	50 - 150	
121 Sb	115	1	1.94	0.10	ppb	0.93	40	4.8	50 - 150	
137 Ba	115	1	487.40	427.70	ppb	2.90	40	104.2	50 - 150	
205 Tl	165	1	40.87	0.56	ppb	1.10	40	100.8	50 - 150	
208 Pb	165	1	77.01	36.71	ppb	1.24	40	100.4	50 - 150	
232 Th	165	1	59.25	16.47	ppb	0.69	40	104.9	50 - 150	
238 U	165	1	45.08	1.56	ppb	1.73	40	108.5	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	371508	0.34	439510	84.5	30 - 120	
45 Sc	1	908387	0.77	933106	97.4	30 - 120	
72 Ge	1	441204	0.65	470474	93.8	30 - 120	
115 In	1	1531275	1.42	1645880	93.0	30 - 120	
165 Ho	1	3496989	0.30	3654515	95.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\067_MSD.D\067_MSD.D#
Date Acquired: Aug 25 2011 11:47 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19387-e-3-n msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 2412
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG082511.B\066_MS.D\066_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	41.51	ppb	2.45	43.44	4.54	20	
51 V	72	1	85.64	ppb	1.33	93.14	8.39	20	
52 Cr	72	1	77.16	ppb	1.22	82.77	7.02	20	
55 Mn	72	1	1129.00	ppb	0.79	1213.00	7.17	20	
59 Co	72	1	50.49	ppb	0.38	52.48	3.87	20	
60 Ni	72	1	75.49	ppb	1.39	79.04	4.59	20	
63 Cu	72	1	75.56	ppb	0.58	79.61	5.22	20	
66 Zn	72	1	187.70	ppb	0.64	200.10	6.40	20	
75 As	72	1	48.11	ppb	1.30	50.45	4.75	20	
78 Se	72	1	38.15	ppb	1.40	39.22	2.77	20	
95 Mo	72	1	28.14	ppb	1.40	30.14	6.86	20	
107 Ag	115	1	35.04	ppb	0.36	36.92	5.23	20	
111 Cd	115	1	39.78	ppb	0.25	41.84	5.05	20	
118 Sn	115	1	9.69	ppb	0.51	11.13	13.83	20	
121 Sb	115	1	1.78	ppb	2.87	1.94	8.72	20	
137 Ba	115	1	443.00	ppb	0.55	487.40	9.54	20	
205 Tl	165	1	39.17	ppb	0.56	40.87	4.25	20	
208 Pb	165	1	72.87	ppb	0.45	77.01	5.52	20	
232 Th	165	1	56.16	ppb	0.95	59.25	5.35	20	
238 U	165	1	43.14	ppb	1.40	45.08	4.40	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	370911	2.17	439510	84.4	30 - 120	
45 Sc	1	906889	0.20	933106	97.2	30 - 120	
72 Ge	1	439277	0.75	470474	93.4	30 - 120	
115 In	1	1547292	0.24	1645880	94.0	30 - 120	
165 Ho	1	3493961	0.21	3654515	95.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\068_CCV.D\068_CCV.D#
Date Acquired: Aug 25 2011 11:50 pm
Operator: LRD
Sample Name: CCV-944128
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	50.44	ppb	3.83	50	100.9	90 - 110	
51 V	72	1	49.55	ppb	1.53	50	99.1	90 - 110	
52 Cr	72	1	48.91	ppb	1.24	50	97.8	90 - 110	
55 Mn	72	1	49.86	ppb	0.69	50	99.7	90 - 110	
59 Co	72	1	47.84	ppb	0.37	50	95.7	90 - 110	
60 Ni	72	1	49.34	ppb	0.62	50	98.7	90 - 110	
63 Cu	72	1	49.26	ppb	1.16	50	98.5	90 - 110	
66 Zn	72	1	49.04	ppb	0.17	50	98.1	90 - 110	
75 As	72	1	50.51	ppb	0.22	50	101.0	90 - 110	
78 Se	72	1	52.64	ppb	6.82	50	105.3	90 - 110	
95 Mo	72	1	50.49	ppb	0.64	50	101.0	90 - 110	
107 Ag	115	1	48.51	ppb	0.76	50	97.0	90 - 110	
111 Cd	115	1	49.14	ppb	1.31	50	98.3	90 - 110	
118 Sn	115	1	49.95	ppb	1.85	50	99.9	90 - 110	
121 Sb	115	1	49.22	ppb	0.94	50	98.4	90 - 110	
137 Ba	115	1	49.95	ppb	1.55	50	99.9	90 - 110	
205 Tl	165	1	52.10	ppb	0.61	50	104.2	90 - 110	
208 Pb	165	1	50.90	ppb	0.22	50	101.8	90 - 110	
232 Th	165	1	53.91	ppb	0.23	50	107.8	90 - 110	
238 U	165	1	53.10	ppb	0.95	50	106.2	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	397450	0.88	439510	90.4	30 - 120	
45 Sc	1	938217	1.24	933106	100.5	30 - 120	
72 Ge	1	474530	0.08	470474	100.9	30 - 120	
115 In	1	1684153	0.65	1645880	102.3	30 - 120	
165 Ho	1	3692101	0.60	3654515	101.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\069_CCB.D\069_CCB.D#
Date Acquired: Aug 25 2011 11:53 pm
Operator: LRD
Sample Name: CCB-944134
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.006	ppb	173.18	1.00	
51 V	72	1	0.041	ppb	23.88	1.00	
52 Cr	72	1	0.022	ppb	108.60	1.00	
55 Mn	72	1	0.168	ppb	11.82	1.00	
59 Co	72	1	0.020	ppb	7.39	1.00	
60 Ni	72	1	0.024	ppb	25.07	1.00	
63 Cu	72	1	0.053	ppb	46.01	1.00	
66 Zn	72	1	0.105	ppb	13.28	1.00	
75 As	72	1	0.014	ppb	140.74	1.00	
78 Se	72	1	-0.092	ppb	50.36	1.00	
95 Mo	72	1	-0.002	ppb	1065.10	1.00	
107 Ag	115	1	0.021	ppb	26.88	1.00	
111 Cd	115	1	0.027	ppb	30.95	1.00	
118 Sn	115	1	0.036	ppb	22.89	1.00	
121 Sb	115	1	0.019	ppb	26.20	1.00	
137 Ba	115	1	0.087	ppb	4.77	1.00	
205 Tl	165	1	0.040	ppb	17.08	1.00	
208 Pb	165	1	0.028	ppb	15.20	1.00	
232 Th	165	1	0.032	ppb	13.74	1.00	
238 U	165	1	0.022	ppb	4.67	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	404000	0.99	439510	91.9	30 - 120	
45 Sc	1	947236	1.30	933106	101.5	30 - 120	
72 Ge	1	486431	0.34	470474	103.4	30 - 120	
115 In	1	1663405	0.21	1645880	101.1	30 - 120	
165 Ho	1	3748165	0.91	3654515	102.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\070_BLK.D\070_BLK.D#
Date Acquired: Aug 25 2011 11:56 pm
Operator: LRD
Sample Name: mb 280-82957/1-a
Misc Info: BLANK 82957 200.8
Vial Number: 2501
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.011 ppb	173.29	2.00	
51 V	72	1	0.001 ppb	11870.00	2.00	
52 Cr	72	1	0.127 ppb	16.71	2.00	
55 Mn	72	1	0.157 ppb	13.56	2.00	
59 Co	72	1	0.005 ppb	21.92	2.00	
60 Ni	72	1	0.032 ppb	56.94	2.00	
63 Cu	72	1	0.108 ppb	13.35	2.00	
66 Zn	72	1	0.517 ppb	4.19	2.00	
75 As	72	1	0.341 ppb	1.55	2.00	
78 Se	72	1	-0.056 ppb	297.86	2.00	
95 Mo	72	1	-0.006 ppb	42.93	2.00	
107 Ag	115	1	0.024 ppb	28.37	2.00	
111 Cd	115	1	0.020 ppb	81.03	2.00	
118 Sn	115	1	0.104 ppb	9.07	2.00	
121 Sb	115	1	0.030 ppb	23.83	2.00	
137 Ba	115	1	0.209 ppb	8.09	2.00	
205 Tl	165	1	0.094 ppb	33.38	2.00	
208 Pb	165	1	0.048 ppb	5.97	2.00	
232 Th	165	1	0.014 ppb	30.81	2.00	
238 U	165	1	0.010 ppb	15.08	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	414670	3.13	439510	94.3	30 - 120	
45 Sc	1	905495	1.32	933106	97.0	30 - 120	
72 Ge	1	467740	2.17	470474	99.4	30 - 120	
115 In	1	1597780	1.48	1645880	97.1	30 - 120	
165 Ho	1	3641454	0.86	3654515	99.6	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\071_LCS.D\071_LCS.D#
Date Acquired: Aug 25 2011 11:59 pm
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: lcs 280-82957/2-a
Misc Info: LCS
Vial Number: 2502
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	34.29	3.54	40	85.7	80 - 120	
51 V	72	1	31.78	1.51	40	79.5	80 - 120	
52 Cr	72	1	32.24	0.64	40	80.6	80 - 120	
55 Mn	72	1	33.08	1.12	40	82.7	80 - 120	
59 Co	72	1	31.31	0.59	40	78.3	80 - 120	
60 Ni	72	1	32.64	2.11	40	81.6	80 - 120	
63 Cu	72	1	32.74	0.51	40	81.9	80 - 120	
66 Zn	72	1	33.76	1.81	40	84.4	80 - 120	
75 As	72	1	33.80	1.09	40	84.5	80 - 120	
78 Se	72	1	36.43	1.92	40	91.1	80 - 120	
95 Mo	72	1	33.13	1.29	40	82.8	80 - 120	
107 Ag	115	1	31.89	1.67	40	79.7	80 - 120	
111 Cd	115	1	32.58	0.77	40	81.5	80 - 120	
118 Sn	115	1	32.89	1.55	40	82.2	80 - 120	
121 Sb	115	1	32.95	1.50	40	82.4	80 - 120	
137 Ba	115	1	33.17	1.88	40	82.9	80 - 120	
205 Tl	165	1	34.66	0.92	40	86.7	80 - 120	
208 Pb	165	1	33.98	1.09	40	85.0	80 - 120	
232 Th	165	1	36.25	0.81	40	90.6	80 - 120	
238 U	165	1	36.14	0.23	40	90.4	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	383579	1.84	439510	87.3	30 - 120	
45 Sc	1	834292	1.64	933106	89.4	30 - 120	
72 Ge	1	424665	1.54	470474	90.3	30 - 120	
115 In	1	1537735	0.54	1645880	93.4	30 - 120	
165 Ho	1	3498359	1.06	3654515	95.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\072AREF.D\072AREF.D#
Date Acquired: Aug 26 2011 12:02 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19421-e-1-d
Misc Info:
Vial Number: 2503
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	1.02	1.02	ppb	12.00	3600	
51 V	72	1	30.38	30.38	ppb	2.36	3600	
52 Cr	72	1	18.37	18.37	ppb	1.25	3600	
55 Mn	72	1	310.60	310.60	ppb	1.19	18000	
59 Co	72	1	6.61	6.61	ppb	2.04	3600	
60 Ni	72	1	14.47	14.47	ppb	0.43	3600	
63 Cu	72	1	24.97	24.97	ppb	1.59	3600	
66 Zn	72	1	74.26	74.26	ppb	0.08	3600	
75 As	72	1	2.45	2.45	ppb	1.85	3600	
78 Se	72	1	1.06	1.06	ppb	39.54	3600	
95 Mo	72	1	1.02	1.02	ppb	0.90	3600	
107 Ag	115	1	0.11	0.11	ppb	14.19	3600	
111 Cd	115	1	0.26	0.26	ppb	21.26	3600	
118 Sn	115	1	0.27	0.27	ppb	7.62	3600	
121 Sb	115	1	0.11	0.11	ppb	7.80	3600	
137 Ba	115	1	259.00	259.00	ppb	1.18	3600	
205 Tl	165	1	0.26	0.26	ppb	1.98	3600	
208 Pb	165	1	12.48	12.48	ppb	0.92	3600	
232 Th	165	1	3.85	3.85	ppb	1.72	1000	
238 U	165	1	2.34	2.34	ppb	2.36	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	348581	1.54	439510	79.3	30 - 120	
45 Sc	1	803116	1.02	933106	86.1	30 - 120	
72 Ge	1	388311	0.92	470474	82.5	30 - 120	
115 In	1	1365311	1.34	1645880	83.0	30 - 120	
165 Ho	1	3222314	0.30	3654515	88.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\073_MS.D\073_MS.D#
Date Acquired: Aug 26 2011 12:05 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19421-e-1-e ms
Misc Info: MATRIX SPIKE
Vial Number: 2504
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	34.76	1.02	ppb	1.18	40	84.7	50 - 150	
51 V	72	1	61.41	30.38	ppb	1.27	40	87.3	50 - 150	
52 Cr	72	1	49.21	18.37	ppb	0.89	40	84.3	50 - 150	
55 Mn	72	1	344.70	310.60	ppb	0.52	40	98.3	50 - 150	
59 Co	72	1	36.23	6.61	ppb	0.99	40	77.7	50 - 150	
60 Ni	72	1	44.17	14.47	ppb	1.74	40	81.1	50 - 150	
63 Cu	72	1	54.58	24.97	ppb	1.08	40	84.0	50 - 150	
66 Zn	72	1	104.30	74.26	ppb	0.66	40	91.3	50 - 150	
75 As	72	1	28.97	2.45	ppb	1.04	40	68.2	50 - 150	
78 Se	72	1	25.49	1.06	ppb	7.14	40	62.1	50 - 150	
95 Mo	72	1	21.91	1.02	ppb	1.44	40	53.4	50 - 150	
107 Ag	115	1	29.31	0.11	ppb	1.26	40	73.1	50 - 150	
111 Cd	115	1	31.87	0.26	ppb	0.98	40	79.2	50 - 150	
118 Sn	115	1	8.49	0.27	ppb	0.96	40	21.1	50 - 150	
121 Sb	115	1	9.25	0.11	ppb	1.97	40	23.1	50 - 150	
137 Ba	115	1	286.00	259.00	ppb	0.57	40	95.7	50 - 150	
205 Tl	165	1	30.33	0.26	ppb	0.54	40	75.3	50 - 150	
208 Pb	165	1	43.94	12.48	ppb	0.64	40	83.7	50 - 150	
232 Th	165	1	27.95	3.85	ppb	1.02	40	63.7	50 - 150	
238 U	165	1	37.82	2.34	ppb	1.78	40	89.3	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	360085	0.95	439510	81.9	30 - 120	
45 Sc	1	805234	0.58	933106	86.3	30 - 120	
72 Ge	1	384827	1.00	470474	81.8	30 - 120	
115 In	1	1364407	0.64	1645880	82.9	30 - 120	
165 Ho	1	3246549	1.27	3654515	88.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\074_MSD.D\074_MSD.D#
Date Acquired: Aug 26 2011 12:08 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19421-e-1-f msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 2505
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG082511.B\073_MS.D\073_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	35.55	ppb	2.44	34.76	2.25	20	
51 V	72	1	60.79	ppb	1.55	61.41	1.01	20	
52 Cr	72	1	48.83	ppb	1.23	49.21	0.78	20	
55 Mn	72	1	356.00	ppb	0.71	344.70	3.23	20	
59 Co	72	1	36.75	ppb	0.21	36.23	1.43	20	
60 Ni	72	1	44.75	ppb	1.31	44.17	1.30	20	
63 Cu	72	1	53.67	ppb	0.66	54.58	1.68	20	
66 Zn	72	1	102.60	ppb	0.26	104.30	1.64	20	
75 As	72	1	27.30	ppb	1.31	28.97	5.94	20	
78 Se	72	1	22.79	ppb	4.62	25.49	11.18	20	
95 Mo	72	1	20.55	ppb	1.95	21.91	6.41	20	
107 Ag	115	1	29.86	ppb	0.71	29.31	1.86	20	
111 Cd	115	1	32.54	ppb	1.06	31.87	2.08	20	
118 Sn	115	1	8.46	ppb	0.79	8.49	0.38	20	
121 Sb	115	1	11.32	ppb	0.64	9.25	20.16	20	
137 Ba	115	1	299.00	ppb	0.42	286.00	4.44	20	
205 Tl	165	1	30.30	ppb	0.24	30.33	0.10	20	
208 Pb	165	1	44.19	ppb	0.57	43.94	0.57	20	
232 Th	165	1	26.63	ppb	1.11	27.95	4.84	20	
238 U	165	1	39.37	ppb	1.70	37.82	4.02	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	369569	1.43	439510	84.1	30 - 120	
45 Sc	1	816328	0.44	933106	87.5	30 - 120	
72 Ge	1	388345	1.43	470474	82.5	30 - 120	
115 In	1	1363567	0.48	1645880	82.8	30 - 120	
165 Ho	1	3294914	0.93	3654515	90.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\075SMPL.D\075SMPL.D#
Date Acquired: Aug 26 2011 12:11 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19483-a-1-a
Misc Info:
Vial Number: 2506
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.03	0.03	ppb	68.95	3600	
51 V	72	1	0.24	0.24	ppb	79.91	3600	
52 Cr	72	1	0.56	0.56	ppb	5.07	3600	
55 Mn	72	1	12.22	12.22	ppb	1.87	18000	
59 Co	72	1	0.23	0.23	ppb	3.57	3600	
60 Ni	72	1	1.48	1.48	ppb	2.41	3600	
63 Cu	72	1	12.71	12.71	ppb	0.53	3600	
66 Zn	72	1	31.15	31.15	ppb	0.38	3600	
75 As	72	1	0.83	0.83	ppb	2.50	3600	
78 Se	72	1	1.19	1.19	ppb	16.61	3600	
95 Mo	72	1	1.50	1.50	ppb	6.44	3600	
107 Ag	115	1	0.11	0.11	ppb	7.41	3600	
111 Cd	115	1	0.06	0.06	ppb	9.95	3600	
118 Sn	115	1	0.76	0.76	ppb	10.95	3600	
121 Sb	115	1	0.31	0.31	ppb	5.98	3600	
137 Ba	115	1	39.14	39.14	ppb	1.00	3600	
205 Tl	165	1	0.03	0.03	ppb	16.87	3600	
208 Pb	165	1	0.47	0.47	ppb	0.49	3600	
232 Th	165	1	0.03	0.03	ppb	25.80	1000	
238 U	165	1	0.41	0.41	ppb	2.69	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	378247	0.66	439510	86.1	30 - 120	
45 Sc	1	800574	1.53	933106	85.8	30 - 120	
72 Ge	1	396911	0.74	470474	84.4	30 - 120	
115 In	1	1399291	1.60	1645880	85.0	30 - 120	
165 Ho	1	3352592	0.19	3654515	91.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\076SMPL.D\076SMPL.D#
Date Acquired: Aug 26 2011 12:13 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19483-a-3-a
Misc Info:
Vial Number: 2507
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	99.85	3600	
51 V	72	1	0.31	0.31	ppb	70.32	3600	
52 Cr	72	1	0.72	0.72	ppb	5.51	3600	
55 Mn	72	1	15.80	15.80	ppb	2.62	18000	
59 Co	72	1	0.18	0.18	ppb	2.06	3600	
60 Ni	72	1	1.59	1.59	ppb	4.45	3600	
63 Cu	72	1	13.41	13.41	ppb	0.44	3600	
66 Zn	72	1	29.67	29.67	ppb	1.91	3600	
75 As	72	1	0.87	0.87	ppb	9.08	3600	
78 Se	72	1	0.62	0.62	ppb	35.81	3600	
95 Mo	72	1	1.61	1.61	ppb	6.98	3600	
107 Ag	115	1	0.09	0.09	ppb	7.34	3600	
111 Cd	115	1	0.04	0.04	ppb	30.37	3600	
118 Sn	115	1	0.71	0.71	ppb	1.44	3600	
121 Sb	115	1	0.30	0.30	ppb	3.82	3600	
137 Ba	115	1	37.48	37.48	ppb	0.82	3600	
205 Tl	165	1	0.01	0.01	ppb	11.17	3600	
208 Pb	165	1	0.41	0.41	ppb	1.60	3600	
232 Th	165	1	0.01	0.01	ppb	13.70	1000	
238 U	165	1	0.77	0.77	ppb	0.69	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	369340	0.74	439510	84.0	30 - 120	
45 Sc	1	766331	2.53	933106	82.1	30 - 120	
72 Ge	1	385590	1.23	470474	82.0	30 - 120	
115 In	1	1364918	0.74	1645880	82.9	30 - 120	
165 Ho	1	3294458	0.93	3654515	90.1	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\077SMPL.D\077SMPL.D#
Date Acquired: Aug 26 2011 12:16 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19483-a-5-a
Misc Info:
Vial Number: 2508
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	173.20	3600	
51 V	72	1	0.36	0.36	ppb	62.07	3600	
52 Cr	72	1	0.57	0.57	ppb	1.08	3600	
55 Mn	72	1	19.92	19.92	ppb	2.18	18000	
59 Co	72	1	0.20	0.20	ppb	5.65	3600	
60 Ni	72	1	1.41	1.41	ppb	5.37	3600	
63 Cu	72	1	11.54	11.54	ppb	0.63	3600	
66 Zn	72	1	34.25	34.25	ppb	0.13	3600	
75 As	72	1	0.78	0.78	ppb	6.49	3600	
78 Se	72	1	0.60	0.60	ppb	58.36	3600	
95 Mo	72	1	1.20	1.20	ppb	8.66	3600	
107 Ag	115	1	0.04	0.04	ppb	5.94	3600	
111 Cd	115	1	0.05	0.05	ppb	22.69	3600	
118 Sn	115	1	0.76	0.76	ppb	10.72	3600	
121 Sb	115	1	0.33	0.33	ppb	1.67	3600	
137 Ba	115	1	35.02	35.02	ppb	0.91	3600	
205 Tl	165	1	0.01	0.01	ppb	9.07	3600	
208 Pb	165	1	0.47	0.47	ppb	1.81	3600	
232 Th	165	1	0.01	0.01	ppb	19.98	1000	
238 U	165	1	0.34	0.34	ppb	3.34	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	360131	0.84	439510	81.9	30 - 120	
45 Sc	1	761727	1.25	933106	81.6	30 - 120	
72 Ge	1	379309	1.23	470474	80.6	30 - 120	
115 In	1	1342336	0.81	1645880	81.6	30 - 120	
165 Ho	1	3243325	0.65	3654515	88.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\078SMPL.D\078SMPL.D#
Date Acquired: Aug 26 2011 12:19 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19483-a-7-a
Misc Info:
Vial Number: 2509
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	0.00	3600	
51 V	72	1	0.26	0.26	ppb	62.87	3600	
52 Cr	72	1	0.50	0.50	ppb	9.80	3600	
55 Mn	72	1	8.07	8.07	ppb	0.95	18000	
59 Co	72	1	0.12	0.12	ppb	3.48	3600	
60 Ni	72	1	1.08	1.08	ppb	12.35	3600	
63 Cu	72	1	10.80	10.80	ppb	2.72	3600	
66 Zn	72	1	26.75	26.75	ppb	0.48	3600	
75 As	72	1	0.72	0.72	ppb	8.43	3600	
78 Se	72	1	0.72	0.72	ppb	34.49	3600	
95 Mo	72	1	1.01	1.01	ppb	7.32	3600	
107 Ag	115	1	0.03	0.03	ppb	10.68	3600	
111 Cd	115	1	0.04	0.04	ppb	27.33	3600	
118 Sn	115	1	0.40	0.40	ppb	5.19	3600	
121 Sb	115	1	0.26	0.26	ppb	3.12	3600	
137 Ba	115	1	31.91	31.91	ppb	1.66	3600	
205 Tl	165	1	0.01	0.01	ppb	9.43	3600	
208 Pb	165	1	0.25	0.25	ppb	1.36	3600	
232 Th	165	1	0.01	0.01	ppb	21.45	1000	
238 U	165	1	0.39	0.39	ppb	0.27	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	354077	1.33	439510	80.6	30 - 120	
45 Sc	1	752533	0.81	933106	80.6	30 - 120	
72 Ge	1	376762	0.53	470474	80.1	30 - 120	
115 In	1	1346720	0.48	1645880	81.8	30 - 120	
165 Ho	1	3197709	0.59	3654515	87.5	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\079_CCV.D\079_CCV.D#
Date Acquired: Aug 26 2011 12:22 am
Operator: LRD
Sample Name: CCV-944128
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Fail
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	50.63	ppb	1.78	50	101.3	90 - 110	
51 V	72	1	48.83	ppb	1.11	50	97.7	90 - 110	
52 Cr	72	1	48.93	ppb	0.79	50	97.9	90 - 110	
55 Mn	72	1	49.78	ppb	1.31	50	99.6	90 - 110	
59 Co	72	1	47.46	ppb	0.42	50	94.9	90 - 110	
60 Ni	72	1	48.59	ppb	1.15	50	97.2	90 - 110	
63 Cu	72	1	49.53	ppb	0.28	50	99.1	90 - 110	
66 Zn	72	1	48.86	ppb	0.09	50	97.7	90 - 110	
75 As	72	1	50.38	ppb	0.86	50	100.8	90 - 110	
78 Se	72	1	53.05	ppb	6.59	50	106.1	90 - 110	
95 Mo	72	1	50.93	ppb	1.27	50	101.9	90 - 110	
107 Ag	115	1	47.51	ppb	0.91	50	95.0	90 - 110	
111 Cd	115	1	48.76	ppb	0.43	50	97.5	90 - 110	
118 Sn	115	1	50.25	ppb	0.45	50	100.5	90 - 110	
121 Sb	115	1	49.38	ppb	0.75	50	98.8	90 - 110	
137 Ba	115	1	50.75	ppb	0.54	50	101.5	90 - 110	
205 Tl	165	1	53.26	ppb	0.66	50	106.5	90 - 110	
208 Pb	165	1	52.82	ppb	0.55	50	105.6	90 - 110	
232 Th	165	1	56.24	ppb	1.06	50	112.5	90 - 110	Fail
238 U	165	1	56.98	ppb	1.73	50	114.0	90 - 110	Fail

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	352580	0.40	439510	80.2	30 - 120	
45 Sc	1	764031	0.56	933106	81.9	30 - 120	
72 Ge	1	391768	0.21	470474	83.3	30 - 120	
115 In	1	1438956	0.49	1645880	87.4	30 - 120	
165 Ho	1	3284602	0.21	3654515	89.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

2 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\080_CCB.D\080_CCB.D#
Date Acquired: Aug 26 2011 12:25 am
Operator: LRD
Sample Name: CCB-944134
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.013	ppb	173.26	1.00	
51 V	72	1	0.031	ppb	101.22	1.00	
52 Cr	72	1	0.002	ppb	904.53	1.00	
55 Mn	72	1	0.084	ppb	9.28	1.00	
59 Co	72	1	0.014	ppb	35.11	1.00	
60 Ni	72	1	0.024	ppb	57.42	1.00	
63 Cu	72	1	0.053	ppb	9.90	1.00	
66 Zn	72	1	0.093	ppb	25.57	1.00	
75 As	72	1	0.020	ppb	44.77	1.00	
78 Se	72	1	0.056	ppb	260.94	1.00	
95 Mo	72	1	-0.026	ppb	38.23	1.00	
107 Ag	115	1	0.022	ppb	10.13	1.00	
111 Cd	115	1	0.016	ppb	66.44	1.00	
118 Sn	115	1	0.052	ppb	34.38	1.00	
121 Sb	115	1	0.021	ppb	45.55	1.00	
137 Ba	115	1	0.045	ppb	16.84	1.00	
205 Tl	165	1	0.034	ppb	23.89	1.00	
208 Pb	165	1	0.024	ppb	7.77	1.00	
232 Th	165	1	0.041	ppb	12.52	1.00	
238 U	165	1	0.019	ppb	4.08	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	362828	0.29	439510	82.6	30 - 120	
45 Sc	1	784773	0.94	933106	84.1	30 - 120	
72 Ge	1	407114	0.17	470474	86.5	30 - 120	
115 In	1	1444617	0.45	1645880	87.8	30 - 120	
165 Ho	1	3340395	1.05	3654515	91.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\081WASH.D\081WASH.D#
Date Acquired: Aug 26 2011 12:28 am
Operator: LRD
Sample Name: RINSE
Misc Info:
Vial Number: 1301
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.014 ppb	173.27	1.30	
51 V	72	1	0.005 ppb	671.04	6.50	
52 Cr	72	1	0.987 ppb	5.54	2.60	
55 Mn	72	1	0.567 ppb	2.72	1.30	
59 Co	72	1	0.060 ppb	12.04	1.30	
60 Ni	72	1	0.757 ppb	7.33	2.60	
63 Cu	72	1	0.405 ppb	11.23	2.60	
66 Zn	72	1	2.616 ppb	1.71	13.00	
75 As	72	1	0.617 ppb	5.48	6.50	
78 Se	72	1	0.332 ppb	124.43	6.50	
95 Mo	72	1	1710.000 ppb	0.89	2.60	
107 Ag	115	1	0.045 ppb	17.09	6.50	
111 Cd	115	1	0.555 ppb	30.21	1.30	
118 Sn	115	1	0.131 ppb	31.49	13.00	
121 Sb	115	1	0.230 ppb	6.77	2.60	
137 Ba	115	1	0.201 ppb	6.52	1.30	
205 Tl	165	1	0.044 ppb	21.76	1.30	
208 Pb	165	1	0.123 ppb	3.85	1.30	
232 Th	165	1	0.042 ppb	15.58	2.60	
238 U	165	1	0.010 ppb	2.69	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	337415	1.12	439510	76.8	30 - 120	
45 Sc	1	709712	0.94	933106	76.1	30 - 120	
72 Ge	1	357850	0.46	470474	76.1	30 - 120	
115 In	1	1239021	0.84	1645880	75.3	30 - 120	
165 Ho	1	2958345	1.12	3654515	81.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\082WASH.D\082WASH.D#
Date Acquired: Aug 26 2011 12:31 am
Operator: LRD
Sample Name: RINSE
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.000 ppb	0.00	1.30	
51 V	72	1	0.002 ppb	1541.00	6.50	
52 Cr	72	1	0.006 ppb	256.91	2.60	
55 Mn	72	1	0.094 ppb	6.61	1.30	
59 Co	72	1	0.007 ppb	31.53	1.30	
60 Ni	72	1	0.016 ppb	89.65	2.60	
63 Cu	72	1	0.015 ppb	57.07	2.60	
66 Zn	72	1	0.056 ppb	13.64	13.00	
75 As	72	1	0.003 ppb	839.23	6.50	
78 Se	72	1	0.020 ppb	1239.10	6.50	
95 Mo	72	1	0.448 ppb	16.76	2.60	
107 Ag	115	1	0.004 ppb	85.25	6.50	
111 Cd	115	1	0.021 ppb	31.72	1.30	
118 Sn	115	1	0.028 ppb	20.40	13.00	
121 Sb	115	1	0.008 ppb	30.12	2.60	
137 Ba	115	1	0.049 ppb	19.69	1.30	
205 Tl	165	1	0.007 ppb	26.88	1.30	
208 Pb	165	1	0.011 ppb	4.15	1.30	
232 Th	165	1	0.011 ppb	29.52	2.60	
238 U	165	1	0.007 ppb	19.94	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	358743	0.79	439510	81.6	30 - 120	
45 Sc	1	789320	2.20	933106	84.6	30 - 120	
72 Ge	1	411245	0.20	470474	87.4	30 - 120	
115 In	1	1470015	1.13	1645880	89.3	30 - 120	
165 Ho	1	3386308	1.08	3654515	92.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Wash QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\083WASH.D\083WASH.D#
Date Acquired: Aug 26 2011 12:34 am
Operator: LRD
Sample Name: RINSE
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 25 2011 08:44 pm
Sample Type: WASH
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.000 ppb	0.00	1.30	
51 V	72	1	0.024 ppb	40.53	6.50	
52 Cr	72	1	0.007 ppb	114.36	2.60	
55 Mn	72	1	0.079 ppb	20.96	1.30	
59 Co	72	1	0.005 ppb	25.13	1.30	
60 Ni	72	1	-0.004 ppb	119.40	2.60	
63 Cu	72	1	0.006 ppb	382.38	2.60	
66 Zn	72	1	0.058 ppb	33.68	13.00	
75 As	72	1	0.001 ppb	2002.40	6.50	
78 Se	72	1	0.008 ppb	1145.30	6.50	
95 Mo	72	1	0.075 ppb	17.59	2.60	
107 Ag	115	1	0.004 ppb	74.72	6.50	
111 Cd	115	1	0.013 ppb	28.51	1.30	
118 Sn	115	1	0.013 ppb	49.29	13.00	
121 Sb	115	1	0.005 ppb	9.73	2.60	
137 Ba	115	1	0.032 ppb	17.42	1.30	
205 Tl	165	1	0.004 ppb	41.24	1.30	
208 Pb	165	1	0.010 ppb	21.38	1.30	
232 Th	165	1	0.008 ppb	6.40	2.60	
238 U	165	1	0.007 ppb	17.28	1.30	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	367999	1.66	439510	83.7	30 - 120	
45 Sc	1	826281	0.51	933106	88.6	30 - 120	
72 Ge	1	424838	0.63	470474	90.3	30 - 120	
115 In	1	1533588	0.64	1645880	93.2	30 - 120	
165 Ho	1	3461809	1.22	3654515	94.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\003CALB.D\003CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\084CALB.D\084CALB.D#
Date Acquired: Aug 26 2011 12:37 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: Cal Blank
Misc Info:
Vial Number: 1101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 25 2011 08:44 pm
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD(%)
9	Be	6	1	10	100.28
51	V	72	1	247	93.34
52	Cr	72	1	1297	12.38
55	Mn	72	1	773	7.03
59	Co	72	1	53	11.01
60	Ni	72	1	67	17.50
63	Cu	72	1	427	10.06
66	Zn	72	1	214	16.87
75	As	72	1	21	14.16
78	Se	72	1	60	33.78
95	Mo	72	1	200	10.38
107	Ag	115	1	27	56.71
111	Cd	115	1	29	48.43
118	Sn	115	1	170	36.64
121	Sb	115	1	41	41.06
137	Ba	115	1	86	29.62
205	Tl	165	1	190	10.63
208	Pb	165	1	563	5.08
232	Th	165	1	393	11.69
238	U	165	1	247	22.12

Internal Standard Elements

Element		Tune	CPS Mean	RSD(%)
6	Li	1	376050	0.49
45	Sc	1	842536	0.38
72	Ge	1	434625	0.55
115	In	1	1546933	0.89
165	Ho	1	3493328	0.40

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#
Date Acquired: Aug 26 2011 12:40 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: IC-944134
Misc Info:
Vial Number: 1103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 26 2011 12:38 am
Sample Type: CalBlk

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD(%)
9	Be	6	1	0	0.00
51	V	72	1	-62	344.06
52	Cr	72	1	1383	9.28
55	Mn	72	1	730	2.87
59	Co	72	1	43	81.11
60	Ni	72	1	37	56.85
63	Cu	72	1	323	9.60
66	Zn	72	1	169	11.64
75	As	72	1	34	38.60
78	Se	72	1	47	61.96
95	Mo	72	1	103	29.44
107	Ag	115	1	23	89.67
111	Cd	115	1	9	138.20
118	Sn	115	1	73	35.05
121	Sb	115	1	23	15.47
137	Ba	115	1	67	9.98
205	Tl	165	1	111	11.25
208	Pb	165	1	432	3.69
232	Th	165	1	253	21.88
238	U	165	1	167	8.35

Internal Standard Elements

Element		Tune	CPS Mean	RSD(%)
6	Li	1	377196	0.23
45	Sc	1	842079	1.06
72	Ge	1	438317	0.16
115	In	1	1553503	1.61
165	Ho	1	3491917	0.65

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\086ICAL.D\086ICAL.D#
Date Acquired: Aug 26 2011 12:43 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: IC-944105
Misc Info:
Vial Number: 1303
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 26 2011 12:41 am
Sample Type: ICAL

QC Elements

Element		IS Ref	Tune	CPS Mean	RSD(%)
9	Be	6	1	52047	2.09
51	V	72	1	633066	2.64
52	Cr	72	1	684742	1.82
55	Mn	72	1	623785	0.72
59	Co	72	1	941284	1.62
60	Ni	72	1	212827	1.23
63	Cu	72	1	509245	1.15
66	Zn	72	1	100463	0.93
75	As	72	1	66336	1.21
78	Se	72	1	10995	0.88
95	Mo	72	1	243252	0.90
107	Ag	115	1	801647	1.58
111	Cd	115	1	149667	0.75
118	Sn	115	1	391046	0.25
121	Sb	115	1	439037	0.59
137	Ba	115	1	187030	0.87
205	Tl	165	1	2103826	0.60
208	Pb	165	1	2941844	0.61
232	Th	165	1	2864285	1.06
238	U	165	1	3202255	1.18

ISTD Elements

Element		Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6	Li	1	370748	1.37	377196	98.3	30 - 120	
45	Sc	1	840161	1.42	842079	99.8	30 - 120	
72	Ge	1	424246	1.03	438317	96.8	30 - 120	
115	In	1	1532252	0.73	1553503	98.6	30 - 120	
165	Ho	1	3457821	0.75	3491917	99.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures 0
0 :ISTD Failures 0

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\087_CCV.D\087_CCV.D#
Date Acquired: Aug 26 2011 12:46 am
Operator: LRD
Sample Name: CCV-944128
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 26 2011 12:43 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	51.72	ppb	2.49	50	103.4	90 - 110	
51 V	72	1	50.39	ppb	1.32	50	100.8	90 - 110	
52 Cr	72	1	50.09	ppb	0.86	50	100.2	90 - 110	
55 Mn	72	1	50.41	ppb	0.39	50	100.8	90 - 110	
59 Co	72	1	48.50	ppb	0.49	50	97.0	90 - 110	
60 Ni	72	1	50.23	ppb	0.23	50	100.5	90 - 110	
63 Cu	72	1	50.21	ppb	1.36	50	100.4	90 - 110	
66 Zn	72	1	50.29	ppb	1.77	50	100.6	90 - 110	
75 As	72	1	50.00	ppb	1.27	50	100.0	90 - 110	
78 Se	72	1	52.33	ppb	0.77	50	104.7	90 - 110	
95 Mo	72	1	50.22	ppb	1.05	50	100.4	90 - 110	
107 Ag	115	1	49.94	ppb	1.10	50	99.9	90 - 110	
111 Cd	115	1	50.16	ppb	0.87	50	100.3	90 - 110	
118 Sn	115	1	49.98	ppb	0.56	50	100.0	90 - 110	
121 Sb	115	1	49.70	ppb	1.01	50	99.4	90 - 110	
137 Ba	115	1	49.98	ppb	1.25	50	100.0	90 - 110	
205 Tl	165	1	50.23	ppb	2.61	50	100.5	90 - 110	
208 Pb	165	1	49.59	ppb	1.48	50	99.2	90 - 110	
232 Th	165	1	50.27	ppb	2.15	50	100.5	90 - 110	
238 U	165	1	49.63	ppb	2.17	50	99.3	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	371425	0.61	377196	98.5	30 - 120	
45 Sc	1	831932	1.62	842079	98.8	30 - 120	
72 Ge	1	423928	0.17	438317	96.7	30 - 120	
115 In	1	1541936	0.74	1553503	99.3	30 - 120	
165 Ho	1	3481687	1.81	3491917	99.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\088_CCB.D\088_CCB.D#
Date Acquired: Aug 26 2011 12:49 am
Operator: LRD
Sample Name: CCB-944134
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 26 2011 12:43 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.013	ppb	86.61	1.00	
51 V	72	1	0.073	ppb	32.35	1.00	
52 Cr	72	1	0.011	ppb	263.85	1.00	
55 Mn	72	1	0.047	ppb	33.96	1.00	
59 Co	72	1	0.019	ppb	41.57	1.00	
60 Ni	72	1	0.045	ppb	21.40	1.00	
63 Cu	72	1	0.065	ppb	16.98	1.00	
66 Zn	72	1	0.098	ppb	18.56	1.00	
75 As	72	1	0.030	ppb	68.96	1.00	
78 Se	72	1	-0.055	ppb	277.94	1.00	
95 Mo	72	1	0.015	ppb	95.19	1.00	
107 Ag	115	1	0.028	ppb	35.44	1.00	
111 Cd	115	1	0.030	ppb	63.35	1.00	
118 Sn	115	1	0.039	ppb	28.63	1.00	
121 Sb	115	1	0.021	ppb	27.08	1.00	
137 Ba	115	1	0.019	ppb	67.00	1.00	
205 Tl	165	1	0.044	ppb	17.82	1.00	
208 Pb	165	1	0.022	ppb	8.82	1.00	
232 Th	165	1	0.039	ppb	8.79	1.00	
238 U	165	1	0.019	ppb	2.92	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	376620	1.16	377196	99.8	30 - 120	
45 Sc	1	846809	0.45	842079	100.6	30 - 120	
72 Ge	1	433757	0.12	438317	99.0	30 - 120	
115 In	1	1556009	0.55	1553503	100.2	30 - 120	
165 Ho	1	3483116	0.86	3491917	99.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Blank QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\089_BLK.D\089_BLK.D#
Date Acquired: Aug 26 2011 12:51 am
Operator: LRD
Sample Name: mb 280-82958/1-a
Misc Info: BLANK 82958 6020
Vial Number: 2510
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 26 2011 12:43 am
Sample Type: BLK
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	RSD(%)	High Limit	Flag
9 Be	6	1	0.006 ppb	173.22	2.00	
51 V	72	1	0.055 ppb	32.09	2.00	
52 Cr	72	1	0.104 ppb	14.77	2.00	
55 Mn	72	1	0.101 ppb	12.50	2.00	
59 Co	72	1	0.003 ppb	24.95	2.00	
60 Ni	72	1	0.033 ppb	8.03	2.00	
63 Cu	72	1	0.033 ppb	19.85	2.00	
66 Zn	72	1	0.277 ppb	25.29	2.00	
75 As	72	1	0.010 ppb	82.21	2.00	
78 Se	72	1	-0.083 ppb	167.27	2.00	
95 Mo	72	1	0.016 ppb	45.48	2.00	
107 Ag	115	1	0.009 ppb	58.96	2.00	
111 Cd	115	1	0.002 ppb	257.62	2.00	
118 Sn	115	1	0.064 ppb	21.14	2.00	
121 Sb	115	1	0.009 ppb	53.84	2.00	
137 Ba	115	1	0.022 ppb	32.37	2.00	
205 Tl	165	1	0.033 ppb	19.68	2.00	
208 Pb	165	1	0.018 ppb	9.99	2.00	
232 Th	165	1	0.022 ppb	13.87	2.00	
238 U	165	1	0.009 ppb	17.44	2.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	379118	1.02	377196	100.5	30 - 120	
45 Sc	1	852017	0.77	842079	101.2	30 - 120	
72 Ge	1	430839	0.38	438317	98.3	30 - 120	
115 In	1	1549405	0.97	1553503	99.7	30 - 120	
165 Ho	1	3517914	0.43	3491917	100.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Laboratory Control Spike (LCS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\090_LCS.D\090_LCS.D#
Date Acquired: Aug 26 2011 12:54 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: lcs 280-82958/2-a
Misc Info: LCS
Vial Number: 2511
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 26 2011 12:43 am
Sample Type: LCS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Analyte Elements

Element	IS Ref	Tune	Conc. ppb	RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	39.21	1.30	40	98.0	80 - 120	
51 V	72	1	42.45	0.28	40	106.1	80 - 120	
52 Cr	72	1	42.47	0.46	40	106.2	80 - 120	
55 Mn	72	1	42.40	0.81	40	106.0	80 - 120	
59 Co	72	1	40.66	0.76	40	101.7	80 - 120	
60 Ni	72	1	42.02	2.11	40	105.1	80 - 120	
63 Cu	72	1	42.20	1.85	40	105.5	80 - 120	
66 Zn	72	1	39.33	0.88	40	98.3	80 - 120	
75 As	72	1	39.40	0.52	40	98.5	80 - 120	
78 Se	72	1	37.16	8.60	40	92.9	80 - 120	
95 Mo	72	1	42.40	1.03	40	106.0	80 - 120	
107 Ag	115	1	41.38	0.74	40	103.5	80 - 120	
111 Cd	115	1	40.34	1.13	40	100.9	80 - 120	
118 Sn	115	1	41.73	1.10	40	104.3	80 - 120	
121 Sb	115	1	39.90	0.75	40	99.8	80 - 120	
137 Ba	115	1	41.69	0.53	40	104.2	80 - 120	
205 Tl	165	1	41.13	1.72	40	102.8	80 - 120	
208 Pb	165	1	40.69	1.95	40	101.7	80 - 120	
232 Th	165	1	41.37	1.04	40	103.4	80 - 120	
238 U	165	1	41.57	1.21	40	103.9	80 - 120	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	375861	1.39	377196	99.6	30 - 120	
45 Sc	1	860828	0.75	842079	102.2	30 - 120	
72 Ge	1	422543	0.60	438317	96.4	30 - 120	
115 In	1	1544904	0.52	1553503	99.4	30 - 120	
165 Ho	1	3527240	1.25	3491917	101.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\091SMPL.D\091SMPL.D#
Date Acquired: Aug 26 2011 12:57 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19492-j-1-b
Misc Info:
Vial Number: 2512
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 26 2011 12:43 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.00	0.00	ppb	0.00	3600	
51 V	72	1	0.05	0.05	ppb	90.75	3600	
52 Cr	72	1	0.22	0.22	ppb	7.99	3600	
55 Mn	72	1	4.17	4.17	ppb	3.18	18000	
59 Co	72	1	0.05	0.05	ppb	16.05	3600	
60 Ni	72	1	0.74	0.74	ppb	5.69	3600	
63 Cu	72	1	2.37	2.37	ppb	2.34	3600	
66 Zn	72	1	2.22	2.22	ppb	4.49	3600	
75 As	72	1	0.06	0.06	ppb	55.42	3600	
78 Se	72	1	0.31	0.31	ppb	78.61	3600	
95 Mo	72	1	0.26	0.26	ppb	10.21	3600	
107 Ag	115	1	0.01	0.01	ppb	43.45	3600	
111 Cd	115	1	0.01	0.01	ppb	97.18	3600	
118 Sn	115	1	0.28	0.28	ppb	4.88	3600	
121 Sb	115	1	0.11	0.11	ppb	7.99	3600	
137 Ba	115	1	158.00	158.00	ppb	1.08	3600	
205 Tl	165	1	0.05	0.05	ppb	31.55	3600	
208 Pb	165	1	0.27	0.27	ppb	2.42	3600	
232 Th	165	1	0.03	0.03	ppb	16.84	1000	
238 U	165	1	3.07	3.07	ppb	0.52	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	355939	1.21	377196	94.4	30 - 120	
45 Sc	1	801517	1.26	842079	95.2	30 - 120	
72 Ge	1	392770	0.84	438317	89.6	30 - 120	
115 In	1	1420308	0.89	1553503	91.4	30 - 120	
165 Ho	1	3280277	1.33	3491917	93.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\092SMPL.D\092SMPL.D#
Date Acquired: Aug 26 2011 01:00 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19493-h-1-b
Misc Info:
Vial Number: 3101
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 26 2011 12:43 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	173.26	3600	
51 V	72	1	9.12	9.12	ppb	2.15	3600	
52 Cr	72	1	2.18	2.18	ppb	2.23	3600	
55 Mn	72	1	19.44	19.44	ppb	0.99	18000	
59 Co	72	1	0.18	0.18	ppb	5.97	3600	
60 Ni	72	1	1.88	1.88	ppb	7.64	3600	
63 Cu	72	1	8.83	8.83	ppb	0.70	3600	
66 Zn	72	1	84.07	84.07	ppb	0.40	3600	
75 As	72	1	2.60	2.60	ppb	5.50	3600	
78 Se	72	1	1.65	1.65	ppb	17.34	3600	
95 Mo	72	1	1.57	1.57	ppb	10.45	3600	
107 Ag	115	1	0.01	0.01	ppb	138.46	3600	
111 Cd	115	1	1.43	1.43	ppb	9.54	3600	
118 Sn	115	1	0.93	0.93	ppb	11.73	3600	
121 Sb	115	1	0.28	0.28	ppb	2.20	3600	
137 Ba	115	1	126.30	126.30	ppb	1.53	3600	
205 Tl	165	1	0.02	0.02	ppb	12.20	3600	
208 Pb	165	1	0.94	0.94	ppb	2.18	3600	
232 Th	165	1	0.01	0.01	ppb	15.13	1000	
238 U	165	1	4.73	4.73	ppb	1.58	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	361048	1.24	377196	95.7	30 - 120	
45 Sc	1	820688	0.85	842079	97.5	30 - 120	
72 Ge	1	400990	0.64	438317	91.5	30 - 120	
115 In	1	1447953	1.81	1553503	93.2	30 - 120	
165 Ho	1	3359880	2.03	3491917	96.2	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\093SMPL.D\093SMPL.D#
Date Acquired: Aug 26 2011 01:03 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19493-h-2-b
Misc Info:
Vial Number: 3102
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 26 2011 12:43 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	173.18	3600	
51 V	72	1	7.64	7.64	ppb	1.77	3600	
52 Cr	72	1	0.40	0.40	ppb	10.02	3600	
55 Mn	72	1	0.64	0.64	ppb	5.10	18000	
59 Co	72	1	0.07	0.07	ppb	10.60	3600	
60 Ni	72	1	0.47	0.47	ppb	10.91	3600	
63 Cu	72	1	3.78	3.78	ppb	1.28	3600	
66 Zn	72	1	135.20	135.20	ppb	0.97	3600	
75 As	72	1	2.36	2.36	ppb	7.31	3600	
78 Se	72	1	0.78	0.78	ppb	45.05	3600	
95 Mo	72	1	0.94	0.94	ppb	5.87	3600	
107 Ag	115	1	0.00	0.00	ppb	138.62	3600	
111 Cd	115	1	0.06	0.06	ppb	7.95	3600	
118 Sn	115	1	0.06	0.06	ppb	17.69	3600	
121 Sb	115	1	0.19	0.19	ppb	14.12	3600	
137 Ba	115	1	175.00	175.00	ppb	1.91	3600	
205 Tl	165	1	0.02	0.02	ppb	9.47	3600	
208 Pb	165	1	0.24	0.24	ppb	1.71	3600	
232 Th	165	1	0.01	0.01	ppb	20.73	1000	
238 U	165	1	0.98	0.98	ppb	0.94	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	370457	0.54	377196	98.2	30 - 120	
45 Sc	1	840288	1.28	842079	99.8	30 - 120	
72 Ge	1	411707	0.41	438317	93.9	30 - 120	
115 In	1	1486839	1.94	1553503	95.7	30 - 120	
165 Ho	1	3414171	0.29	3491917	97.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\094SMPL.D\094SMPL.D#
Date Acquired: Aug 26 2011 01:06 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19493-h-3-b
Misc Info:
Vial Number: 3103
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 26 2011 12:43 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	100.62	3600	
51 V	72	1	11.78	11.78	ppb	2.47	3600	
52 Cr	72	1	1.82	1.82	ppb	2.49	3600	
55 Mn	72	1	0.13	0.13	ppb	14.03	18000	
59 Co	72	1	0.07	0.07	ppb	3.31	3600	
60 Ni	72	1	0.33	0.33	ppb	4.57	3600	
63 Cu	72	1	18.69	18.69	ppb	1.97	3600	
66 Zn	72	1	15.04	15.04	ppb	1.68	3600	
75 As	72	1	3.33	3.33	ppb	2.23	3600	
78 Se	72	1	0.43	0.43	ppb	78.81	3600	
95 Mo	72	1	2.11	2.11	ppb	2.40	3600	
107 Ag	115	1	0.00	0.00	ppb	176.34	3600	
111 Cd	115	1	0.01	0.01	ppb	41.75	3600	
118 Sn	115	1	0.06	0.06	ppb	6.37	3600	
121 Sb	115	1	0.10	0.10	ppb	8.18	3600	
137 Ba	115	1	78.02	78.02	ppb	1.64	3600	
205 Tl	165	1	0.01	0.01	ppb	24.52	3600	
208 Pb	165	1	0.23	0.23	ppb	0.41	3600	
232 Th	165	1	0.00	0.00	ppb	38.36	1000	
238 U	165	1	6.79	6.79	ppb	0.57	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	368620	0.95	377196	97.7	30 - 120	
45 Sc	1	847422	0.70	842079	100.6	30 - 120	
72 Ge	1	413845	0.23	438317	94.4	30 - 120	
115 In	1	1499134	0.97	1553503	96.5	30 - 120	
165 Ho	1	3409923	0.76	3491917	97.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\095_CCV.D\095_CCV.D#
Date Acquired: Aug 26 2011 01:09 am
Operator: LRD
Sample Name: CCV-944128
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 26 2011 12:43 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	49.90	ppb	1.66	50	99.8	90 - 110	
51 V	72	1	50.38	ppb	0.49	50	100.8	90 - 110	
52 Cr	72	1	50.12	ppb	0.90	50	100.2	90 - 110	
55 Mn	72	1	50.16	ppb	1.35	50	100.3	90 - 110	
59 Co	72	1	48.79	ppb	0.35	50	97.6	90 - 110	
60 Ni	72	1	50.52	ppb	1.59	50	101.0	90 - 110	
63 Cu	72	1	50.01	ppb	0.71	50	100.0	90 - 110	
66 Zn	72	1	50.25	ppb	1.89	50	100.5	90 - 110	
75 As	72	1	50.69	ppb	0.55	50	101.4	90 - 110	
78 Se	72	1	51.33	ppb	3.94	50	102.7	90 - 110	
95 Mo	72	1	50.13	ppb	0.53	50	100.3	90 - 110	
107 Ag	115	1	49.93	ppb	0.37	50	99.9	90 - 110	
111 Cd	115	1	49.93	ppb	1.80	50	99.9	90 - 110	
118 Sn	115	1	49.52	ppb	0.57	50	99.0	90 - 110	
121 Sb	115	1	49.71	ppb	0.93	50	99.4	90 - 110	
137 Ba	115	1	49.73	ppb	0.46	50	99.5	90 - 110	
205 Tl	165	1	49.66	ppb	1.28	50	99.3	90 - 110	
208 Pb	165	1	49.36	ppb	0.47	50	98.7	90 - 110	
232 Th	165	1	50.01	ppb	1.76	50	100.0	90 - 110	
238 U	165	1	49.12	ppb	1.67	50	98.2	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	379542	0.56	377196	100.6	30 - 120	
45 Sc	1	871710	1.84	842079	103.5	30 - 120	
72 Ge	1	434212	0.79	438317	99.1	30 - 120	
115 In	1	1566652	0.47	1553503	100.8	30 - 120	
165 Ho	1	3489701	0.74	3491917	99.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\096_CCB.D\096_CCB.D#
Date Acquired: Aug 26 2011 01:12 am
Operator: LRD
Sample Name: CCB-944134
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 26 2011 12:43 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.031	ppb	68.05	1.00	
51 V	72	1	0.040	ppb	82.34	1.00	
52 Cr	72	1	0.011	ppb	263.59	1.00	
55 Mn	72	1	0.018	ppb	39.53	1.00	
59 Co	72	1	0.018	ppb	31.62	1.00	
60 Ni	72	1	0.031	ppb	54.17	1.00	
63 Cu	72	1	0.055	ppb	24.81	1.00	
66 Zn	72	1	0.074	ppb	20.74	1.00	
75 As	72	1	0.018	ppb	39.77	1.00	
78 Se	72	1	0.113	ppb	76.12	1.00	
95 Mo	72	1	-0.003	ppb	419.90	1.00	
107 Ag	115	1	0.023	ppb	23.39	1.00	
111 Cd	115	1	0.012	ppb	10.09	1.00	
118 Sn	115	1	0.043	ppb	13.44	1.00	
121 Sb	115	1	0.016	ppb	11.68	1.00	
137 Ba	115	1	0.030	ppb	40.90	1.00	
205 Tl	165	1	0.034	ppb	19.12	1.00	
208 Pb	165	1	0.018	ppb	3.05	1.00	
232 Th	165	1	0.032	ppb	10.52	1.00	
238 U	165	1	0.015	ppb	4.40	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	382418	1.30	377196	101.4	30 - 120	
45 Sc	1	863542	2.11	842079	102.5	30 - 120	
72 Ge	1	441791	0.49	438317	100.8	30 - 120	
115 In	1	1554903	1.62	1553503	100.1	30 - 120	
165 Ho	1	3501592	0.59	3491917	100.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\097AREF.D\097AREF.D#
Date Acquired: Aug 26 2011 01:15 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19493-v-4-a
Misc Info:
Vial Number: 3104
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 26 2011 12:43 am
Sample Type: AllRef
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.01	0.01	ppb	173.18	3600	
51 V	72	1	11.70	11.70	ppb	2.74	3600	
52 Cr	72	1	1.41	1.41	ppb	4.90	3600	
55 Mn	72	1	1.29	1.29	ppb	3.90	18000	
59 Co	72	1	0.06	0.06	ppb	6.45	3600	
60 Ni	72	1	0.34	0.34	ppb	3.93	3600	
63 Cu	72	1	1.70	1.70	ppb	2.75	3600	
66 Zn	72	1	95.94	95.94	ppb	0.90	3600	
75 As	72	1	3.24	3.24	ppb	3.13	3600	
78 Se	72	1	1.19	1.19	ppb	49.39	3600	
95 Mo	72	1	1.32	1.32	ppb	3.76	3600	
107 Ag	115	1	0.00	0.00	ppb	66.28	3600	
111 Cd	115	1	0.01	0.01	ppb	145.80	3600	
118 Sn	115	1	0.05	0.05	ppb	9.36	3600	
121 Sb	115	1	0.14	0.14	ppb	7.48	3600	
137 Ba	115	1	96.89	96.89	ppb	0.74	3600	
205 Tl	165	1	0.04	0.04	ppb	32.33	3600	
208 Pb	165	1	3.51	3.51	ppb	0.72	3600	
232 Th	165	1	0.02	0.02	ppb	16.09	1000	
238 U	165	1	6.87	6.87	ppb	1.39	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	362837	0.87	377196	96.2	30 - 120	
45 Sc	1	841165	0.69	842079	99.9	30 - 120	
72 Ge	1	410239	0.36	438317	93.6	30 - 120	
115 In	1	1471986	0.77	1553503	94.8	30 - 120	
165 Ho	1	3383742	1.02	3491917	96.9	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Dilution Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\098SDIL.D\098SDIL.D#
Date Acquired: Aug 26 2011 01:18 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19493-v-4-a SD@5
Misc Info: SERIAL DILUTION
Vial Number: 3105
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 26 2011 12:43 am
Sample Type: SDIL
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Dilution Ref File: C:\ICPCHEM\1\DATA\AG082511.B\097AREF.D\097AREF.D#

QC elements

Element	IS Ref	Tune	Conc.ppb		RSD(%)	Ref Conc.	Actual(%)	QC Range(%)	Flag
9 Be	6	1	0.01	ppb	173.14	0.00	487.3	90 - 110	
51 V	72	1	2.29	ppb	4.58	2.34	97.6	90 - 110	
52 Cr	72	1	0.28	ppb	9.67	0.28	97.9	90 - 110	
55 Mn	72	1	0.28	ppb	11.15	0.26	106.6	90 - 110	
59 Co	72	1	0.01	ppb	16.26	0.01	70.0	90 - 110	
60 Ni	72	1	0.08	ppb	10.03	0.07	117.1	90 - 110	
63 Cu	72	1	0.36	ppb	6.86	0.34	105.2	90 - 110	
66 Zn	72	1	19.95	ppb	0.69	19.19	104.0	90 - 110	
75 As	72	1	0.72	ppb	1.89	0.65	110.7	90 - 110	
78 Se	72	1	0.55	ppb	24.89	0.24	230.2	90 - 110	
95 Mo	72	1	0.26	ppb	22.98	0.26	96.5	90 - 110	
107 Ag	115	1	0.00	ppb	61.56	0.00	-145.9	90 - 110	
111 Cd	115	1	0.01	ppb	35.66	0.00	612.8	90 - 110	
118 Sn	115	1	0.06	ppb	30.80	0.01	517.3	90 - 110	
121 Sb	115	1	0.03	ppb	26.46	0.03	126.1	90 - 110	
137 Ba	115	1	19.28	ppb	0.72	19.38	99.5	90 - 110	
205 Tl	165	1	0.01	ppb	9.65	0.01	115.2	90 - 110	
208 Pb	165	1	0.64	ppb	0.69	0.70	91.8	90 - 110	
232 Th	165	1	0.01	ppb	73.88	0.00	168.6	90 - 110	
238 U	165	1	1.38	ppb	0.78	1.37	100.3	90 - 110	

ISTD elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	371849	0.63	377196	98.6	30 - 120	
45 Sc	1	849652	1.02	842079	100.9	30 - 120	
72 Ge	1	429830	0.45	438317	98.1	30 - 120	
115 In	1	1522962	0.37	1553503	98.0	30 - 120	
165 Ho	1	3455524	0.71	3491917	99.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Post Digestion Spiked Sample (PDS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\099PDS.D\099PDS.D#
Date Acquired: Aug 26 2011 01:21 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19493-v-4-a PDS
Misc Info: POST DIGESTION SPIKE
Vial Number: 3106
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 26 2011 12:43 am
Sample Type: PDS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	196.60	0.01	ppb	0.80	200	98.3	75 - 125	
51 V	72	1	226.70	11.70	ppb	1.42	200	107.1	75 - 125	
52 Cr	72	1	210.80	1.41	ppb	1.47	200	104.7	75 - 125	
55 Mn	72	1	215.00	1.29	ppb	1.79	200	106.8	75 - 125	
59 Co	72	1	201.70	0.06	ppb	1.54	200	100.8	75 - 125	
60 Ni	72	1	198.10	0.34	ppb	0.68	200	98.9	75 - 125	
63 Cu	72	1	201.10	1.70	ppb	0.93	200	99.7	75 - 125	
66 Zn	72	1	282.20	95.94	ppb	0.50	200	95.4	75 - 125	
75 As	72	1	199.50	3.23	ppb	0.31	200	98.2	75 - 125	
78 Se	72	1	191.60	1.19	ppb	0.64	200	95.2	75 - 125	
95 Mo	72	1	211.20	1.32	ppb	1.22	200	104.9	75 - 125	
107 Ag	115	1	48.49	0.00	ppb	2.92	50	97.0	75 - 125	
111 Cd	115	1	196.40	0.01	ppb	1.67	200	98.2	75 - 125	
118 Sn	115	1	204.10	0.05	ppb	2.07	200	102.0	75 - 125	
121 Sb	115	1	198.10	0.14	ppb	1.88	200	99.0	75 - 125	
137 Ba	115	1	300.30	96.89	ppb	2.06	200	101.1	75 - 125	
205 Tl	165	1	192.50	0.04	ppb	0.64	200	96.2	75 - 125	
208 Pb	165	1	199.20	3.51	ppb	0.53	200	97.9	75 - 125	
232 Th	165	1	0.10	0.02	ppb	5.12	200	0.0	75 - 125	
238 U	165	1	205.50	6.87	ppb	3.09	200	99.3	75 - 125	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	353316	0.51	377196	93.7	30 - 120	
45 Sc	1	805546	1.30	842079	95.7	30 - 120	
72 Ge	1	395016	0.72	438317	90.1	30 - 120	
115 In	1	1439406	1.94	1553503	92.7	30 - 120	
165 Ho	1	3316667	0.69	3491917	95.0	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Spiked Sample (MS) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\100_MS.D\100_MS.D#
Date Acquired: Aug 26 2011 01:24 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19493-v-4-b ms
Misc Info: MATRIX SPIKE
Vial Number: 3107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 26 2011 12:43 am
Sample Type: MS
Prep Dil. Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

Spike Ref. File: ---

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.	Ref Conc		RSD(%)	Spk Amt	Rec(%)	QC Range(%)	QC Flag
9 Be	6	1	41.20	0.01	ppb	1.34	40	103.0	50 - 150	
51 V	72	1	55.09	11.70	ppb	1.67	40	106.6	50 - 150	
52 Cr	72	1	42.79	1.41	ppb	1.71	40	103.3	50 - 150	
55 Mn	72	1	43.35	1.29	ppb	1.19	40	105.0	50 - 150	
59 Co	72	1	40.11	0.06	ppb	1.30	40	100.1	50 - 150	
60 Ni	72	1	41.73	0.34	ppb	0.60	40	103.4	50 - 150	
63 Cu	72	1	42.97	1.70	ppb	0.85	40	103.1	50 - 150	
66 Zn	72	1	134.80	95.94	ppb	0.92	40	99.2	50 - 150	
75 As	72	1	43.78	3.23	ppb	0.43	40	101.3	50 - 150	
78 Se	72	1	41.81	1.19	ppb	2.22	40	101.5	50 - 150	
95 Mo	72	1	45.11	1.32	ppb	1.47	40	109.2	50 - 150	
107 Ag	115	1	39.74	0.00	ppb	1.37	40	99.3	50 - 150	
111 Cd	115	1	39.89	0.01	ppb	1.03	40	99.7	50 - 150	
118 Sn	115	1	42.37	0.05	ppb	2.25	40	105.8	50 - 150	
121 Sb	115	1	41.48	0.14	ppb	1.18	40	103.3	50 - 150	
137 Ba	115	1	139.40	96.89	ppb	0.24	40	101.8	50 - 150	
205 Tl	165	1	41.14	0.04	ppb	1.04	40	102.7	50 - 150	
208 Pb	165	1	40.79	3.51	ppb	1.29	40	93.8	50 - 150	
232 Th	165	1	42.60	0.02	ppb	1.30	40	106.5	50 - 150	
238 U	165	1	49.48	6.87	ppb	0.54	40	105.6	50 - 150	

ISTD Elements

Element	Tune	Counts	RSD(%)	Ref. Counts	Rec(%)	QC Range(%)	QC Flag
6 Li	1	348339	1.03	377196	92.3	30 - 120	
45 Sc	1	796415	1.86	842079	94.6	30 - 120	
72 Ge	1	387686	0.80	438317	88.4	30 - 120	
115 In	1	1421682	0.43	1553503	91.5	30 - 120	
165 Ho	1	3256841	0.81	3491917	93.3	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Duplicate Spike (MSD) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\101_MSD.D\101_MSD.D#
Date Acquired: Aug 26 2011 01:27 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19493-v-4-c msd
Misc Info: MATRIX SPIKE DUPLICATE
Vial Number: 3108
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 26 2011 12:43 am
Sample Type: MSD
Dilution Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

Duplicate Ref File: C:\ICPCHEM\1\DATA\AG082511.B\100_MS.D\100_MS.D#

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Ref Conc	Differ(%)	High Limit	Flag
9 Be	6	1	41.70	ppb	1.52	41.20	1.21	20	
51 V	72	1	54.26	ppb	1.04	55.09	1.52	20	
52 Cr	72	1	43.37	ppb	1.15	42.79	1.35	20	
55 Mn	72	1	43.32	ppb	1.67	43.35	0.07	20	
59 Co	72	1	40.35	ppb	1.73	40.11	0.60	20	
60 Ni	72	1	41.32	ppb	2.38	41.73	0.99	20	
63 Cu	72	1	42.38	ppb	1.52	42.97	1.38	20	
66 Zn	72	1	133.60	ppb	0.71	134.80	0.89	20	
75 As	72	1	43.96	ppb	1.23	43.78	0.41	20	
78 Se	72	1	40.90	ppb	6.35	41.81	2.20	20	
95 Mo	72	1	44.90	ppb	0.43	45.11	0.47	20	
107 Ag	115	1	39.62	ppb	1.09	39.74	0.30	20	
111 Cd	115	1	39.76	ppb	0.92	39.89	0.33	20	
118 Sn	115	1	42.15	ppb	0.69	42.37	0.52	20	
121 Sb	115	1	40.88	ppb	0.29	41.48	1.46	20	
137 Ba	115	1	138.40	ppb	0.26	139.40	0.72	20	
205 Tl	165	1	41.12	ppb	1.54	41.14	0.05	20	
208 Pb	165	1	40.86	ppb	1.32	40.79	0.17	20	
232 Th	165	1	43.69	ppb	0.92	42.60	2.53	20	
238 U	165	1	50.27	ppb	0.50	49.48	1.58	20	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	341463	0.49	377196	90.5	30 - 120	
45 Sc	1	774731	0.66	842079	92.0	30 - 120	
72 Ge	1	381755	0.80	438317	87.1	30 - 120	
115 In	1	1413273	0.37	1553503	91.0	30 - 120	
165 Ho	1	3241230	1.10	3491917	92.8	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref. File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\102SMPL.D\102SMPL.D#
Date Acquired: Aug 26 2011 01:30 am
Acq. Method: NormISIS.M
Operator: LRD
Sample Name: 280-19493-h-5-b
Misc Info:
Vial Number: 3109
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal. Update: Aug 26 2011 12:43 am
Sample Type: SA
Dilution Factor: 1.00
Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6	1	0.02	0.02	ppb	0.78	3600	
51 V	72	1	11.49	11.49	ppb	2.78	3600	
52 Cr	72	1	0.87	0.87	ppb	2.61	3600	
55 Mn	72	1	1.22	1.22	ppb	3.89	18000	
59 Co	72	1	0.05	0.05	ppb	8.48	3600	
60 Ni	72	1	0.43	0.43	ppb	13.52	3600	
63 Cu	72	1	1.45	1.45	ppb	1.77	3600	
66 Zn	72	1	99.14	99.14	ppb	0.25	3600	
75 As	72	1	3.27	3.27	ppb	5.51	3600	
78 Se	72	1	1.14	1.14	ppb	4.78	3600	
95 Mo	72	1	1.41	1.41	ppb	11.08	3600	
107 Ag	115	1	0.01	0.01	ppb	49.74	3600	
111 Cd	115	1	0.02	0.02	ppb	35.35	3600	
118 Sn	115	1	0.07	0.07	ppb	35.76	3600	
121 Sb	115	1	0.16	0.16	ppb	2.50	3600	
137 Ba	115	1	97.54	97.54	ppb	0.47	3600	
205 Tl	165	1	0.03	0.03	ppb	29.69	3600	
208 Pb	165	1	0.45	0.45	ppb	0.63	3600	
232 Th	165	1	0.03	0.03	ppb	10.45	1000	
238 U	165	1	7.43	7.43	ppb	1.79	3600	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	336888	0.78	377196	89.3	30 - 120	
45 Sc	1	782546	1.56	842079	92.9	30 - 120	
72 Ge	1	383517	0.27	438317	87.5	30 - 120	
115 In	1	1392556	0.53	1553503	89.6	30 - 120	
165 Ho	1	3201326	1.06	3491917	91.7	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Verification (CCV) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\103_CCV.D\103_CCV.D#
Date Acquired: Aug 26 2011 01:32 am
Operator: LRD
Sample Name: CCV-944128
Misc Info:
Vial Number: 1107
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 26 2011 12:43 am
Sample Type: CCV
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	Expected	Rec(%)	QC Range(%)	Flag
9 Be	6	1	49.10	ppb	2.29	50	98.2	90 - 110	
51 V	72	1	49.63	ppb	0.33	50	99.3	90 - 110	
52 Cr	72	1	49.52	ppb	1.40	50	99.0	90 - 110	
55 Mn	72	1	49.71	ppb	0.76	50	99.4	90 - 110	
59 Co	72	1	47.63	ppb	1.29	50	95.3	90 - 110	
60 Ni	72	1	50.21	ppb	0.93	50	100.4	90 - 110	
63 Cu	72	1	49.71	ppb	1.31	50	99.4	90 - 110	
66 Zn	72	1	49.44	ppb	0.90	50	98.9	90 - 110	
75 As	72	1	50.00	ppb	1.10	50	100.0	90 - 110	
78 Se	72	1	54.21	ppb	1.51	50	108.4	90 - 110	
95 Mo	72	1	50.47	ppb	2.02	50	100.9	90 - 110	
107 Ag	115	1	49.30	ppb	0.95	50	98.6	90 - 110	
111 Cd	115	1	49.66	ppb	1.72	50	99.3	90 - 110	
118 Sn	115	1	49.69	ppb	1.60	50	99.4	90 - 110	
121 Sb	115	1	49.71	ppb	1.82	50	99.4	90 - 110	
137 Ba	115	1	49.90	ppb	1.41	50	99.8	90 - 110	
205 Tl	165	1	50.10	ppb	1.09	50	100.2	90 - 110	
208 Pb	165	1	49.56	ppb	0.69	50	99.1	90 - 110	
232 Th	165	1	51.32	ppb	2.73	50	102.6	90 - 110	
238 U	165	1	50.41	ppb	1.10	50	100.8	90 - 110	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	343647	1.26	377196	91.1	30 - 120	
45 Sc	1	782161	0.57	842079	92.9	30 - 120	
72 Ge	1	400141	0.98	438317	91.3	30 - 120	
115 In	1	1466044	1.60	1553503	94.4	30 - 120	
165 Ho	1	3294649	1.24	3491917	94.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures
0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

Continuing Calibration Blank (CCB) QC Report

Data File: C:\ICPCHEM\1\DATA\AG082511.B\104_CCB.D\104_CCB.D#
Date Acquired: Aug 26 2011 01:35 am
Operator: LRD
Sample Name: CCB-944134
Misc Info:
Vial Number: 1307
Current Method: C:\ICPCHEM\1\METHODS\NormISIS.M
Calibration File: C:\ICPCHEM\1\CALIB\NormISIS.C
Last Cal Update: Aug 26 2011 12:43 am
Sample Type: CCB
Total Dil Factor: 1.00

QC Summary:
Analytes: Pass
ISTD: Pass

QC Elements

Element	IS Ref	Tune	Conc.		RSD(%)	High Limit	Flag
9 Be	6	1	0.020	ppb	99.90	1.00	
51 V	72	1	0.026	ppb	61.40	1.00	
52 Cr	72	1	0.018	ppb	89.41	1.00	
55 Mn	72	1	0.015	ppb	34.66	1.00	
59 Co	72	1	0.015	ppb	58.36	1.00	
60 Ni	72	1	0.034	ppb	8.37	1.00	
63 Cu	72	1	0.056	ppb	29.12	1.00	
66 Zn	72	1	0.079	ppb	11.86	1.00	
75 As	72	1	0.016	ppb	41.34	1.00	
78 Se	72	1	0.002	ppb	3054.80	1.00	
95 Mo	72	1	0.002	ppb	879.90	1.00	
107 Ag	115	1	0.021	ppb	11.55	1.00	
111 Cd	115	1	0.020	ppb	38.94	1.00	
118 Sn	115	1	0.040	ppb	25.94	1.00	
121 Sb	115	1	0.025	ppb	14.68	1.00	
137 Ba	115	1	0.026	ppb	59.89	1.00	
205 Tl	165	1	0.037	ppb	13.03	1.00	
208 Pb	165	1	0.019	ppb	17.77	1.00	
232 Th	165	1	0.034	ppb	13.96	1.00	
238 U	165	1	0.019	ppb	11.47	1.00	

ISTD Elements

Element	Tune	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1	349611	1.05	377196	92.7	30 - 120	
45 Sc	1	774029	0.78	842079	91.9	30 - 120	
72 Ge	1	405109	0.16	438317	92.4	30 - 120	
115 In	1	1465455	0.99	1553503	94.3	30 - 120	
165 Ho	1	3295158	1.37	3491917	94.4	30 - 120	

Tune File# 1 c:\icpchem\1\7500\he.u
Tune File# 2 C:\ICPCHEM\1\7500\
Tune File# 3 C:\ICPCHEM\1\7500\

ISTD Ref File : C:\ICPCHEM\1\DATA\AG082511.B\085CALB.D\085CALB.D#

0 :Element Failures
0 :ISTD Failures

0 :Max. Number of Failures Allowed
0 :Max. Number of ISTD Failures Allowed

83214-6020 water
83215-200.8
83216-soil

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Denver

ICP/MS Technical Data Review Checklist

Lab Project ID Number(s): see attached cover sheet Check Method/SOP Used: ☐6020/DV-MT-0018 ☐200.8/DV-MT-0002

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments & Samples Affected
Tune					
1. Tune solution analyzed min. of 4 times for 6020 or 5 times for 200.8?	✓				
2. Tune RSD <5%?	✓				
2. Resolution ≤ 0.9 AMU full width at 10% peak height? **NOTE**: This also satisfies 200.8, 1.0 AMU at 5% peak height	✓				
Initial Calibration					
1. Done with a minimum of 3 integrations of a high standard and blank?	✓				
2. ICV/CCV run at beginning of run, 10% frequency, and end of run? Results with 10% of expected value?	✓				
3. ICB/CCB run at beginning of run, 10% frequency, and end of run? Results +/- RL	✓				
4. ICSA/AB analyzed at beginning of run and every 12 hours and results 80-120% of TV?	✓				
5. RL Std analyzed at beginning of run and results +/- 50% of TV(for AFCEE 4.0, DoD V3 +/- 20% of true value)?	✓				
Client Samples & QC Sample Results					
1. Were all samples within linear range, ≤ 90% of LDR for 200.8?	✓				
2. Dilutions due to target elements?____ Dilutions for other reasons?____		✓			
3. All reported results bracketed by in control QC?	✓				
4. All 6020 internal standards for all analyses 30-120% of intensities in blank or all 200.8 internal standards 60-125%?	✓				
5. Was a 5X serial dilution analyzed for 6020 and, if so, are results ± 10% of original result, if original ≥ 100x MDL?	✓				
6. LCS included in batch and within QC limits?	✓				
7. Method blank included and <1/2RL?	✓				
8. MS and MSD included in batch?	✓				
9. PDS analyzed and recovery 75-125%?	✓				
10. Manual calculations documented properly and checked?	✓				
11. Are non-conformances documented on an NCM?	✓				
12. Is the appropriate raw data included?	✓				
13. Are all results manually entered into LIMS verified? Are all electronic data files archived to the appropriate network locations?	✓				
14. Were special client requirements met?	✓				

1st Level Reviewer: [signature] Date: 8/26/11

2nd Level Reviewer: [signature] Date: 8/26/11

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Batch Number: 82828 Batch Start Date: 08/25/11 05:30 Batch Analyst: Ivey, Crystal L

Batch Method: 3050B Batch End Date: 08/25/11 10:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ICP SPK 2A 00030	ICP SPK 3A 00031		
MB 280-82828/1		3050B, 6010B		1.06 g	100 mL				
LCS 280-82828/2		3050B, 6010B		1.03 g	100 mL	1 mL	1 mL		
280-19387-B-1-C	NWO-178-1001	3050B, 6010B	T	1.07 g	100 mL				
280-19387-B-2-D	NWO-178-1002	3050B, 6010B	T	1.08 g	100 mL				
280-19387-E-3-C	NWO-178-5002	3050B, 6010B	T	1.03 g	100 mL				
280-19387-E-3-D MS	NWO-178-5002	3050B, 6010B	T	1.04 g	100 mL	1 mL	1 mL		
280-19387-E-3-E MSD	NWO-178-5002	3050B, 6010B	T	1.02 g	100 mL	1 mL	1 mL		

Batch Notes	
Balance ID	M28318
Hydrogen peroxide lot number	J33A03
Lot # of hydrochloric acid	K20033
Lot # of Nitric Acid	K19023
Hood ID or number	09
Hot Block ID number	02
Oven, Bath or Block Temperature 1	90 Degrees C
Oven, Bath or Block Temperature 2	95 Degrees C
Pipette ID	MET-007
ID number of the thermometer	908001558
Digestion Tube/Cup Lot #	1012120

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-19387-1

SDG No.:

Batch Number: 82829 Batch Start Date: 08/25/11 05:30 Batch Analyst: Ivey, Crystal L

Batch Method: 3050B Batch End Date: 08/25/11 10:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MS CALSTD-1 00048	MS CALSTD-2 00046		
MB 280-82829/1		3050B, 6020		1.00 g	100 mL				
LCS 280-82829/2		3050B, 6020		1.07 g	100 mL	1 mL	1 mL		
280-19387-B-1-C	NWO-178-1001	3050B, 6020	T	1.05 g	100 mL				
280-19387-B-2-D	NWO-178-1002	3050B, 6020	T	1.01 g	100 mL				
280-19387-E-3-C	NWO-178-5002	3050B, 6020	T	1.01 g	100 mL				
280-19387-E-3-D MS	NWO-178-5002	3050B, 6020	T	1.01 g	100 mL	1 mL	1 mL		
280-19387-E-3-E MSD	NWO-178-5002	3050B, 6020	T	1.00 g	100 mL	1 mL	1 mL		

Batch Notes	
Balance ID	M28318
Hydrogen peroxide lot number	J24J00
Lot # of hydrochloric acid	K20033
Lot # of Nitric Acid	K19023
Hood ID or number	09
Hot Block ID number	01
Oven, Bath or Block Temperature 1	93 Degrees C
Oven, Bath or Block Temperature 2	95 Degrees C
Pipette ID	MET-007
ID number of the thermometer	908001800
Digestion Tube/Cup Lot #	1012120

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

TestAmerica
ANALYTICAL TESTING CORPORATION

CHAIN OF CUSTODY RECORD
AR/COC No. NWO-178-002

3.8°C

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?

Compliance Monitoring? No
Enforcement Action? No

Client Name/Account #: Shaw Environmental, Inc.
Address: 312 Directors Drive
City/State/Zip: Knoxville, TN 37923
Project Chemist: Tim Roth
Telephone Number: 865.560.5272 Fax No.: 865.693.4944
Sampler Name: (Print) Laura Jorgensen
Sampler Signature: LJorgensen

Report To: Tim Roth
Invoice To: Tim Roth
TA Quote #: 73382
Project ID: Pocatello Bombing Range No. 3
Project #: 116188.17808000

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Incremental Sample Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	None (Black Label)	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sediment	Soil	Other (specify):	Analyze For: Explosives by SW-846 8330 (Modified) (1 x 8oz CWM Jar)	Aluminum by SW846 6010B (1 x 8oz CWM Jar)	Barium by SW846 6020 (1 x 8oz CWM Jar)	Anthracene and Hexachloroethane by SW-846 8270C (1 x 8oz CWM Jar)						RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results	Send QC with report
NWO-178-1001	8-20-11	0957	2	X		NA	X											X			X	X	X	X							X		X
NWO-178-1002	8-20-11	0957	2	X		NA	X											X			X	X	X	X							X		X
NWO-178-5002	8-17-11	1646	2	X		NA	X											X				X	X	X							X		X
NWO-178-5002-MS	8-17-11	1646	2	X		NA	X											X				X	X	X							X		X
NWO-178-5002-MSD	8-17-11	1646	2	X		NA	X											X				X	X	X							X		X

Special Instructions:
Level IV data package / SEDD 2a EDD / 21 Calendar TAT

Method of Shipment: BY HAND ~~FEDEX~~

Laboratory Comments:
Temperature Upon Receipt:
VOCs Free of Headspace? Y N

Relinquished by:	Date	Time	Received by:	Date	Time
LJorgensen	8-22-11	0900	[illegible]	9:20 8-22-11	
Relinquished by: [illegible]	8-22-11	9:20	Received by TestAmerica: [illegible]	8-22-11	1010

Login Sample Receipt Checklist

Client: Shaw Environmental & Infrastructure, Inc

Job Number: 280-19387-1

Login Number: 19387

List Source: TestAmerica Denver

List Number: 1

Creator: Cofoid, Stephen T

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix G
Analytical Data QA/QC Report

Table of Contents

Page

List of Tables ..... G-ii
List of Attachments ..... G-ii
List of Acronyms ..... G-iii
G.1.0 Introduction G-1
G.2.0 Field Sampling and QC Activities G-3
G.2.1 Duplicate Samples G-4
G.2.2 USACE Split Samples G-6
G.2.3 Equipment Rinsates G-6
G.2.4 Field Blanks G-6
G.3.0 Analytical Program and QC Activities G-7
G.3.1 Laboratory QA/QC Procedures G-7
G.3.1.1 Method Blanks G-7
G.3.1.2 Surrogate Spikes G-8
G.3.1.3 Internal Standards G-8
G.3.1.4 Matrix Spikes and Laboratory Control Spikes G-8
G.3.1.5 Calibrations G-10
G.3.1.6 Second Column Confirmation G-10
G.3.1.7 Serial Dilutions G-11
G.3.2 Reporting Limits G-11
G.3.3 Holding Times G-12
G.4.0 Data Evaluation and Usability G-13
G.4.1 Statement of Data Usability G-18

List of Tables

Table	Title
G-1	Summary of Samples Collected and Sample Tracking Information
G-2	Summary of Soil Parent and Field Triplicate Results and Standard Deviation Calculations
G-3	Summary of Sediment Parent and Field Duplicate Results and RPD Calculations
G-4	Laboratory Qualifier and Data Validation Qualifier Definitions
G-5	Data Validation Qualifier Reason Code Definitions
G-6	Summary of Negatively Impacted Sample Results Associated with Adverse QC Criteria
G-7	Comparison of Bombing Range No. 3 MRS Soil Results to Site Inspection Screening Levels
G-8	Comparison of Bombing Range No. 3 MRS Sediment Results to Site Inspection Screening Levels
G-9a	Soil Background Results
G-9b	Sediment Background Results
G-10	Equipment Rinsate Results

List of Attachments

Attachment	Title
1	Summary of Analytical Results
2	Summary of Analytical Results greater than the MDL
3	Approved Variances

List of Acronyms

ADR	automated data review
AR/COC	Analysis Request/Chain of Custody
BR	Bombing Range
CCB	continuing calibration blank
CCV	continuing calibration verification
CLP	Contract Laboratory Program
DQO	data quality objectives
ER	equipment rinsate
ft bgs	feet below ground surface
FUDS	Formerly Used Defense Sites
HB	high bias
HMX	octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
HPLC	High-Performance Liquid Chromatography
ICAL	initial calibration
ICB	initial calibration blank
ICV	initial calibration verification
ID	identification
IS	incremental sampling
LB	low bias
LCS	laboratory control sample
LCSD	laboratory control sample duplicate
MC	munitions constituents
MDL	method detection limit
mg/kg	milligram per kilogram
MMRP	Military Munitions Response Program
MS	matrix spike
MSD	matrix spike duplicate
NC	not calculated
NWO	Omaha District Military Munitions Design Center
PETN	pentaerythritol tetranitrate
PQL	practical quantitation limits
QA/QC	quality assurance/quality control
RDX	hexahydro-1,3,5-trinitro-1,3,5-triazine

RL	reporting limit
RPD	relative percent difference
RRF	relative response factor
RSD	relative standard deviation
%RSD	percent relative standard deviation
SAP	sampling and analysis plan
SEDD	staged electronic data deliverable
SDG	sample delivery group
Shaw	Shaw Environmental, Inc.
SI	site inspection
SOPs	standard operating procedures
SS WP	site specific-work plan
SVOC	semivolatile organic compound
TA	Test America, Inc.
Tetryl	methyl-2,4,6-trinitrophenylnitramine
ug/L	microgram per liter
USACE	United States Army Corps of Engineers
USEPA	United States Environmental Protection Agency

G.1.0 Introduction

This appendix presents the Analytical Data Quality Assurance/Quality Control (QA/QC) Report for the Pocatello Bombing Range (BR) No. 3 Site Inspection (SI). This report will discuss results of the QA/QC measures implemented during the sampling and analysis of the SI. The Pocatello BR No. 3, located approximately 25 miles northwest of Blackfoot and approximately 8 miles due south of Atomic City in Bingham County, Idaho, was investigated under the Formerly Used Defense Site (FUDS), Military Munitions Response Program (MMRP) for the U.S. Army Corps of Engineers (USACE). The quality indicators from every aspect of the data collection have been reviewed, and an assessment of the data with regard to project-specific objectives is presented. Successful execution of project-specific objectives and procedures provides strong support for the acceptance of the data as adequate for the purpose of evaluating the presence of munitions constituents (MC) at Pocatello BR No. 3.

The data review process presented in this report compares sample results to pre-established criteria referenced in Shaw Environmental, Inc.'s (Shaw) FUDS MMRP Sampling and Analysis Plan (SAP), (Shaw, 2006a) to confirm that the data are of acceptable technical quality. Test America, Inc. (TA) - Denver provided Shaw with a Level 4 data package including "Contract Laboratory Program (CLP)-Like" summary forms and Staged Electronic Data Deliverables (SEDD) Stage 2a (version Draft 5.0) for all sample delivery groups (SDG). Shaw conducted a data assessment on all samples collected in support of this SI. One-hundred percent of the analytical data have been reviewed and validation qualifiers assigned based on U.S. Environmental Protection Agency (USEPA) CLP *National Functional Guidelines for Organic Data Review,* October 1999 and USEPA CLP *National Functional Guidelines for Inorganic Data Review*, October 2004. Automated Data Review (ADR) software (version 8.3) was used to assist in the data validation process for all areas with the exception of initial calibrations (ICALs), initial calibration verification (ICVs), continuing calibration verifications (CCVs), initial calibration blanks (ICB), continuing calibration blanks (CCBs), interference check standards, serial dilutions, internal standards, second column confirmation, and field triplicate evaluations, which were assessed manually. Data were evaluated against specific criteria to verify the achievement of all precision, accuracy, representativeness, completeness, comparability, and sensitivity goals established to meet the project data quality objectives (DQO).

To verify that these DQOs were met, field measurements, sampling and handling procedures, laboratory analysis and reporting, and all non-conformances and discrepancies in the data were examined to determine compliance with the appropriate and applicable procedures. The results of this review are presented in the following sections, with all outliers or non-conformances discussed where they occurred.

This report is divided into three sections. Section G.2.0 discusses the overall field investigation and QC procedures used by Shaw during the sampling effort. Section G.3.0 outlines the analytical program and the associated QC activities as specified in Shaw's Pocatello BR No. 3 Site-Specific Work Plan (SS WP) and Shaw's FUDS MMRP SAP (here in after referred to as the Type I Work Plan). The final part of this document, Section G.4.0, summarizes the data findings and their overall impact on the usability of the analytical data.

G.2.0 Field Sampling and QC Activities

Shaw is responsible for conducting the SI at Pocatello BR No. 3, under MMRP Contract No W912DY-04-D-0010, Delivery Order 003 managed by the Northwestern Division Omaha District Military Munitions Design Center (NWO). Field activities at this site included the collection of soil samples (< 0.5 feet below ground surface [ft bgs]) from seven sampling units and sediment samples from two discrete locations. Soil from each sampling unit was collected employing the incremental sampling (IS) technique and analyzed for explosives, metals (aluminum and barium only), and semivolatile organic compounds (SVOC) (anthracene and hexachloroethane only). Sampling units sampled by IS technique include locations designated as 178A001, 178A002, 178A003, 178A004, 178A005, 178A006, and 178A010. One equipment rinsate (ER) sample was also collected during this SI. Samples were submitted to TA-Denver for the following requested analyses:

- Explosives including nitroglycerine and pentaerythritol tetranitrate (PETN) by SW-846 8330B and SW-846 8330 (Modified)
- Anthracene and hexachloroethane by SW-846 8270C (soil extraction method SW-846 3550C; aqueous extraction method 3520C)
- Aluminum by SW-846 6010B (soil extraction method SW-846 3050B; aqueous extraction method 3010A)
- Barium by SW-846 6020A (soil extraction method SW-846 3050B; aqueous extraction method 3020A)

IS soil samples were air dried for a minimum of 24 hours followed by sieving through a 10-mesh sieve (< 2 millimeter particle size). The sieved IS samples were then evenly distributed across a clean surface. Thirty or more randomly located increments were removed from the sample to form each 10-gram sub-samples for metals analysis and each 40-gram sub-samples for SVOC analysis. For metals digestion, the 10-gram sub-sample was subdivided into five 2-gram sub-samples digested in five separate digestion tubes. The five 2-gram aliquot is designed to accommodate for the maximum sample amount that the laboratory's digestion blocks can operate effectively. The final digestates of each of the five sub-samples were recombined during the filtering step as one digestate for metals analysis. For SVOC analysis, a 30-gram aliquot for each sample was extracted per the laboratory's preparation method SW-846 3550C standard operating procedure (SOP).

Once the metals fraction and SVOC fraction sub-sampling were completed, the remaining IS sample portion was prepared for explosives analysis. The laboratory ground the sieved material per SW-846 Method 8330B guidelines to a particle size of < 75 microns. The entire ground sample was then

mixed and spread out over a clean surface, and 30 or more randomly located increments were removed from the sample to form a 10-gram aliquot. The 10-gram aliquot of soil was then extracted with 20 milliliters of acetonitrile and analyzed by High-Performance Liquid Chromatography (HPLC) equipped with a dual wavelength detector or a diode array detector.

Table G-1 summarizes the location identification (ID), the sample identity or number, sample purpose, sample type, date of collection, TA-Denver's SDG sample ID, and the analytical program for each sample collected for the Pocatello BR No. 3 SI. Sample shipments from the field were performed under custody and documented using standard TA-Denver Analysis Request/Chain of Custody (AR/COC) forms. These forms provide project-specific analytical specifications and QC instructions to the laboratory. No amendments were made to the original AR/COCs associated with the Pocatello BR No. 3 SI.

G.2.1 Duplicate Samples

Field duplicate and field triplicate samples are collected and submitted "blind" to the laboratory for analysis along with their corresponding original sample. The data generated from the analyses of field duplicate and field triplicate samples are used to evaluate the precision of the sample collection and analysis procedures. Field duplicate samples are generally collected at a frequency of approximately one for every ten samples collected (10 percent) per matrix. One sampling unit was sampled in triplicate to evaluate the precision of the IS technique employed at seven sampling units at Pocatello BR No. 3.

A high relative percent difference (RPD) value between a regular field sample's result and its corresponding duplicate's results may be attributed to the difference in sample matrix or distribution of the constituent within the sample, rather than the lack of precision of the collection process. Also, when "estimated" results are reported, there is a potential for increased variability between the primary and duplicate sample results. At low concentrations the relative difference in results is magnified by the RPD calculation even though the results are comparable in absolute terms. There is also increased uncertainty in the results as the lower limit of detection is approached, due to decreasing analytical accuracy. RPD is calculated by using the following formula:

$$\text{RPD} = \frac{(V_1 - V_2)}{\frac{(V_1 + V_2)}{2}} \times 100$$

where:
RPD = relative percent difference
V1 = value 1; V2 = value 2

A high relative standard deviation (RSD) calculated from a set of replicates collected within a sampling unit may be indicative of the following:

- lack of sample representativeness due to the insufficient number of increments collected within a sampling unit and/or
- laboratory's processing procedures were not adequate to control effects of distributional or compositional heterogeneity

It should be noted that at very low concentrations (i.e., at or near the method reporting limits (MDL), %RSD will tend to increase even though absolute differences in results may be small. RSD is calculated by using the following formula:

$$RSD = \left(\frac{\left(\frac{\sum (x_i - \bar{x})^2}{(n-1)} \right)^{1/2}}{\bar{x}} \right) * 100$$

where:
x_i = replicate concentration
$\bar{x}$ = average concentration
n = number of replicates

The field triplicate samples were independently collected at sampling unit 178A001 employing the IS technique and analyzed by the laboratory to assess whether the grinding (explosives only), mixing, and sub-sampling adequately addressed the compositional and distribution heterogeneity in the sample matrix. Precision was measured by calculating the RSD between the triplicate results. Precision evaluation QC criteria of RSD <30% for soil matrices is established for this SI. In cases where the field triplicate results are less than the MDL, the corresponding MDL value is used in the RSD calculation for the non-detect target analyte. Table G-2 summarizes the calculated RSDs for the field triplicate samples. All calculated RSDs met the QC evaluation criteria of RSD < 30%.

One field duplicate sample was collected in immediate succession after the initial parent sample was collected employing identical recovery techniques at sediment location 178A009. In cases where field duplicates were performed and both results are less than the MDL and cases where one result is greater than the MDL, and the second result is non-detect, the RPD is not calculated. In these cases where the RPD was not calculated, "NC" (not calculated) is denoted in the RPD column. Precision evaluation criteria for field duplicate comparison was established at RPD<50% for sediment. Table G-3 summarizes the calculated RPDs between the regular field sample results and its corresponding field duplicate results. All calculated RPDs between the parent sample values and their corresponding field duplicate values met the evaluation criteria.

G.2.2 USACE Split Samples

No USACE field split samples were collected during the Pocatello BR No. 3 SI.

G.2.3 Equipment Rinsates

ER sample NWO-178-8001 was collected during the Pocatello BR No. 3 SI field activities. Data reported for sample NWO-178-8001 are used to assess the effectiveness of the decontamination procedures used by the sampling team on reusable sampling equipment. Sample NWO-178-8001 was free from contamination with the exception of barium reported at 2.26 micrograms per liter (ug/L). No qualification of the data was required due to barium results reported in SI samples being greater than "5x" the level of barium contamination reported in ER sample NWO-178-8001.

G.2.4 Field Blanks

Field blanks or material blanks are collected to assess potential contamination introduced to the sample matrix in the field through sample handling procedures. Field blanks are prepared from a clean source water (deionized water) used during decontamination procedures. No field blanks were collected during the Pocatello BR No. 3 SI.

G.3.0 Analytical Program and QC Activities

The project QA/QC program described in the SS WP and Shaw's Type I Work Plan was followed for the collection and laboratory analysis of samples associated with this SI. Each of the analytical methods used require that method-specific QA/QC protocols be followed during sample analysis. These protocols are a critical part of the methods employed and were followed by the laboratory during sample analysis. Specific measures included detailed record keeping procedures, instrument calibrations, and analysis of method blanks, blank spikes, and matrix spikes (MS). Attachment 1 and Attachment 2 to this report contain both a summary of analytical results and a summary of analytical results greater than the MDL, respectively. These data summaries also include the assigned data validation qualifiers. Definitions of laboratory and data validation qualifiers are found in Table G-4. Data validation qualifier reason code definitions are found in Table G-5. Approved variances to Shaw's Type I Work Plan are included as Attachment 3.

G.3.1 Laboratory QA/QC Procedures

The following sections discuss a few of the QA/QC protocols required and performed by the laboratory during this SI.

G.3.1.1 Method Blanks

Method blanks were analyzed with each analytical "batch" processed on a per matrix (i.e., soil and water) basis. These blanks were carried step-wise through the same analytical procedure as the field samples including the addition of solvents, surrogate and standard spikes, and reagents as required in the analysis process. The purpose of the blank is to identify any possible contaminants that may be introduced to the sample as a result of the analytical process. During validation, the data validators evaluated all blank data associated with each sample. Data were evaluated based on USEPA CLP *National Functional Guidelines for Organic Data Review* and USEPA CLP *National Functional Guidelines for Inorganic Data Review* guidance documents and were qualified accordingly.

Target analytes detected in associated blanks increase the uncertainty regarding the presence of the same constituents in field samples. Field sample concentrations were evaluated using the "5X/10X Rule" during data validation to determine if the sample results could have been biased by the presence of any contamination measured in method blanks, ICBs and/or CCBs. No sample results associated with this SI were impacted by blank contamination.

G.3.1.2 Surrogate Spikes

Spiked surrogate compounds were used in the analytical program to monitor the efficiency of the sample preparation and accuracy of the analysis of SVOCs by SW-846 8270C and explosives by SW-846 8330B or SW-846 8330 (Modified) on a sample-by-sample basis. It should be noted only the three base/neutral surrogates for method SW-846 8270C were evaluated against their target acceptance limits specified in Shaw's Type I Work Plan. The recoveries for all spiked base/neutral surrogate compounds were within QC criteria for all field samples associated with this SI. TA-Denver spikes all samples analyzed for explosives by SW-846 8330B or SW-846 8330 (Modified) with 1,2-dinitrobenzene. Explosive surrogate 1,2-dinitrobenzene spike recoveries were within QC criteria for all field samples associated with this SI.

G.3.1.3 Internal Standards

Internal standards are known amounts of standards added to an aliquot of sample or sample extract and carried through the entire analytical procedure. Internal standards are added to all field samples, laboratory controls, and blanks in accordance with the referenced method requirements. They are used as a basis for quantitation of target analytes. Internal standard retention times and recoveries are compared against acceptance limits presented in Shaw's Type I Work Plan. Acceptable internal standard performance criteria ensure that method sensitivity and instrument response are stable during every analytical run. All internal standard retention times and spike recoveries met the established acceptance criteria for SI samples analyzed for SVOCs by method SW-846 8270C.

G.3.1.4 Matrix Spikes and Laboratory Control Spikes

Two types of spikes were generally performed for all analyses: those spikes applied to the sample matrix, identified as MS, and those applied to a "blank" matrix known as a laboratory control sample (LCS). The spiked compounds are target analytes that are quantified during performance of the method. Spikes are introduced during sample preparation on an aliquot of the sample, or a blank matrix. Results of these spiked aliquots are then compared to the native concentrations of the same analytes and a recovery calculated. Recovery of the spiked compound is used as an assessment of analytical accuracy on the sample matrix analyzed. These results are useful in distinguishing sample matrix interferences from analysis interferences through a comparison of MS and blank spike recovery data. Often, MSs are performed in duplicate (as a matrix spike duplicate [MSD] or LCS duplicate [LCSD]) on prepared sample aliquots. In this manner, an assessment of precision can be quantified as the RPD of the original and duplicate spike. The target acceptance limits are presented in Shaw's Type I Work Plan.

Matrix spikes are assigned at a frequency of approximately 5%, or 1 for every 20 field samples collected. Two MS/MSD pairs were collected in the field and are associated with IS sample NWO-178-0003 and sediment sample NWO-178-5002. These samples correspond to sample locations 178A003 and 178A011, respectively. If a sample is designated for analysis as an MS/MSD, additional sample volume is provided to the laboratory. This sampling meets the collection criteria as specified in Shaw's Pocatello BR No. 3 SS-WP and Type I Work Plan. The MS/MSD criteria were met with the exception of the following, which exhibited percent recoveries and/or RPDs outside QC limits:

SDG	Analysis	Sample Number	Analyte(s)	Action
280-19386-1	SW-846 8330B	NWO-178-0003 (MS/MSD)	2,4-Dinitrotoluene (HB) 2-Amino-4,6-dinitrotoluene (LB, RPD) 4-Amino-2,6-dinitrotoluene (LB, RPD)	2-Amino-4,6-dinitrotoluene and 4-amino-2,6-dinitrotoluene results reported for samples NWO-178-0003 were qualified "UJ" due to MS/MSD spike recoveries and calculated RPDs exceeding QC criteria. Results may be biased low. No qualification required for 2,4-dinitrotoluene. Target analyte was not detected in sample NWO-178-0003 above the laboratory's MDL.
280-19387-1	SW-846 6010B	NWO-178-5002 (MS/MSD)	Aluminum (HB)	No qualification required; parent sample concentration was "4x" greater than the MS – MSD spike concentration.
	SW-846 6020A	NWO-178-5002 (MS/MSD)	Barium (MS-HB/MSD-LB)	No qualification required; parent sample concentration was "4x" greater than the MS – MSD spike concentration.

HB – high bias
LB – low bias
RPD – relative percent difference

All other MS/MSD parameters met the target acceptance criteria required as established in Shaw's Type I Work Plan.

LCS results are used to evaluate laboratory method performance in the same manner as the MS/MSD results, except the LCS is not performed on an actual field sample matrix. An LCS is prepared for each analytical batch for each parameter and matrix analyzed. All LCS recoveries met the acceptance criteria established in Shaw's Type I Work Plan.

G.3.1.5 Calibrations

Initial calibration information is verified to demonstrate that reported results are comparable to known concentrations of target compounds. A series of standard reference solutions containing all target constituents are analyzed using the type of instrumentation specified by the method. The standards are used to determine the sensitivity of the analysis and the effective analytical (i.e., linear) range for which data can be accurately reported.

ICAL Percent Relative Standard Deviation (%RSD) indicates that a nonlinear response was obtained during the initial calibration. A low ICAL mean Relative Response Factor (RRF) indicates the compound exhibits poor response to the selected method (or detector). For all sample analyses, the ICAL correlation coefficient of > 0.995 (the industry standard) and %RSD acceptance criteria of < 20% (the criteria for RRF and %RSD are based on SW-846 Method 8000B) were met for all analyses. No sample results were impacted based on ICVs, or bracketing CCVs results.

TA-Denver analyzed a blank and 1 calibration standard to establish each instrument's ICAL for metals analyses. All instrument ICAL, Contract Required Quantitation Limit standards, Interference Check Samples, and bracketing ICVs / CCVs percent recoveries met the target acceptance criteria as established in Shaw's Type I Work Plan.

G.3.1.6 Second Column Confirmation

Sample results reported from gas chromatography or high performance-liquid chromatography methodologies (i.e., SW-846 8330) are confirmed by using a dissimilar column or dissimilar detector. The analyte(s) must be detected by both the primary and confirmation columns or detectors in order for the analyte(s) to be confirmed as being present in the sample. Agreement or analytical precision between the two results is calculated as RPD. If the calculated RPD between the two differing columns or detectors exceeds 40%, then the result reported from the primary column is reported as estimated or "J" qualified. It should be noted at low concentrations the relative difference in results is magnified by the RPD calculation even though the results are comparable in absolute terms. There is also increased uncertainty in the results as the lower limit of detection is approached, due to decreasing analytical accuracy. Also, if analytes co-elute on the confirmation column; results reported from the primary column are qualified "J" as estimated. All samples associated with this SI were non-detect for target analyte explosives.

G.3.1.7 Serial Dilutions

For metals analyses, a serial dilution is analyzed to verify that no matrix effects are present. A percent difference is calculated between the original result and a second result calculated from a 1:4 dilution of the original sample. Shaw's Type I Work Plan serial dilution criteria is established as follows: percent difference of < 10% for original results greater than 50x their corresponding MDL for analytes analyzed by method SW-846 6010B or percent difference of < 10% for original results greater than 100x their corresponding MDL for analytes analyzed by method SW-846 6020A. Serial dilutions were performed on SI samples NWO-178-0003 and NWO-178-5002. Results met acceptance criteria with the following exceptions:

SDG	Sample(s) Affected	Analytical Method	Analyte(s)	Validation Qualifier Applied
280-19386-1	NWO-178-0003	SW846 6010B	Aluminum	J
280-19387-1	NWO-178-5002	SW846 6010B	Aluminum	J

G.3.2 Reporting Limits

Practical quantitation limits (PQL) used for this project are those statistically determined by TA-Denver. The analytical program executed required the use of SW-846 methods, which specify the procedure for calculating the PQLs presented. Each laboratory is required to demonstrate method performance through MDL studies for every method employed. These studies are required to be laboratory-specific so that individual laboratory variables such as equipment brands, reagent suppliers, and chemist technique are factored into the performance study. MDLs are established using controlled matrices (i.e., deionized water). The PQL calculation adjusts the limit by a predetermined mathematical factor for the analysis of actual environmental sample matrices (i.e. soil, groundwater, etc.). For purposes of clarity and consistency with respect to terminology, the term "reporting limit" (RL) has been substituted for PQL when referencing the limit of detection reported by the laboratory for each individual sample and parameter. The actual values reported have been corrected for all necessary dilutions, dryness, and interference factors as applicable based on the resulting analytical data for a sample. MDLs, PQLs, and RLs are generally defined as follows:

- ***MDL.*** The minimum concentration of an analyte that can be determined with 99 percent confidence that the true value is greater than zero.
- ***PQL.*** The lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. The PQL is set at the lowest standard used in the ICAL or higher for each target analyte.

- ***RL.*** This number is equivalent to the PQL.

The MDL is the lower limit at which the laboratory can differentiate a measurement from background. The MDL is determined in accordance with the procedures in 40 Code of Federal Regulations Part 136. A PQL, or RL, is the lower limit at which a measurement becomes meaningful. The RL is generally a multiple of three to five times the MDL.

In some cases, TA-Denver's RLs are slightly higher than those listed in Shaw's Type I Work Plan. Actual sample reporting limits can be reviewed on a sample by sample basis by reviewing the data summary presented in Attachment 1. Also, a general comparison of laboratory reported results, laboratory PQLs, and laboratory MDLs to SI screening levels for soil and sediment samples are found in Table G-7 and Table G-8, respectively. Reported sample results provide sufficient sensitivity in regarding the presence of SI metals of interest and explosives associated with past military activities at this site.

G.3.3 Holding Times

All laboratory results submitted for this SI have been reviewed with respect to laboratory adherence to extraction and analysis holding times. Maximum sample extraction and analysis hold times are presented in Tables 4-1 and 4-2 of Shaw's Type I Work Plan. All holding time criteria were met by TA-Denver. All sample shipments were received by TA-Denver within the required temperature criteria ($4 \pm 2^{o}C$).

G.4.0 Data Evaluation and Usability

The analytical data review process identified a few analytical nonconformance issues that were noted during this SI. These exceedances have been discussed in the text of this Analytical Data QA/QC Report. Table G-6 summarizes impacted sample results associated with QC exceedances. Table G-4 defines laboratory and data validation qualifiers and Table G-5 defines data validation qualifier reason codes. The following definitions are used for defining precision, accuracy, representativeness, completeness, comparability, and sensitivity as they have been applied to this evaluation:

Precision. Precision is a measurement of mutual agreement among individual measurements of the same property, usually under prescribed similar conditions. For this project, precision data were obtained through the analysis and evaluation of field duplicate samples as RPD or field triplicate samples as RSD. RPD is calculated as follows:

$$\text{RPD} = \frac{(V_1 - V_2)}{\frac{(V_1 + V_2)}{2}} \times 100$$

where:
RPD = relative percent difference
V1 = value 1; V2 = value 2

RSD is calculated as follows:

$$RSD = \left(\frac{\left(\frac{\sum (x_i - \bar{x})^2}{(n-1)} \right)^{1/2}}{\bar{x}} \right) * 100$$

where:
x_i = replicate concentration
$\bar{x}$ = average concentration
n = number of replicates

Regular field sample and their corresponding duplicate sample comparisons show that the field team is consistent in their sample collection practices. Duplicate results are summarized in Section G.2.1, Table G-2, and Table G-3. Precision was also evaluated through the comparison of MS and MSD or LCS and LCSD results. The spiked samples (MS, MSD, LCS, LCSD) RPDs are evaluated during

data validation and data are qualified accordingly. RPDs reported within the acceptance criteria indicate that the laboratory is performing adequately and that the results are reproducible for the analytes of interest at this site. Acceptance criteria are defined in Shaw's Type I Work Plan for each analyte of concern. These data and all necessary qualifications are discussed in Section G.3.1.4. The noted QC exceedances discussed in these sections resulted in the qualification of the reported data as being estimated ("UJ"). In respect to precision, the data are usable for their intended purpose.

Accuracy. Accuracy is a measurement of bias in a system and is expressed as a percent recovery. Accuracy is typically determined through the analysis and evaluation of blanks, LCSs, and MS/MSD samples. Percent recovery is calculated as follows:

$$\% \text{ Recovery} = 100 \times \frac{\text{measured value}}{\text{true value}}$$

MS/MSDs, LCS, and surrogates and all data qualifications are summarized in Sections G.3.1.2 and G.3.1.4. The noted QC exceedances discussed in these sections resulted in the qualification of the reported data as being estimated ("UJ"). In respect to accuracy, the data are usable for their intended purpose.

Representativeness. Representativeness is a qualitative parameter that expresses the degree to which sample data actually represent the matrix and site conditions. General requirements and procedures referenced in Shaw's Type I Work Plan and corporate SOPs for sample collection and handling are designed to maximize sample representativeness. Representativeness also can be monitored by reviewing field documentation and by performing field audits. Soil samples were collected at sampling units likely to be representative of MC contamination based on past military operations as presented in the Pocatello BR No. 3 SI conceptual site model supplemented by visual reconnaissance. Sediment samples were collected based on surface topography and drainage, at locations that are within a surface water or runoff pathway downslope of a specific potential source area. All samples were collected using SOPs and were fully documented through the use of standard field forms. Samples are representative of the matrix and site sampled.

Completeness. Analytical completeness is a measure of the amount of valid data obtained during a sampling event as compared to the amount of data planned for collection and determined to be usable for the intended purpose. Typically, an overall analytical completeness goal of 95 percent is set for projects of this type. Analytical completeness is calculated as follows:

$$\%C = (U/T) \times 100$$

where:
%C = Percent analytical completeness;
U = Number of measurements judged usable; and
T = Total number of measurements.

During this SI, 12 samples were collected resulting in a total of 208 records. No results were rejected during the data quality evaluation. A summary of data qualification and the reasons for qualifier assignments is presented in Attachment 1. Using the above calculation, 100 % completeness was achieved for this sample event.

Field completeness is estimated as the percentage of all planned samples that were actually collected and analyzed. The calculation is as follows:

$$\%FC = (A/P) \times 100$$

where:
%FC = Field Percent Completeness;
A = Actual number of samples collected, and
P = Number of planned samples to collect

Discussion of field completeness is provided in the main text of the SI report.

Comparability. Comparability is a qualitative parameter expressing the confidence with which one data set can be compared with another. Comparability ensures that results for the sampling event can be compared with data from past and future sampling programs. Comparability for this sampling event was achieved through the use of established and recognized techniques and through the laboratory's use of standard USEPA methodology. All samples collected for this task were subjected to the same sampling, handling, preparation, analysis, reporting, and validation criteria for the purpose of achieving comparability goals within the data set.

Sensitivity. Sensitivity is defined as the ability of the laboratory's established MDL/PQL to meet project-specific DQOs. MDL is the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero. MDLs are determined from an analysis of a sample in a given matrix containing the target analyte of interest. The PQL is a threshold value based upon the sensitivity capability of method and instrument. PQLs are normally set at a minimum of three times the MDL. MDLs/PQLs are adjusted based on the sample matrix, moisture (solids only), and any necessary sample dilutions. The laboratory cannot reliably

quantitate values reported above the MDL but below the PQL. Therefore, these analyte values must be flagged as estimated quantities ("J" flagged).

To evaluate method sensitivity, a general comparison of the laboratory's MDLs and PQLs and the following regulatory screening levels was performed. The laboratory soil PQLs/MDLs were compared against the following SI screening levels:

- Background Threshold Sample (sediment and soil)
- Ecological Screening Levels comprised from Oregon Department of Environmental Quality Screening Level Values (December 2001); USEPA Region 5 Ecological Screening Values (August 2003), USEPA Region 7; USEPA Region 8; USEPA Region 10; and Lower of Talmage, et al, (1999) or Los Alamos National Laboratory (2005) values [sediment and soil]
- Human Health Screening Levels comprised of Combined USEPA and Oak Ridge National Laboratory Regional Screening Levels for Chemical Contaminants at Superfund Sites Preliminary Remediation Goals for residential soil (May 2011) and State of Idaho Initial Default Target Levels for Soil from Idaho Risk Evaluation Manual, Appendix A, dated July 2004 [sediment and soil]

Comparison of TA-Denver's soil PQLs/MDLs are summarized in Tables G-7 and G-8 for surface soil and sediment, respectively. TA-Denver's soil MDLs for all target analytes of interest met or were below SI screening levels with the exception of 2,4,6-trinitrotoluene, 2,4-dinitrotoluene, 2,6-dinitrotoluene, nitrobenzene, 1,3,5-trinitrobenzene, 1,3-dinitrobenzene, octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX), hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX), and hexachloroethane. 2,4,6-Ttrinitrotoluene, 2,4-dinitrotoluene, 2,6-dinitrotoluene, and nitrobenzene SI human health screening values are established lower than routine laboratory method SW-846 8330B or SW-846 8330 (Modified) capability. TA-Denver reports analytical results as non-detect ("U" qualified) at their calculated MDL. Results reported between the PQL and MDL are qualified "J" as estimated due to the increased uncertainty in the results as the lower limit of detection is approached. 1,3,5-Trinitrobenzene, 1,3-dinitrobenzene, HMX, RDX SI ecological screening levels [**bold face**] and hexachloroethane SI human health screening level [**bold face**] are between TA-Denver's calculated PQL and MDL as summarized below.

Summary of Laboratory PQL / MDLs that exceed Sediment SI Screening Levels					
Analyte	**Analysis Method**	**TA-Denver PQL (mg/kg)**	**TA-Denver MDL (mg/kg)**	**Site Inspection Ecological Screening Level – Sediment (mg/kg)**	**Site Inspection Human Health Screening Level – Soil & Sediment (mg/kg)**
1,3,5-Trinitrobenzene	SW-846 8330	0.1	0.014	**0.024**	2200
1,3-Dinitrobenzene	SW-846 8330	0.1	0.017	**0.067**	6.1
2,4,6-Trinitrotoluene	SW-846 8330	0.1	0.031	0.92	0.0134
2,4-Dinitrotoluene	SW-846 8330	0.1	0.015	0.29	0.00029
2,6-Dinitrotoluene	SW-846 8330	0.1	0.019	1.9	0.00021
HMX	SW-846 8330	0.1	0.023	**0.047**	3800
Nitrobenzene	SW-846 8330	2.0	0.085	32	0.0218
RDX	SW-846 8330	0.2	0.043	**0.13**	5.5
Hexachloroethane	SW-846 8270C	0.33	0.021	No criteria	**0.138**

Summary of Laboratory PQL / MDLs that exceed Soil SI Screening Levels					
Analyte	**Analysis Method**	**TA-Denver PQL (mg/kg)**	**TA-Denver MDL (mg/kg)**	**Site Inspection Ecological Screening Level – Soil (mg/kg)**	**Site Inspection Human Health Screening Level – Soil & Sediment (mg/kg)**
1,3-Dinitrobenzene	SW-846 8330	0.1	0.017	**0.073**	6.1
2,4,6-Trinitrotoluene	SW-846 8330	0.1	0.031	6.4	0.0134
2,4-Dinitrotoluene	SW-846 8330	0.1	0.015	0.52	0.00029
2,6-Dinitrotoluene	SW-846 8330	0.1	0.019	0.37	0.00021
Nitrobenzene	SW-846 8330	2.0	0.085	2.2	0.0218
Hexachloroethane	SW-846 8270C	0.33	0.021	No criteria	**0.138**

mg/kg – milligrams per kilogram
RDX – hexahydro-1,3,5-trinitro-1,3,5-triazine
HMX - octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine

G.4.1 Statement of Data Usability

One-hundred percent of the analytical data have been reviewed and validation qualifiers assigned based on USEPA CLP *National Functional Guidelines for Organic Data Review,* October 1999 and USEPA CLP *National Functional Guidelines for Inorganic Data Review*, October 2004. ADR software (version 8.3) was used to assist in the data validation process for all areas with the exception of ICALs, ICVs, CCVs, ICB, CCBs, interference check standards, serial dilutions, internal standards, second column confirmation, and field triplicate evaluations which were assessed manually. The overall quality of the data collected for the Pocatello BR No. 3 SI has been discussed in this Analytical Data QA/QC Report. Results of the analyses, as discussed in this evaluation, suggest that the results are indicative of the media analyzed, with the exception of the QC exceedances listed below:

- 2-Amino-4,6-dinitrotoluene and 4-amino-2,6-dinitrotoluene results reported for sample NWO-178-0003 were qualified "UJ" due to MS/MSD spike recoveries and calculated RPDs exceeding QC criteria. Results may be biased low
- Aluminum results reported for soil samples NWO-178-0003 and NWO-178-5002 were "J" qualified due to the serial dilution test percent difference exceeding QC criteria (percent difference<10%)

Overall, these data do reflect expected site conditions and are fully usable for their intended purpose.

Table G-1

Summary of Samples Collected and Sample Tracking Information
Pocatello Bombing Range No. 3

Location ID	Sample Number	Sample Purpose	Sample Type	Sample Date	Start Depth (ft bgs)	End Depth (ft bgs)	Laboratory Sample ID	Anthracene and Hexachloroethane by SW846 8270C	Explosives by SW846 8330B	Explosives by SW846 8330 (Modified)	Aluminum by SW846 6010B	Barium by SW846 6020
Bombing Range No. 3 MRS												
178A001	NWO-178-0001	REG	IS	18-Aug-11	0	0.17	280-19386-1	X	X		X	X
	NWO-178-0009	TF	IS	18-Aug-11	0	0.17	280-19386-7	X	X		X	X
	NWO-178-0010	TF	IS	19-Aug-11	0	0.17	280-19386-8	X	X		X	X
178A002	NWO-178-0002	REG	IS	19-Aug-11	0	0.17	280-19386-2	X	X		X	X
178A003	NWO-178-0003	REG	IS	19-Aug-11	0	0.17	280-19386-3	X	X		X	X
	NWO-178-0003-MS	MS	IS	19-Aug-11	0	0.17	280-19386-3MS	X	X		X	X
	NWO-178-0003-MSD	MSD	IS	19-Aug-11	0	0.17	280-19386-3MSD	X	X		X	X
178A004	NWO-178-0004	REG	IS	20-Aug-11	0	0.17	280-19386-4	X	X		X	X
178A005	NWO-178-0005	REG	IS	19-Aug-11	0	0.17	280-19386-5	X	X		X	X
178A006	NWO-178-0006	REG	IS	18-Aug-11	0	0.17	280-19386-6	X	X		X	X
178A009	NWO-178-1001	REG	SD	20-Aug-11	0	0.17	280-19387-1	X		X	X	X
	NWO-178-1002	FD	SD	20-Aug-11	0	0.17	280-19387-2	X		X	X	X
Background												
178A010	NWO-178-5001	REG	IS	17-Aug-11	0	0.17	280-19386-9	X			X	X
178A011	NWO-178-5002	REG	SD	17-Aug-11	0	0.33	280-19387-3	X			X	X
	NWO-178-5002-MS	MS	SD	17-Aug-11	0	0.33	280-19387-3MS	X			X	X
	NWO-178-5002-MSD	MSD	SD	17-Aug-11	0	0.33	280-19387-3MSD	X			X	X
Field QC												
FIELDQC	NWO-178-8001	ER	BW	20-Aug-11	---	---	280-19385-1	X	X		X	X

Notes:

X - Indicates a sample was collected and analyzed for the given parameter

ID - identification
ft bgs - feet below ground surface
REG - regular field sample
FD - field duplicate sample
TF - field triplicate sample
MS - matrix spike
MSD - matrix spike duplicate
ER - equipment rinsate
IS - incremental sample (<0.5 ft bgs)
SD - sediment
BW - blank water

Table G-2
Summary of Soil Parent and Field Triplicate Results and Standard Deviation Calculations
Pocatello Bombing Range No. 3

Location			**178A001**		**178A001**		**178A001**		
Sample Number			**NWO-178-0001**		**NWO-178-0009**		**NWO-178-0010**		
Sample Date			**18-Aug-11**		**18-Aug-11**		**19-Aug-11**		
Sample Depth (ft bgs)			**0 to 0.17**		**0 to 0.17**		**0 to 0.17**		
Sample Purpose			**REG**		**TF**		**TF**		
Fraction	**Parameter**	**Units**	**Result**	**VQ**	**Result**	**VQ**	**Result**	**VQ**	**RSD (%)**
Metals	Aluminum	mg/kg	15300	J	10300	J	10400	J	23.8
Metals	Barium	mg/kg	174		209		176		10.5
Explosives	1,3,5-Trinitrobenzene	mg/kg	<0.013	U	<0.0132	U	<0.0138	U	0.0
Explosives	1,3-Dinitrobenzene	mg/kg	<0.0156	U	<0.0159	U	<0.0166	U	0.0
Explosives	2,4,6-Trinitrotoluene	mg/kg	<0.0289	U	<0.0293	U	<0.0306	U	0.0
Explosives	2,4-Dinitrotoluene	mg/kg	<0.0139	U	<0.0141	U	<0.0147	U	0.0
Explosives	2,6-Dinitrotoluene	mg/kg	<0.018	U	<0.0183	U	<0.0191	U	0.0
Explosives	2-Amino-4,6-dinitrotoluene	mg/kg	<0.031	U	<0.0315	U	<0.0328	U	0.0
Explosives	2-Nitrotoluene	mg/kg	<0.0445	U	<0.0451	U	<0.0471	U	0.0
Explosives	3-Nitrotoluene	mg/kg	<0.0603	U	<0.0612	U	<0.0639	U	0.0
Explosives	4-Amino-2,6-dinitrotoluene	mg/kg	<0.0282	U	<0.0286	U	<0.0298	U	0.0
Explosives	4-Nitrotoluene	mg/kg	<0.0344	U	<0.0349	U	<0.0364	U	0.0
Explosives	HMX	mg/kg	<0.0214	U	<0.0217	U	<0.0227	U	0.0
Explosives	Nitrobenzene	mg/kg	<0.0801	U	<0.0813	U	<0.0848	U	0.0
Explosives	Nitroglycerine	mg/kg	<0.203	U	<0.206	U	<0.215	U	0.0
Explosives	PETN	mg/kg	<0.465	U	<0.471	U	<0.492	U	0.0
Explosives	RDX	mg/kg	<0.0405	U	<0.0411	U	<0.0429	U	0.0
Explosives	Tetryl	mg/kg	<0.0414	U	<0.042	U	<0.0438	U	0.0
SVOC	Anthracene	mg/kg	<0.0165	U	<0.0168	U	<0.0165	U	0.0
SVOC	Hexachloroethane	mg/kg	<0.0206	U	<0.021	U	<0.0207	U	0.0

Notes:

ft bgs - feet below ground surface
mg/kg - milligrams per kilogram
SVOC - semivolatile organic compound
REG - regular field sample
TF - field triplicate sample
RSD - relative standard deviation
VQ - validation qualifier

HMX - octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
PETN - pentaerythritol tetranitrate
RDX - hexahydro-1,3,5-trinitro-1,3,5-triazine
Tetryl - methyl-2,4,6-trinitrophenylnitramine

Validation Qualifier Definitions

U - Not detected. The compound/analyte was analyzed for, but not detected above the associated method detection limit

J - The compound/analyte was positively identified; the reported value is the estimated concentration of the constituent detected in the sample analyzed

R - The reported sample results are rejected due to the following: 1. Severe deficiencies in the supporting quality control data, 2. Anomalies noted in the sampling and/or analysis process which could affect the validity of the reported data, 3. The presence or absence of the constituent cannot be verified based on the data provided, 4. To indicate not to use a particular result in the event of a reanalysis

UJ - The compound/analyte was analyzed for, but not detected above the established reporting limit. However, review and evaluation of supporting QC data and/or sampling and analysis process have indicated that the reporting limit may be inaccurate or imprecise. The nondetect result should be estimated

Table G-3

Summary of Sediment Parent and Field Duplicate Results and RPD Calculations
Pocatello Bombing Range No. 3

Location			178A009				
Sample Date			20-Aug-11				
Sample Number			NWO-178-1001		NWO-178-1002		
Sample Depth (ft bgs)			0 to 0.17		0 to 0.17		
Sample Purpose			REG		FD		
Fraction	**Parameter**	**Units**	**Result**	**VQ**	**Result**	**VQ**	**RPD**
Metals	Aluminum	mg/kg	23700		23900	0.8	NC
Metals	Barium	mg/kg	272		293	7.4	NC
Explosives	1,3,5-Trinitrobenzene	mg/kg	<0.0136	U	<0.0135	U	NC
Explosives	1,3-Dinitrobenzene	mg/kg	<0.0164	U	<0.0163	U	NC
Explosives	2,4,6-Trinitrotoluene	mg/kg	<0.0304	U	<0.0301	U	NC
Explosives	2,4-Dinitrotoluene	mg/kg	<0.0145	U	<0.0144	U	NC
Explosives	2,6-Dinitrotoluene	mg/kg	<0.0189	U	<0.0187	U	NC
Explosives	2-Amino-4,6-dinitrotoluene	mg/kg	<0.0325	U	<0.0322	U	NC
Explosives	2-Nitrotoluene	mg/kg	<0.0467	U	<0.0462	U	NC
Explosives	3-Nitrotoluene	mg/kg	<0.0633	U	<0.0627	U	NC
Explosives	4-Amino-2,6-dinitrotoluene	mg/kg	<0.0296	U	<0.0293	U	NC
Explosives	4-Nitrotoluene	mg/kg	<0.0361	U	<0.0357	U	NC
Explosives	HMX	mg/kg	<0.0225	U	<0.0222	U	NC
Explosives	Nitrobenzene	mg/kg	<0.0841	U	<0.0833	U	NC
Explosives	Nitroglycerine	mg/kg	<0.213	U	<0.211	U	NC
Explosives	PETN	mg/kg	<0.488	U	<0.483	U	NC
Explosives	RDX	mg/kg	<0.0425	U	<0.0421	U	NC
Explosives	Tetryl	mg/kg	<0.0434	U	<0.043	U	NC
SVOC	Anthracene	mg/kg	<0.0164	U	<0.016	U	NC
SVOC	Hexachloroethane	mg/kg	<0.0205	U	<0.0201	U	NC

Notes:

ft bgs - feet below ground surface
REG - regular field sample
FD - field duplicate sample
RPD - relative percent difference
NC - not calculated
VQ - validation qualifier

mg/kg - milligrams per kilogram
SVOC - semivolatile organic compound
HMX - octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
PETN - pentaerythritol tetranitrate
RDX - hexahydro-1,3,5-trinitro-1,3,5-triazine
Tetryl - methyl-2,4,6-trinitrophenylnitramine

Validation Qualifier Definitions

U - Not detected. The compound/analyte was analyzed for, but not detected above the associated method detection limit

J - The compound/analyte was positively identified; the reported value is the estimated concentration of the constituent detected in the sample analyzed

R - The reported sample results are rejected due to the following: 1. Severe deficiencies in the supporting quality control data, 2. Anomalies noted in the sampling and/or analysis process which could affect the validity of the reported data, 3. The presence or absence of the constituent cannot be verified based on the data provided, 4. To indicate not to use a particular result in the event of a reanalysis

UJ - The compound/analyte was analyzed for, but not detected above the established reporting limit. However, review and evaluation of supporting QC data and/or sampling and analysis process have indicated that the reporting limit may be inaccurate or imprecise. The nondetect result should be estimated

Table G-4

Laboratory Qualifier and Data Validation Qualifier Definitions

Laboratory Qualifier Definitions

All Departments	
U	Indicates that the compound was analyzed for but not detected
BQL	Below Quantitation Limit
D	Indicates that the analyte was reported from a diluted analysis
Organics	
B	Indicates that the analyte was found in the associated blank as well as in the sample
E	Indicates that the concentration detected exceeded the calibration range of the instrument
J	Value is less than the reporting limit by greater than the MDL
P	Indicates that there is greater than 40% difference for detected explosive results between two columns
Metals	
J	Indicates that the reported value was less than the reporting limit but greater than or equal to the IDL/MDL
E	Indicates that the reported value is estimated because of the possible presence of interferences (i.e., the serial dilution not within control limits)
B	Indicates that the element was found in an associated blank above 2x the MDL and/or ½ RL of a ICB / CCB / ICSA
N	Spiked sample recovery not within control limits
*	Duplicate analysis not within control limits

Data Validation Qualifier Definitions

U	Not detected. The compound/analyte was analyzed for, but not detected above the associated reporting limit
J	The compound/analyte was positively identified; the reported value is the estimated concentration of the constituent detected in the sample analyzed
R	The reported sample results are rejected due to the following: 1. Severe deficiencies in the supporting quality control data 2. Anomalies noted in the sampling and/or analysis process which could affect the validity of the reported data 3. The presence or absence of the constituent cannot be verified based on the data provided 4. To indicate not to use a particular result in the event of a reanalysis
UJ	The compound/analyte was analyzed for, but not detected above the established reporting limit. However, review and evaluation of supporting QC data and/or sampling and analysis process have indicated that the reporting limit may be inaccurate or imprecise. The nondetect result should be estimated
nv	Result not validated

Table G-5

Data Validation Qualifier Reason Code Definitions

Reason Code	Definition
01	Sample received outside of 4+/-2 degrees Celsius
01A	Improper sample preservation
02	Holding time exceeded
02A	Extraction
02B	Analysis
03	Instrument performance – outside criteria
03A	BFB
03B	DFTPP
03C	DDT and/or Endrin % breakdown exceeds criteria
03D	Retention time windows
03E	Resolution
04	Initial calibration results outside specified criteria
04A	Compound mean RRF QC criteria not met
04B	Individual % RSD criteria not met
04C	Correlation coefficient >0.995
05	Continuing calibration results outside specified criteria
05A	Compound mean RRF QC criteria not met
05B	Compound % D QC criteria not met
06	Result qualified as a result of the 5x/10x blank correction
06A	Method or preparation blank
06B	ICB or CCB
06C	ER
06D	TB
06E	FB
07	Surrogate recoveries outside control limits
07A	Sample
07B	Associated method blank or LCS
08	MS/MSD/Duplicate results outside criteria
08A	MS and/or MSD recovery not within control limits (accuracy)
08B	% RPD outside acceptance criteria (precision)
09	Post digestion spike outside criteria (GFAA)
10	Internal standards outside specified control limits
10A	Recovery
10B	Retention time
11	Laboratory control sample recoveries outside specified limits
11A	Recovery
11B	% RPD (if run in duplicate)
12	Interference check standard
13	Serial dilution
14	Tentatively identified compounds
15	Quantitation
16	Multiple results available; alternate analysis preferred
17	Field duplicate RPD criteria or field triplicate RSD is exceeded
18	Percent difference between original and second column exceeds QC criteria
19	Professional judgement was used to qualify the data
20	Pesticide clean-up checks
21	Target compound identification
22	Radiological calibration
23	Radiological quantitation
24	Reported result and/or lab qualifier revised to reflect validation findings

Table G-6

Summary of Negatively Impacted Sample Results Associated with Adverse QC Criteria
Pocatello Bombing Range No. 3

Sample Delivery Group ID	Sample Number	Sample Date	Sample Purpose	Fraction	CAS No.	Parameter	Result	PQL	MDL	Units	LQ	VQ	R1	R2	R3
280-19386-1	NWO-178-0003	19-Aug-11	REG	Metals	7429-90-5	Aluminum	11900	47.3	1.47	mg/kg	J B	J	19	13	
	NWO-178-0003	19-Aug-11	REG	Explosives	35572-78-2	2-Amino-4,6-dinitrotoluene	0.0325	0.0989	0.0325	mg/kg	U J	UJ	19	08A	08B
	NWO-178-0003	19-Aug-11	REG	Explosives	19406-51-0	4-Amino-2,6-dinitrotoluene	0.0296	0.0989	0.0296	mg/kg	U J	UJ	19	08A	08B
280-19387-1	NWO-178-5002	17-Aug-11	REG	Metals	7429-90-5	Aluminum	15900	97.1	1.5	mg/kg	J	J	19	13	

Notes:

ID - identification
PQL - practical quantitation limit
MDL - method detection limit
LQ - laboratory data qualifier
VQ - validation data qualifier
R1 - validation qualifier reason code no. 1
R2 - validation qualifier reason code no. 2
R3 - validation qualifier reason code no. 3
REG - regular field sample
TF - field triplicate sample
mg/kg - milligrams per kilogram

See Table G-4 for laboratory and data validation qualifier definitions
See Table G-5 for data validation reason code definitions

Table G-7

Comparison of Bombing Range No. 3 MRS Soil Results to Site Inspection Screening Levels
Pocatello Bombing Range No. 3

Location						**178A001**				**178A001**				**178A001**			
Sample Number						**NWO-178-0001**				**NWO-178-0009**				**NWO-178-0010**			
Sample Date						**18-Aug-11**				**18-Aug-11**				**19-Aug-11**			
Sample Depth (ft bgs)						**0 to 0.17**				**0 to 0.17**				**0 to 0.17**			
Sample Purpose						**REG**				**TF**				**TF**			
Fraction	**Parameter**	**Units**	**Background Threshold Level**	**Site Inspection Ecological Screening Level**	**Site Inspection Human Health Screening Level**	**Result**	**PQL**	**MDL**	**VQ**	**Result**	**PQL**	**MDL**	**VQ**	**Result**	**PQL**	**MDL**	**VQ**
Explosives	1,3,5-Trinitrobenzene	mg/kg	No criteria	6.6	2200	< 0.0130	0.0943	0.013	U	< 0.0132	0.0956	0.0132	U	< 0.0138	0.0998	0.0138	U
Explosives	1,3-Dinitrobenzene	mg/kg	No criteria	0.073	6.1	< 0.0156	0.0943	0.0156	U	< 0.0159	0.0956	0.0159	U	< 0.0166	0.0998	0.0166	U
Explosives	2,4,6-Trinitrotoluene	mg/kg	No criteria	6.4	0.0134	< 0.0289	0.0943	0.0289	U	< 0.0293	0.0956	0.0293	U	< 0.0306	0.0998	0.0306	U
Explosives	2,4-Dinitrotoluene	mg/kg	No criteria	0.52	0.00029	< 0.0139	0.0943	0.0139	U	< 0.0141	0.0956	0.0141	U	< 0.0147	0.0998	0.0147	U
Explosives	2,6-Dinitrotoluene	mg/kg	No criteria	0.37	0.00021	< 0.0180	0.0943	0.018	U	< 0.0183	0.0956	0.0183	U	< 0.0191	0.0998	0.0191	U
Explosives	2-Amino-4,6-dinitrotoluene	mg/kg	No criteria	2.1	150	< 0.0310	0.0943	0.031	U	< 0.0315	0.0956	0.0315	U	< 0.0328	0.0998	0.0328	U
Explosives	2-Nitrotoluene	mg/kg	No criteria	2.0	2.9	< 0.0445	0.189	0.0445	U	< 0.0451	0.191	0.0451	U	< 0.0471	0.2	0.0471	U
Explosives	3-Nitrotoluene	mg/kg	No criteria	2.4	6.1	< 0.0603	0.189	0.0603	U	< 0.0612	0.191	0.0612	U	< 0.0639	0.2	0.0639	U
Explosives	4-Amino-2,6-dinitrotoluene	mg/kg	No criteria	0.73	150	< 0.0282	0.0943	0.0282	U	< 0.0286	0.0956	0.0286	U	< 0.0298	0.0998	0.0298	U
Explosives	4-Nitrotoluene	mg/kg	No criteria	4.4	30	< 0.0344	0.189	0.0344	U	< 0.0349	0.191	0.0349	U	< 0.0364	0.2	0.0364	U
Explosives	HMX	mg/kg	No criteria	27	3800	< 0.0214	0.0943	0.0214	U	< 0.0217	0.0956	0.0217	U	< 0.0227	0.0998	0.0227	U
Explosives	Nitrobenzene	mg/kg	No criteria	2.2	0.0218	< 0.0801	0.283	0.0801	U	< 0.0813	0.287	0.0813	U	< 0.0848	0.299	0.0848	U
Explosives	Nitroglycerine	mg/kg	No criteria	71	6.1	< 0.203	1.89	0.203	U	< 0.206	1.91	0.206	U	< 0.215	2	0.215	U
Explosives	PETN	mg/kg	No criteria	8600	120	< 0.465	1.89	0.465	U	< 0.471	1.91	0.471	U	< 0.492	2	0.492	U
Explosives	RDX	mg/kg	No criteria	7.5	5.5	< 0.0405	0.189	0.0405	U	< 0.0411	0.191	0.0411	U	< 0.0429	0.2	0.0429	U
Explosives	Tetryl	mg/kg	No criteria	0.99	240	< 0.0414	0.189	0.0414	U	< 0.0420	0.191	0.042	U	< 0.0438	0.2	0.0438	U
Metals	Aluminum	mg/kg	31200	No criteria	77000	15300	245	7.59		10300	47.1	1.46		10400	48.5	1.5	
Metals	Barium	mg/kg	615	330	896	174	0.229	0.0323		209	0.246	0.0346		176	0.229	0.0323	
SVOC	Anthracene	mg/kg	0.33 [a]	29	1040	< .0165	0.319	0.0165	U	< .0168	0.326	0.0168	U	< .0165	0.32	0.0165	U
SVOC	Hexachloroethane	mg/kg	0.33 [a]	No criteria	0.138	< .0206	0.319	0.0206	U	< .021	0.326	0.021	U	< .0207	0.32	0.0207	U

Notes:
[**Bold Face**] - Result exceeds Background Threshold Leve
[*Italicized*] - Result exceeds Site Inspection Ecological Screening Leve
[Underlined] - Result exceeds Site Inspection Human Health Screening Leve

[a] - Background Threshold Level established at the laboratory's PQL

ft bgs - feet below ground surface
PQL - practical quantitation limit
MDL - method detection limit
REG - regular field sample
TF - field triplicate sample
VQ - validation qualifier

mg/kg - milligrams per kilogram
SVOC - semivolatile organic compound
HMX - octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
PETN - pentaerythritol tetranitrate
RDX - hexahydro-1,3,5-trinitro-1,3,5-triazine
Tetryl - methyl-2,4,6-trinitrophenylnitramine

Validation Qualifier Definitions
U - Not detected. The compound/analyte was analyzed for, but not detected above the associated method detection limit
J - The compound/analyte was positively identified; the reported value is the estimated concentration of the constituent detected in the sample analyzed
R - The reported sample results are rejected due to the following: 1. Severe deficiencies in the supporting quality control data, 2. Anomalies noted in the sampling and/or analysis process which could affect the validity of the reported data, 3. The presence or absence of the constituent cannot be verified based on the data provided, 4. To indicate not to use a particular result in the event of a reanalysis
UJ - The compound/analyte was analyzed for, but not detected above the established reporting limit. However, review and evaluation of supporting QC data and/or sampling and analysis process have indicated that the reporting limit may be inaccurate or imprecise. The nondetect result should be estimated

Table G-7

Comparison of Bombing Range No. 3 MRS Soil Results to Site Inspection Screening Levels
Pocatello Bombing Range No. 3

Location						**178A002**				**178A003**				**178A004**			
Sample Number						**NWO-178-0002**				**NWO-178-0003**				**NWO-178-0004**			
Sample Date						**19-Aug-11**				**19-Aug-11**				**20-Aug-11**			
Sample Depth (ft bgs)						**0 to 0.17**				**0 to 0.17**				**0 to 0.17**			
Sample Purpose						**REG**				**REG**				**REG**			
Fraction	**Parameter**	**Units**	**Background Threshold Level**	**Site Inspection Ecological Screening Level**	**Site Inspection Human Health Screening Level**	**Result**	**PQL**	**MDL**	**VQ**	**Result**	**PQL**	**MDL**	**VQ**	**Result**	**PQL**	**MDL**	**VQ**
Explosives	1,3,5-Trinitrobenzene	mg/kg	No criteria	6.6	2200	< 0.0130	0.0943	0.013	U	< 0.0136	0.0989	0.0136	U	< 0.0132	0.0955	0.0132	U
Explosives	1,3-Dinitrobenzene	mg/kg	No criteria	0.073	6.1	< 0.0157	0.0943	0.0157	U	< 0.0164	0.0989	0.0164	U	< 0.0159	0.0955	0.0159	U
Explosives	2,4,6-Trinitrotoluene	mg/kg	No criteria	6.4	0.0134	< 0.0290	0.0943	0.029	U	< 0.0304	0.0989	0.0304	U	< 0.0293	0.0955	0.0293	U
Explosives	2,4-Dinitrotoluene	mg/kg	No criteria	0.52	0.00029	< 0.0139	0.0943	0.0139	U	< 0.0145	0.0989	0.0145	U	< 0.0140	0.0955	0.014	U
Explosives	2,6-Dinitrotoluene	mg/kg	No criteria	0.37	0.00021	< 0.0180	0.0943	0.018	U	< 0.0189	0.0989	0.0189	U	< 0.0182	0.0955	0.0182	U
Explosives	2-Amino-4,6-dinitrotoluene	mg/kg	No criteria	2.1	150	< 0.0310	0.0943	0.031	U	< 0.0325	0.0989	0.0325	UJ	< 0.0314	0.0955	0.0314	U
Explosives	2-Nitrotoluene	mg/kg	No criteria	2.0	2.9	< 0.0445	0.189	0.0445	U	< 0.0467	0.198	0.0467	U	< 0.0451	0.191	0.0451	U
Explosives	3-Nitrotoluene	mg/kg	No criteria	2.4	6.1	< 0.0604	0.189	0.0604	U	< 0.0633	0.198	0.0633	U	< 0.0611	0.191	0.0611	U
Explosives	4-Amino-2,6-dinitrotoluene	mg/kg	No criteria	0.73	150	< 0.0282	0.0943	0.0282	U	< 0.0296	0.0989	0.0296	UJ	< 0.0286	0.0955	0.0286	U
Explosives	4-Nitrotoluene	mg/kg	No criteria	4.4	30	< 0.0344	0.189	0.0344	U	< 0.0361	0.198	0.0361	U	< 0.0349	0.191	0.0349	U
Explosives	HMX	mg/kg	No criteria	27	3800	< 0.0214	0.0943	0.0214	U	< 0.0225	0.0989	0.0225	U	< 0.0217	0.0955	0.0217	U
Explosives	Nitrobenzene	mg/kg	No criteria	2.2	0.0218	< 0.0802	0.283	0.0802	U	< 0.0841	0.297	0.0841	U	< 0.0812	0.287	0.0812	U
Explosives	Nitroglycerine	mg/kg	No criteria	71	6.1	< 0.203	1.89	0.203	U	< 0.213	1.98	0.213	U	< 0.205	1.91	0.205	U
Explosives	PETN	mg/kg	No criteria	8600	120	< 0.465	1.89	0.465	U	< 0.488	1.98	0.488	U	< 0.471	1.91	0.471	U
Explosives	RDX	mg/kg	No criteria	7.5	5.5	< 0.0406	0.189	0.0406	U	< 0.0425	0.198	0.0425	U	< 0.0411	0.191	0.0411	U
Explosives	Tetryl	mg/kg	No criteria	0.99	240	< 0.0414	0.189	0.0414	U	< 0.0434	0.198	0.0434	U	< 0.0419	0.191	0.0419	U
Metals	Aluminum	mg/kg	31200	No criteria	77000	12300	48.4	1.5		11900	47.3	1.47	J	13400	233	7.23	
Metals	Barium	mg/kg	615	330	896	187	0.24	0.0338		181	0.249	0.035		223	0.249	0.0351	
SVOC	Anthracene	mg/kg	0.33 [a]	29	1040	< .0169	0.328	0.0169	U	< .0155	0.3	0.0155	U	< .0166	0.321	0.0166	U
SVOC	Hexachloroethane	mg/kg	0.33 [a]	No criteria	0.138	< .0212	0.328	0.0212	U	< .0194	0.3	0.0194	U	< .0207	0.321	0.0207	U

Notes:
[**Bold Face**] - Result exceeds Background Threshold Leve
[*Italicized*] - Result exceeds Site Inspection Ecological Screening Leve
[Underlined] - Result exceeds Site Inspection Human Health Screening Leve

[a] - Background Threshold Level established at the laboratory's PQL

ft bgs - feet below ground surface
PQL - practical quantitation limit
MDL - method detection limit
REG - regular field sample
TF - field triplicate sample
VQ - validation qualifier

mg/kg - milligrams per kilogram
SVOC - semivolatile organic compound
HMX - octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
PETN - pentaerythritol tetranitrate
RDX - hexahydro-1,3,5-trinitro-1,3,5-triazine
Tetryl - methyl-2,4,6-trinitrophenylnitramine

Validation Qualifier Definitions
U - Not detected. The compound/analyte was analyzed for, but not detected above the associated method detection limit
J - The compound/analyte was positively identified; the reported value is the estimated concentration of the constituent detected in the sample analyzed
R - The reported sample results are rejected due to the following: 1. Severe deficiencies in the supporting quality control data, 2. Anomalies noted in the sampling and/or analysis process which could affect the validity of the reported data, 3. The presence or absence of the constituent cannot be verified based on the data provided, 4. To indicate not to use a particular result in the event of a reanalysis
UJ - The compound/analyte was analyzed for, but not detected above the established reporting limit. However, review and evaluation of supporting QC data and/or sampling and analysis process have indicated that the reporting limit may be inaccurate or imprecise. The nondetect result should be estimated

Table G-7

Comparison of Bombing Range No. 3 MRS Soil Results to Site Inspection Screening Levels
Pocatello Bombing Range No. 3

Location						**178A005**				**178A006**			
Sample Number						**NWO-178-0005**				**NWO-178-0006**			
Sample Date						**19-Aug-11**				**18-Aug-11**			
Sample Depth (ft bgs)						**0 to 0.17**				**0 to 0.17**			
Sample Purpose						**REG**				**REG**			
Fraction	**Parameter**	**Units**	**Background Threshold Level**	**Site Inspection Ecological Screening Level**	**Site Inspection Human Health Screening Level**	**Result**	**PQL**	**MDL**	**VQ**	**Result**	**PQL**	**MDL**	**VQ**
Explosives	1,3,5-Trinitrobenzene	mg/kg	No criteria	6.6	2200	< 0.0130	0.0943	0.013	U	< 0.0133	0.0967	0.0133	U
Explosives	1,3-Dinitrobenzene	mg/kg	No criteria	0.073	6.1	< 0.0156	0.0943	0.0156	U	< 0.0161	0.0967	0.0161	U
Explosives	2,4,6-Trinitrotoluene	mg/kg	No criteria	6.4	0.0134	< 0.0289	0.0943	0.0289	U	< 0.0297	0.0967	0.0297	U
Explosives	2,4-Dinitrotoluene	mg/kg	No criteria	0.52	0.00029	< 0.0139	0.0943	0.0139	U	< 0.0142	0.0967	0.0142	U
Explosives	2,6-Dinitrotoluene	mg/kg	No criteria	0.37	0.00021	< 0.0180	0.0943	0.018	U	< 0.0185	0.0967	0.0185	U
Explosives	2-Amino-4,6-dinitrotoluene	mg/kg	No criteria	2.1	150	< 0.0310	0.0943	0.031	U	< 0.0318	0.0967	0.0318	U
Explosives	2-Nitrotoluene	mg/kg	No criteria	2.0	2.9	< 0.0445	0.189	0.0445	U	< 0.0456	0.193	0.0456	U
Explosives	3-Nitrotoluene	mg/kg	No criteria	2.4	6.1	< 0.0603	0.189	0.0603	U	< 0.0619	0.193	0.0619	U
Explosives	4-Amino-2,6-dinitrotoluene	mg/kg	No criteria	0.73	150	< 0.0282	0.0943	0.0282	U	< 0.0289	0.0967	0.0289	U
Explosives	4-Nitrotoluene	mg/kg	No criteria	4.4	30	< 0.0344	0.189	0.0344	U	< 0.0353	0.193	0.0353	U
Explosives	HMX	mg/kg	No criteria	27	3800	< 0.0214	0.0943	0.0214	U	< 0.0220	0.0967	0.022	U
Explosives	Nitrobenzene	mg/kg	No criteria	2.2	0.0218	< 0.0801	0.283	0.0801	U	< 0.0822	0.29	0.0822	U
Explosives	Nitroglycerine	mg/kg	No criteria	71	6.1	< 0.203	1.89	0.203	U	< 0.208	1.93	0.208	U
Explosives	PETN	mg/kg	No criteria	8600	120	< 0.465	1.89	0.465	U	< 0.477	1.93	0.477	U
Explosives	RDX	mg/kg	No criteria	7.5	5.5	< 0.0405	0.189	0.0405	U	< 0.0416	0.193	0.0416	U
Explosives	Tetryl	mg/kg	No criteria	0.99	240	< 0.0414	0.189	0.0414	U	< 0.0425	0.193	0.0425	U
Metals	Aluminum	mg/kg	31200	No criteria	77000	11300	49.5	1.53		16100	246	7.61	
Metals	Barium	mg/kg	615	330	896	174	0.244	0.0344		180	0.235	0.0331	
SVOC	Anthracene	mg/kg	0.33 [a]	29	1040	< .0169	0.329	0.0169	U	< .0165	0.319	0.0165	U
SVOC	Hexachloroethane	mg/kg	0.33 [a]	No criteria	0.138	< .0212	0.329	0.0212	U	< .0206	0.319	0.0206	U

Notes:
[**Bold Face**] - Result exceeds Background Threshold Leve
[*Italicized*] - Result exceeds Site Inspection Ecological Screening Leve
[Underlined] - Result exceeds Site Inspection Human Health Screening Leve

[a] - Background Threshold Level established at the laboratory's PQL

ft bgs - feet below ground surface
PQL - practical quantitation limit
MDL - method detection limit
REG - regular field sample
TF - field triplicate sample
VQ - validation qualifier

mg/kg - milligrams per kilogram
SVOC - semivolatile organic compound
HMX - octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
PETN - pentaerythritol tetranitrate
RDX - hexahydro-1,3,5-trinitro-1,3,5-triazine
Tetryl - methyl-2,4,6-trinitrophenylnitramine

Validation Qualifier Definitions
U - Not detected. The compound/analyte was analyzed for, but not detected above the associated method detection limit
J - The compound/analyte was positively identified; the reported value is the estimated concentration of the constituent detected in the sample analyzed
R - The reported sample results are rejected due to the following: 1. Severe deficiencies in the supporting quality control data, 2. Anomalies noted in the sampling and/or analysis process which could affect the validity of the reported data, 3. The presence or absence of the constituent cannot be verified based on the data provided, 4. To indicate not to use a particular result in the event of a reanalysis
UJ - The compound/analyte was analyzed for, but not detected above the established reporting limit. However, review and evaluation of supporting QC data and/or sampling and analysis process have indicated that the reporting limit may be inaccurate or imprecise. The nondetect result should be estimated

Table G-8

Comparison of Bombing Range No. 3 MRS Sediment Results to Site Inspection Screening Levels
Pocatello Bombing Range No. 3

Location						**178A009**				**178A009**			
Sample Number						**NWO-178-1001**				**NWO-178-1002**			
Sample Date						**20-Aug-11**				**20-Aug-11**			
Sample Depth (ft bgs)						**0 to 0.17**				**0 to 0.17**			
Sample Purpose						**REG**				**FD**			
Fraction	**Parameter**	**Units**	**Background Threshold Level**	**Site Inspection Ecological Screening Level**	**Site Inspection Human Health Screening Level**	**Result**	**PQL**	**MDL**	**VQ**	**Result**	**PQL**	**MDL**	**VQ**
Explosives	1,3,5-Trinitrobenzene	mg/kg	No criteria	0.024	2200	< 0.0136	0.0989	0.0136	U	< 0.0135	0.0979	0.0135	U
Explosives	1,3-Dinitrobenzene	mg/kg	No criteria	0.067	6.1	< 0.0164	0.0989	0.0164	U	< 0.0163	0.0979	0.0163	U
Explosives	2,4,6-Trinitrotoluene	mg/kg	No criteria	0.92	0.0134	< 0.0304	0.0989	0.0304	U	< 0.0301	0.0979	0.0301	U
Explosives	2,4-Dinitrotoluene	mg/kg	No criteria	0.29	0.00029	< 0.0145	0.0989	0.0145	U	< 0.0144	0.0979	0.0144	U
Explosives	2,6-Dinitrotoluene	mg/kg	No criteria	1.9	0.00021	< 0.0189	0.0989	0.0189	U	< 0.0187	0.0979	0.0187	U
Explosives	2-Amino-4,6-dinitrotoluene	mg/kg	No criteria	7	150	< 0.0325	0.0989	0.0325	U	< 0.0322	0.0979	0.0322	U
Explosives	2-Nitrotoluene	mg/kg	No criteria	5.6	2.9	< 0.0467	0.198	0.0467	U	< 0.0462	0.196	0.0462	U
Explosives	3-Nitrotoluene	mg/kg	No criteria	4.9	6.1	< 0.0633	0.198	0.0633	U	< 0.0627	0.196	0.0627	U
Explosives	4-Amino-2,6-dinitrotoluene	mg/kg	No criteria	1.9	150	< 0.0296	0.0989	0.0296	U	< 0.0293	0.0979	0.0293	U
Explosives	4-Nitrotoluene	mg/kg	No criteria	10	30	< 0.0361	0.198	0.0361	U	< 0.0357	0.196	0.0357	U
Explosives	HMX	mg/kg	No criteria	0.047	3800	< 0.0225	0.0989	0.0225	U	< 0.0222	0.0979	0.0222	U
Explosives	Nitrobenzene	mg/kg	No criteria	32	0.0218	< 0.0841	0.297	0.0841	U	< 0.0833	0.294	0.0833	U
Explosives	Nitroglycerine	mg/kg	No criteria	1700	6.1	< 0.213	1.98	0.213	U	< 0.211	1.96	0.211	U
Explosives	PETN	mg/kg	No criteria	120000	120	< 0.488	1.98	0.488	U	< 0.483	1.96	0.483	U
Explosives	RDX	mg/kg	No criteria	0.13	5.5	< 0.0425	0.198	0.0425	U	< 0.0421	0.196	0.0421	U
Explosives	Tetryl	mg/kg	No criteria	100	240	< 0.0434	0.198	0.0434	U	< 0.0430	0.196	0.043	U
Metals	Aluminum	mg/kg	47700	280	77000	*23700*	93.5	1.45		*23900*	92.6	1.44	
Metals	Barium	mg/kg	636	48	896	*272*	0.476	0.0671		*293*	0.495	0.0698	
SVOC	Anthracene	mg/kg	0.33 [a]	57	1040	< .0164	0.318	0.0164	U	< .016	0.311	0.016	U
SVOC	Hexachloroethane	mg/kg	0.33 [a]	No criteria	0.138	< .0205	0.318	0.0205	U	< .0201	0.311	0.0201	U

Notes:

[**Bold Face**] - Result exceeds Background Threshold Leve

[*Italicized*] - Result exceeds Site Inspection Ecological Screening Leve

[Underlined] - Result exceeds Site Inspection Human Health Screening Leve

[a] - Background Threshold Level established at the laboratory's PQL

ft bgs - feet below ground surface
PQL - practical quantitation limit
MDL - method detection limit
REG - regular field sample
FD - field duplicate sample
VQ - validation qualifier

mg/kg - milligrams per kilogram
SVOC - semivolatile organic compound
HMX - octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
PETN - pentaerythritol tetranitrate
RDX - hexahydro-1,3,5-trinitro-1,3,5-triazine
Tetryl - methyl-2,4,6-trinitrophenylnitramine

Validation Qualifier Definitions

U - Not detected. The compound/analyte was analyzed for, but not detected above the associated method detection limit

J - The compound/analyte was positively identified; the reported value is the estimated concentration of the constituent detected in the sample analyzed

R - The reported sample results are rejected due to the following: 1. Severe deficiencies in the supporting quality control data, 2. Anomalies noted in the sampling and/or analysis process which could affect the validity of the reporte data, 3. The presence or absence of the constituent cannot be verified based on the data provided, 4. To indicate not to use a particular result in the event of a reanalysis

UJ - The compound/analyte was analyzed for, but not detected above the established reporting limit. However, review and evaluation of supporting QC data and/or sampling and analysis process have indicated that the reporting limit may be inaccurate or imprecise. The nondetect result should be estimated

Table G-9a

Soil Background Results
Pocatello Bombing Range No. 3

Location			**178A010**			
Sample Number			**NWO-178-5001**			
Sample Date			**17-Aug-11**			
Sample Depth (ft bgs)			**0 to 0.17**			
Sample Purpose			**REG**			
Fraction	**Parameter**	**Units**	**Result**	**PQL**	**MDL**	**VQ**
Metals	Aluminum	mg/kg	10400	46.1	1.43	
Metals	Barium	mg/kg	205	0.24	0.0338	
SVOC	Anthracene	mg/kg	< 0.0165	0.32	0.0165	U
SVOC	Hexachloroethane	mg/kg	< 0.0207	0.32	0.0207	U

Notes:
ft bgs - feet below ground surface
PQL - practical quantitation limit
MDL - method detection limit
REG - regular field sample
SVOC - semivolatile organic compound
mg/kg - milligrams per kilogram
VQ - validation qualifier

Validation Qualifier Definitions
U - Not detected. The compound/analyte was analyzed for, but not detected above the associated method detection limit
J - The compound/analyte was positively identified; the reported value is the estimated concentration of the constituent detected in the sample analyzed
R - The reported sample results are rejected due to the following: 1. Severe deficiencies in the supporting quality control data, 2. Anomalies noted in the sampling and/or analysis process which could affect the validity of the reported data, 3. The presence or absence of the constituent cannot be verified based on the data provided, 4. To indicate not to use a particular result in the event of a reanalysis
UJ - The compound/analyte was analyzed for, but not detected above the established reporting limit. However, review and evaluation of supporting QC data and/or sampling and analysis process have indicated that the reporting limit may be inaccurate or imprecise. The nondetect result should be estimated

Table G-9b

Sediment Background Results
Pocatello Bombing Target No. 3

Location			**178A011**			
Sample Number			**NWO-178-5002**			
Sample Date			**17-Aug-11**			
Sample Depth (ft bgs)			**0 to 0.33**			
Sample Purpose			**REG**			
Fraction	**Parameter**	**Units**	**Result**	**PQL**	**MDL**	**VQ**
Metals	Aluminum	mg/kg	15900	97.1	1.5	J
Metals	Barium	mg/kg	212	0.495	0.0698	
SVOC	Anthracene	mg/kg	<0.0168	0.327	0.0168	U
SVOC	Hexachloroethane	mg/kg	<0.0211	0.327	0.0211	U

Notes:
ft bgs - feet below ground surface
PQL - practical quantitation limit
MDL - method detection limit
REG - regular field sample
SVOC - semivolatile organic compound
mg/kg - milligrams per kilogram
VQ - validation qualifier

Validation Qualifier Definitions
U - Not detected. The compound/analyte was analyzed for, but not detected above the associated method detection limit
J - The compound/analyte was positively identified; the reported value is the estimated concentration of the constituent detected in the sample analyzed
R - The reported sample results are rejected due to the following: 1. Severe deficiencies in the supporting quality control data, 2. Anomalies noted in the sampling and/or analysis process which could affect the validity of the reported data, 3. The presence or absence of the constituent cannot be verified based on the data provided, 4. To indicate not to use a particular result in the event of a reanalysis
UJ - The compound/analyte was analyzed for, but not detected above the established reporting limit. However, review and evaluation of supporting QC data and/or sampling and analysis process have indicated that the reporting limit may be inaccurate or imprecise. The nondetect result should be estimated

Table G-10

Equipment Rinsate Results
Pocatello Bombing Range No. 3

Location			FIELDQC			
Sample Number			NWO-178-8001			
Sample Date			20-Aug-11			
Sample Purpose			ER			
Fraction	**Parameter**	**Units**	**Result**	**PQL**	**MDL**	**VQ**
Metals	Aluminum	ug/L	< 18	300	18	nv
Metals	Barium	ug/L	2.26	3.00	0.29	nv
Explosives	1,3,5-Trinitrobenzene	ug/L	< 0.199	0.994	0.199	nv
Explosives	1,3-Dinitrobenzene	ug/L	< 0.0881	0.397	0.0881	nv
Explosives	2,4,6-Trinitrotoluene	ug/L	< 0.0719	0.397	0.0719	nv
Explosives	2,4-Dinitrotoluene	ug/L	< 0.0833	0.397	0.0833	nv
Explosives	2,6-Dinitrotoluene	ug/L	< 0.0641	0.199	0.0641	nv
Explosives	2-Amino-4,6-dinitrotoluene	ug/L	< 0.0504	0.199	0.0504	nv
Explosives	2-Nitrotoluene	ug/L	< 0.085	0.397	0.085	nv
Explosives	3-Nitrotoluene	ug/L	< 0.0829	0.397	0.0829	nv
Explosives	4-Amino-2,6-dinitrotoluene	ug/L	< 0.0573	0.199	0.0573	nv
Explosives	4-Nitrotoluene	ug/L	< 0.199	0.994	0.199	nv
Explosives	HMX	ug/L	< 0.087	0.397	0.087	nv
Explosives	Nitrobenzene	ug/L	< 0.0904	0.397	0.0904	nv
Explosives	Nitroglycerine	ug/L	< 0.915	2.98	0.915	nv
Explosives	PETN	ug/L	< 0.413	1.99	0.413	nv
Explosives	RDX	ug/L	< 0.052	0.199	0.052	nv
Explosives	Tetryl	ug/L	< 0.0788	0.238	0.0788	nv
SVOC	Anthracene	ug/L	< 0.415	9.87	0.415	nv
SVOC	Hexachloroethane	ug/L	< 2.07	9.87	2.07	nv

Notes:

ER - equipment rinsate
PQL - practical quantitation limit
MDL - method detection limit
SVOC - semivolatile organic compound
ug/L - micrograms per liter
VQ - validation qualifier

HMX - octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
PETN - pentaerythritol tetranitrate
RDX - hexahydro-1,3,5-trinitro-1,3,5-triazine
Tetryl - methyl-2,4,6-trinitrophenylnitramine

Validation Qualifier Definition
nv - data not validated

ATTACHMENT 1

Summary of Analytical Results

Attachment 1

Summary of Analytical Results
Pocatello Bombing Range No. 3

Location	Sample Number	Sample Date	Sampe Type	Start Depth (ft bgs)	End Depth (ft bgs)	Sample Purpose	Fraction	CAS No.	Parameter	Result	PQL	MDL	Units	LQ	VQ	R1	R2	R3	Dilution Factor
178A001	NWO-178-0001	18-Aug-11	IS	0	0.17	REG	Metals	7429-90-5	Aluminum	15300	245	7.59	mg/kg	B J					5
178A001	NWO-178-0001	18-Aug-11	IS	0	0.17	REG	Metals	7440-39-3	Barium	174	0.229	0.0323	mg/kg						1
178A001	NWO-178-0001	18-Aug-11	IS	0	0.17	REG	Explosives	99-35-4	1,3,5-Trinitrobenzene	0.013	0.0943	0.013	mg/kg	U	U				1
178A001	NWO-178-0001	18-Aug-11	IS	0	0.17	REG	Explosives	99-65-0	1,3-Dinitrobenzene	0.0156	0.0943	0.0156	mg/kg	U	U				1
178A001	NWO-178-0001	18-Aug-11	IS	0	0.17	REG	Explosives	118-96-7	2,4,6-Trinitrotoluene	0.0289	0.0943	0.0289	mg/kg	U	U				1
178A001	NWO-178-0001	18-Aug-11	IS	0	0.17	REG	Explosives	121-14-2	2,4-Dinitrotoluene	0.0139	0.0943	0.0139	mg/kg	U	U				1
178A001	NWO-178-0001	18-Aug-11	IS	0	0.17	REG	Explosives	606-20-2	2,6-Dinitrotoluene	0.018	0.0943	0.018	mg/kg	U	U				1
178A001	NWO-178-0001	18-Aug-11	IS	0	0.17	REG	Explosives	35572-78-2	2-Amino-4,6-dinitrotoluene	0.031	0.0943	0.031	mg/kg	U	U				1
178A001	NWO-178-0001	18-Aug-11	IS	0	0.17	REG	Explosives	88-72-2	2-Nitrotoluene	0.0445	0.189	0.0445	mg/kg	U	U				1
178A001	NWO-178-0001	18-Aug-11	IS	0	0.17	REG	Explosives	99-08-1	3-Nitrotoluene	0.0603	0.189	0.0603	mg/kg	U	U				1
178A001	NWO-178-0001	18-Aug-11	IS	0	0.17	REG	Explosives	19406-51-0	4-Amino-2,6-dinitrotoluene	0.0282	0.0943	0.0282	mg/kg	U	U				1
178A001	NWO-178-0001	18-Aug-11	IS	0	0.17	REG	Explosives	99-99-0	4-Nitrotoluene	0.0344	0.189	0.0344	mg/kg	U	U				1
178A001	NWO-178-0001	18-Aug-11	IS	0	0.17	REG	Explosives	2691-41-0	HMX	0.0214	0.0943	0.0214	mg/kg	U	U				1
178A001	NWO-178-0001	18-Aug-11	IS	0	0.17	REG	Explosives	98-95-3	Nitrobenzene	0.0801	0.283	0.0801	mg/kg	U	U				1
178A001	NWO-178-0001	18-Aug-11	IS	0	0.17	REG	Explosives	55-63-0	Nitroglycerine	0.203	1.89	0.203	mg/kg	U	U				1
178A001	NWO-178-0001	18-Aug-11	IS	0	0.17	REG	Explosives	78-11-5	PETN	0.465	1.89	0.465	mg/kg	U	U				1
178A001	NWO-178-0001	18-Aug-11	IS	0	0.17	REG	Explosives	121-82-4	RDX	0.0405	0.189	0.0405	mg/kg	U	U				1
178A001	NWO-178-0001	18-Aug-11	IS	0	0.17	REG	Explosives	479-45-8	Tetryl	0.0414	0.189	0.0414	mg/kg	U	U				1
178A001	NWO-178-0001	18-Aug-11	IS	0	0.17	REG	SVOC	120-12-7	Anthracene	0.0165	0.319	0.0165	mg/kg	U	U				1
178A001	NWO-178-0001	18-Aug-11	IS	0	0.17	REG	SVOC	67-72-1	Hexachloroethane	0.0206	0.319	0.0206	mg/kg	U	U				1
178A001	NWO-178-0009	18-Aug-11	IS	0	0.17	TF	Metals	7429-90-5	Aluminum	10300	47.1	1.46	mg/kg	B J					1
178A001	NWO-178-0009	18-Aug-11	IS	0	0.17	TF	Metals	7440-39-3	Barium	209	0.246	0.0346	mg/kg						1
178A001	NWO-178-0009	18-Aug-11	IS	0	0.17	TF	Explosives	99-35-4	1,3,5-Trinitrobenzene	0.0132	0.0956	0.0132	mg/kg	U	U				1
178A001	NWO-178-0009	18-Aug-11	IS	0	0.17	TF	Explosives	99-65-0	1,3-Dinitrobenzene	0.0159	0.0956	0.0159	mg/kg	U	U				1
178A001	NWO-178-0009	18-Aug-11	IS	0	0.17	TF	Explosives	118-96-7	2,4,6-Trinitrotoluene	0.0293	0.0956	0.0293	mg/kg	U	U				1
178A001	NWO-178-0009	18-Aug-11	IS	0	0.17	TF	Explosives	121-14-2	2,4-Dinitrotoluene	0.0141	0.0956	0.0141	mg/kg	U	U				1
178A001	NWO-178-0009	18-Aug-11	IS	0	0.17	TF	Explosives	606-20-2	2,6-Dinitrotoluene	0.0183	0.0956	0.0183	mg/kg	U	U				1
178A001	NWO-178-0009	18-Aug-11	IS	0	0.17	TF	Explosives	35572-78-2	2-Amino-4,6-dinitrotoluene	0.0315	0.0956	0.0315	mg/kg	U	U				1
178A001	NWO-178-0009	18-Aug-11	IS	0	0.17	TF	Explosives	88-72-2	2-Nitrotoluene	0.0451	0.191	0.0451	mg/kg	U	U				1
178A001	NWO-178-0009	18-Aug-11	IS	0	0.17	TF	Explosives	99-08-1	3-Nitrotoluene	0.0612	0.191	0.0612	mg/kg	U	U				1
178A001	NWO-178-0009	18-Aug-11	IS	0	0.17	TF	Explosives	19406-51-0	4-Amino-2,6-dinitrotoluene	0.0286	0.0956	0.0286	mg/kg	U	U				1
178A001	NWO-178-0009	18-Aug-11	IS	0	0.17	TF	Explosives	99-99-0	4-Nitrotoluene	0.0349	0.191	0.0349	mg/kg	U	U				1
178A001	NWO-178-0009	18-Aug-11	IS	0	0.17	TF	Explosives	2691-41-0	HMX	0.0217	0.0956	0.0217	mg/kg	U	U				1
178A001	NWO-178-0009	18-Aug-11	IS	0	0.17	TF	Explosives	98-95-3	Nitrobenzene	0.0813	0.287	0.0813	mg/kg	U	U				1
178A001	NWO-178-0009	18-Aug-11	IS	0	0.17	TF	Explosives	55-63-0	Nitroglycerine	0.206	1.91	0.206	mg/kg	U	U				1
178A001	NWO-178-0009	18-Aug-11	IS	0	0.17	TF	Explosives	78-11-5	PETN	0.471	1.91	0.471	mg/kg	U	U				1
178A001	NWO-178-0009	18-Aug-11	IS	0	0.17	TF	Explosives	121-82-4	RDX	0.0411	0.191	0.0411	mg/kg	U	U				1
178A001	NWO-178-0009	18-Aug-11	IS	0	0.17	TF	Explosives	479-45-8	Tetryl	0.042	0.191	0.042	mg/kg	U	U				1
178A001	NWO-178-0009	18-Aug-11	IS	0	0.17	TF	SVOC	120-12-7	Anthracene	0.0168	0.326	0.0168	mg/kg	U	U				1
178A001	NWO-178-0009	18-Aug-11	IS	0	0.17	TF	SVOC	67-72-1	Hexachloroethane	0.021	0.326	0.021	mg/kg	U	U				1
178A001	NWO-178-0010	19-Aug-11	IS	0	0.17	TF	Metals	7429-90-5	Aluminum	10400	48.5	1.5	mg/kg	B J					1
178A001	NWO-178-0010	19-Aug-11	IS	0	0.17	TF	Metals	7440-39-3	Barium	176	0.229	0.0323	mg/kg						1
178A001	NWO-178-0010	19-Aug-11	IS	0	0.17	TF	Explosives	99-35-4	1,3,5-Trinitrobenzene	0.0138	0.0998	0.0138	mg/kg	U	U				1
178A001	NWO-178-0010	19-Aug-11	IS	0	0.17	TF	Explosives	99-65-0	1,3-Dinitrobenzene	0.0166	0.0998	0.0166	mg/kg	U	U				1

Summary of Analytical Results
Pocatello Bombing Range No. 3

Location	Sample Number	Sample Date	Sampe Type	Start Depth (ft bgs)	End Depth (ft bgs)	Sample Purpose	Fraction	CAS No.	Parameter	Result	PQL	MDL	Units	LQ	VQ	R1	R2	R3	Dilution Factor
178A001	NWO-178-0010	19-Aug-11	IS	0	0.17	TF	Explosives	118-96-7	2,4,6-Trinitrotoluene	0.0306	0.0998	0.0306	mg/kg	U	U				1
178A001	NWO-178-0010	19-Aug-11	IS	0	0.17	TF	Explosives	121-14-2	2,4-Dinitrotoluene	0.0147	0.0998	0.0147	mg/kg	U	U				1
178A001	NWO-178-0010	19-Aug-11	IS	0	0.17	TF	Explosives	606-20-2	2,6-Dinitrotoluene	0.0191	0.0998	0.0191	mg/kg	U	U				1
178A001	NWO-178-0010	19-Aug-11	IS	0	0.17	TF	Explosives	35572-78-2	2-Amino-4,6-dinitrotoluene	0.0328	0.0998	0.0328	mg/kg	U	U				1
178A001	NWO-178-0010	19-Aug-11	IS	0	0.17	TF	Explosives	88-72-2	2-Nitrotoluene	0.0471	0.2	0.0471	mg/kg	U	U				1
178A001	NWO-178-0010	19-Aug-11	IS	0	0.17	TF	Explosives	99-08-1	3-Nitrotoluene	0.0639	0.2	0.0639	mg/kg	U	U				1
178A001	NWO-178-0010	19-Aug-11	IS	0	0.17	TF	Explosives	19406-51-0	4-Amino-2,6-dinitrotoluene	0.0298	0.0998	0.0298	mg/kg	U	U				1
178A001	NWO-178-0010	19-Aug-11	IS	0	0.17	TF	Explosives	99-99-0	4-Nitrotoluene	0.0364	0.2	0.0364	mg/kg	U	U				1
178A001	NWO-178-0010	19-Aug-11	IS	0	0.17	TF	Explosives	2691-41-0	HMX	0.0227	0.0998	0.0227	mg/kg	U	U				1
178A001	NWO-178-0010	19-Aug-11	IS	0	0.17	TF	Explosives	98-95-3	Nitrobenzene	0.0848	0.299	0.0848	mg/kg	U	U				1
178A001	NWO-178-0010	19-Aug-11	IS	0	0.17	TF	Explosives	55-63-0	Nitroglycerine	0.215	2	0.215	mg/kg	U	U				1
178A001	NWO-178-0010	19-Aug-11	IS	0	0.17	TF	Explosives	78-11-5	PETN	0.492	2	0.492	mg/kg	U	U				1
178A001	NWO-178-0010	19-Aug-11	IS	0	0.17	TF	Explosives	121-82-4	RDX	0.0429	0.2	0.0429	mg/kg	U	U				1
178A001	NWO-178-0010	19-Aug-11	IS	0	0.17	TF	Explosives	479-45-8	Tetryl	0.0438	0.2	0.0438	mg/kg	U	U				1
178A001	NWO-178-0010	19-Aug-11	IS	0	0.17	TF	SVOC	120-12-7	Anthracene	0.0165	0.32	0.0165	mg/kg	U	U				1
178A001	NWO-178-0010	19-Aug-11	IS	0	0.17	TF	SVOC	67-72-1	Hexachloroethane	0.0207	0.32	0.0207	mg/kg	U	U				1
178A002	NWO-178-0002	19-Aug-11	IS	0	0.17	REG	Metals	7429-90-5	Aluminum	12300	48.4	1.5	mg/kg	B J					1
178A002	NWO-178-0002	19-Aug-11	IS	0	0.17	REG	Metals	7440-39-3	Barium	187	0.24	0.0338	mg/kg						1
178A002	NWO-178-0002	19-Aug-11	IS	0	0.17	REG	Explosives	99-35-4	1,3,5-Trinitrobenzene	0.013	0.0943	0.013	mg/kg	U	U				1
178A002	NWO-178-0002	19-Aug-11	IS	0	0.17	REG	Explosives	99-65-0	1,3-Dinitrobenzene	0.0157	0.0943	0.0157	mg/kg	U	U				1
178A002	NWO-178-0002	19-Aug-11	IS	0	0.17	REG	Explosives	118-96-7	2,4,6-Trinitrotoluene	0.029	0.0943	0.029	mg/kg	U	U				1
178A002	NWO-178-0002	19-Aug-11	IS	0	0.17	REG	Explosives	121-14-2	2,4-Dinitrotoluene	0.0139	0.0943	0.0139	mg/kg	U	U				1
178A002	NWO-178-0002	19-Aug-11	IS	0	0.17	REG	Explosives	606-20-2	2,6-Dinitrotoluene	0.018	0.0943	0.018	mg/kg	U	U				1
178A002	NWO-178-0002	19-Aug-11	IS	0	0.17	REG	Explosives	35572-78-2	2-Amino-4,6-dinitrotoluene	0.031	0.0943	0.031	mg/kg	U	U				1
178A002	NWO-178-0002	19-Aug-11	IS	0	0.17	REG	Explosives	88-72-2	2-Nitrotoluene	0.0445	0.189	0.0445	mg/kg	U	U				1
178A002	NWO-178-0002	19-Aug-11	IS	0	0.17	REG	Explosives	99-08-1	3-Nitrotoluene	0.0604	0.189	0.0604	mg/kg	U	U				1
178A002	NWO-178-0002	19-Aug-11	IS	0	0.17	REG	Explosives	19406-51-0	4-Amino-2,6-dinitrotoluene	0.0282	0.0943	0.0282	mg/kg	U	U				1
178A002	NWO-178-0002	19-Aug-11	IS	0	0.17	REG	Explosives	99-99-0	4-Nitrotoluene	0.0344	0.189	0.0344	mg/kg	U	U				1
178A002	NWO-178-0002	19-Aug-11	IS	0	0.17	REG	Explosives	2691-41-0	HMX	0.0214	0.0943	0.0214	mg/kg	U	U				1
178A002	NWO-178-0002	19-Aug-11	IS	0	0.17	REG	Explosives	98-95-3	Nitrobenzene	0.0802	0.283	0.0802	mg/kg	U	U				1
178A002	NWO-178-0002	19-Aug-11	IS	0	0.17	REG	Explosives	55-63-0	Nitroglycerine	0.203	1.89	0.203	mg/kg	U	U				1
178A002	NWO-178-0002	19-Aug-11	IS	0	0.17	REG	Explosives	78-11-5	PETN	0.465	1.89	0.465	mg/kg	U	U				1
178A002	NWO-178-0002	19-Aug-11	IS	0	0.17	REG	Explosives	121-82-4	RDX	0.0406	0.189	0.0406	mg/kg	U	U				1
178A002	NWO-178-0002	19-Aug-11	IS	0	0.17	REG	Explosives	479-45-8	Tetryl	0.0414	0.189	0.0414	mg/kg	U	U				1
178A002	NWO-178-0002	19-Aug-11	IS	0	0.17	REG	SVOC	120-12-7	Anthracene	0.0169	0.328	0.0169	mg/kg	U	U				1
178A002	NWO-178-0002	19-Aug-11	IS	0	0.17	REG	SVOC	67-72-1	Hexachloroethane	0.0212	0.328	0.0212	mg/kg	U	U				1
178A003	NWO-178-0003	19-Aug-11	IS	0	0.17	REG	Metals	7429-90-5	Aluminum	11900	47.3	1.47	mg/kg	J B	J	19	13		1
178A003	NWO-178-0003	19-Aug-11	IS	0	0.17	REG	Metals	7440-39-3	Barium	181	0.249	0.035	mg/kg	J					1
178A003	NWO-178-0003	19-Aug-11	IS	0	0.17	REG	Explosives	99-35-4	1,3,5-Trinitrobenzene	0.0136	0.0989	0.0136	mg/kg	U	U				1
178A003	NWO-178-0003	19-Aug-11	IS	0	0.17	REG	Explosives	99-65-0	1,3-Dinitrobenzene	0.0164	0.0989	0.0164	mg/kg	U	U				1
178A003	NWO-178-0003	19-Aug-11	IS	0	0.17	REG	Explosives	118-96-7	2,4,6-Trinitrotoluene	0.0304	0.0989	0.0304	mg/kg	U	U				1
178A003	NWO-178-0003	19-Aug-11	IS	0	0.17	REG	Explosives	121-14-2	2,4-Dinitrotoluene	0.0145	0.0989	0.0145	mg/kg	U J	U				1
178A003	NWO-178-0003	19-Aug-11	IS	0	0.17	REG	Explosives	606-20-2	2,6-Dinitrotoluene	0.0189	0.0989	0.0189	mg/kg	U	U				1
178A003	NWO-178-0003	19-Aug-11	IS	0	0.17	REG	Explosives	35572-78-2	2-Amino-4,6-dinitrotoluene	0.0325	0.0989	0.0325	mg/kg	U J	UJ	19	08A	08B	1

Summary of Analytical Results
Pocatello Bombing Range No. 3

Location	Sample Number	Sample Date	Sampe Type	Start Depth (ft bgs)	End Depth (ft bgs)	Sample Purpose	Fraction	CAS No.	Parameter	Result	PQL	MDL	Units	LQ	VQ	R1	R2	R3	Dilution Factor
178A003	NWO-178-0003	19-Aug-11	IS	0	0.17	REG	Explosives	88-72-2	2-Nitrotoluene	0.0467	0.198	0.0467	mg/kg	U	U				1
178A003	NWO-178-0003	19-Aug-11	IS	0	0.17	REG	Explosives	99-08-1	3-Nitrotoluene	0.0633	0.198	0.0633	mg/kg	U	U				1
178A003	NWO-178-0003	19-Aug-11	IS	0	0.17	REG	Explosives	19406-51-0	4-Amino-2,6-dinitrotoluene	0.0296	0.0989	0.0296	mg/kg	U J	UJ	19	08A	08B	1
178A003	NWO-178-0003	19-Aug-11	IS	0	0.17	REG	Explosives	99-99-0	4-Nitrotoluene	0.0361	0.198	0.0361	mg/kg	U	U				1
178A003	NWO-178-0003	19-Aug-11	IS	0	0.17	REG	Explosives	2691-41-0	HMX	0.0225	0.0989	0.0225	mg/kg	U	U				1
178A003	NWO-178-0003	19-Aug-11	IS	0	0.17	REG	Explosives	98-95-3	Nitrobenzene	0.0841	0.297	0.0841	mg/kg	U	U				1
178A003	NWO-178-0003	19-Aug-11	IS	0	0.17	REG	Explosives	55-63-0	Nitroglycerine	0.213	1.98	0.213	mg/kg	U	U				1
178A003	NWO-178-0003	19-Aug-11	IS	0	0.17	REG	Explosives	78-11-5	PETN	0.488	1.98	0.488	mg/kg	U	U				1
178A003	NWO-178-0003	19-Aug-11	IS	0	0.17	REG	Explosives	121-82-4	RDX	0.0425	0.198	0.0425	mg/kg	U	U				1
178A003	NWO-178-0003	19-Aug-11	IS	0	0.17	REG	Explosives	479-45-8	Tetryl	0.0434	0.198	0.0434	mg/kg	U	U				1
178A003	NWO-178-0003	19-Aug-11	IS	0	0.17	REG	SVOC	120-12-7	Anthracene	0.0155	0.3	0.0155	mg/kg	U	U				1
178A003	NWO-178-0003	19-Aug-11	IS	0	0.17	REG	SVOC	67-72-1	Hexachloroethane	0.0194	0.3	0.0194	mg/kg	U	U				1
178A004	NWO-178-0004	20-Aug-11	IS	0	0.17	REG	Metals	7429-90-5	Aluminum	13400	233	7.23	mg/kg	B J					5
178A004	NWO-178-0004	20-Aug-11	IS	0	0.17	REG	Metals	7440-39-3	Barium	223	0.249	0.0351	mg/kg						1
178A004	NWO-178-0004	20-Aug-11	IS	0	0.17	REG	Explosives	99-35-4	1,3,5-Trinitrobenzene	0.0132	0.0955	0.0132	mg/kg	U	U				1
178A004	NWO-178-0004	20-Aug-11	IS	0	0.17	REG	Explosives	99-65-0	1,3-Dinitrobenzene	0.0159	0.0955	0.0159	mg/kg	U	U				1
178A004	NWO-178-0004	20-Aug-11	IS	0	0.17	REG	Explosives	118-96-7	2,4,6-Trinitrotoluene	0.0293	0.0955	0.0293	mg/kg	U	U				1
178A004	NWO-178-0004	20-Aug-11	IS	0	0.17	REG	Explosives	121-14-2	2,4-Dinitrotoluene	0.014	0.0955	0.014	mg/kg	U	U				1
178A004	NWO-178-0004	20-Aug-11	IS	0	0.17	REG	Explosives	606-20-2	2,6-Dinitrotoluene	0.0182	0.0955	0.0182	mg/kg	U	U				1
178A004	NWO-178-0004	20-Aug-11	IS	0	0.17	REG	Explosives	35572-78-2	2-Amino-4,6-dinitrotoluene	0.0314	0.0955	0.0314	mg/kg	U	U				1
178A004	NWO-178-0004	20-Aug-11	IS	0	0.17	REG	Explosives	88-72-2	2-Nitrotoluene	0.0451	0.191	0.0451	mg/kg	U	U				1
178A004	NWO-178-0004	20-Aug-11	IS	0	0.17	REG	Explosives	99-08-1	3-Nitrotoluene	0.0611	0.191	0.0611	mg/kg	U	U				1
178A004	NWO-178-0004	20-Aug-11	IS	0	0.17	REG	Explosives	19406-51-0	4-Amino-2,6-dinitrotoluene	0.0286	0.0955	0.0286	mg/kg	U	U				1
178A004	NWO-178-0004	20-Aug-11	IS	0	0.17	REG	Explosives	99-99-0	4-Nitrotoluene	0.0349	0.191	0.0349	mg/kg	U	U				1
178A004	NWO-178-0004	20-Aug-11	IS	0	0.17	REG	Explosives	2691-41-0	HMX	0.0217	0.0955	0.0217	mg/kg	U	U				1
178A004	NWO-178-0004	20-Aug-11	IS	0	0.17	REG	Explosives	98-95-3	Nitrobenzene	0.0812	0.287	0.0812	mg/kg	U	U				1
178A004	NWO-178-0004	20-Aug-11	IS	0	0.17	REG	Explosives	55-63-0	Nitroglycerine	0.205	1.91	0.205	mg/kg	U	U				1
178A004	NWO-178-0004	20-Aug-11	IS	0	0.17	REG	Explosives	78-11-5	PETN	0.471	1.91	0.471	mg/kg	U	U				1
178A004	NWO-178-0004	20-Aug-11	IS	0	0.17	REG	Explosives	121-82-4	RDX	0.0411	0.191	0.0411	mg/kg	U	U				1
178A004	NWO-178-0004	20-Aug-11	IS	0	0.17	REG	Explosives	479-45-8	Tetryl	0.0419	0.191	0.0419	mg/kg	U	U				1
178A004	NWO-178-0004	20-Aug-11	IS	0	0.17	REG	SVOC	120-12-7	Anthracene	0.0166	0.321	0.0166	mg/kg	U	U				1
178A004	NWO-178-0004	20-Aug-11	IS	0	0.17	REG	SVOC	67-72-1	Hexachloroethane	0.0207	0.321	0.0207	mg/kg	U	U				1
178A005	NWO-178-0005	19-Aug-11	IS	0	0.17	REG	Metals	7429-90-5	Aluminum	11300	49.5	1.53	mg/kg	B J					1
178A005	NWO-178-0005	19-Aug-11	IS	0	0.17	REG	Metals	7440-39-3	Barium	174	0.244	0.0344	mg/kg						1
178A005	NWO-178-0005	19-Aug-11	IS	0	0.17	REG	Explosives	99-35-4	1,3,5-Trinitrobenzene	0.013	0.0943	0.013	mg/kg	U	U				1
178A005	NWO-178-0005	19-Aug-11	IS	0	0.17	REG	Explosives	99-65-0	1,3-Dinitrobenzene	0.0156	0.0943	0.0156	mg/kg	U	U				1
178A005	NWO-178-0005	19-Aug-11	IS	0	0.17	REG	Explosives	118-96-7	2,4,6-Trinitrotoluene	0.0289	0.0943	0.0289	mg/kg	U	U				1
178A005	NWO-178-0005	19-Aug-11	IS	0	0.17	REG	Explosives	121-14-2	2,4-Dinitrotoluene	0.0139	0.0943	0.0139	mg/kg	U	U				1
178A005	NWO-178-0005	19-Aug-11	IS	0	0.17	REG	Explosives	606-20-2	2,6-Dinitrotoluene	0.018	0.0943	0.018	mg/kg	U	U				1
178A005	NWO-178-0005	19-Aug-11	IS	0	0.17	REG	Explosives	35572-78-2	2-Amino-4,6-dinitrotoluene	0.031	0.0943	0.031	mg/kg	U	U				1
178A005	NWO-178-0005	19-Aug-11	IS	0	0.17	REG	Explosives	88-72-2	2-Nitrotoluene	0.0445	0.189	0.0445	mg/kg	U	U				1
178A005	NWO-178-0005	19-Aug-11	IS	0	0.17	REG	Explosives	99-08-1	3-Nitrotoluene	0.0603	0.189	0.0603	mg/kg	U	U				1
178A005	NWO-178-0005	19-Aug-11	IS	0	0.17	REG	Explosives	19406-51-0	4-Amino-2,6-dinitrotoluene	0.0282	0.0943	0.0282	mg/kg	U	U				1
178A005	NWO-178-0005	19-Aug-11	IS	0	0.17	REG	Explosives	99-99-0	4-Nitrotoluene	0.0344	0.189	0.0344	mg/kg	U	U				1

Summary of Analytical Results
Pocatello Bombing Range No. 3

Location	Sample Number	Sample Date	Sampe Type	Start Depth (ft bgs)	End Depth (ft bgs)	Sample Purpose	Fraction	CAS No.	Parameter	Result	PQL	MDL	Units	LQ	VQ	R1	R2	R3	Dilution Factor
178A005	NWO-178-0005	19-Aug-11	IS	0	0.17	REG	Explosives	2691-41-0	HMX	0.0214	0.0943	0.0214	mg/kg	U	U				1
178A005	NWO-178-0005	19-Aug-11	IS	0	0.17	REG	Explosives	98-95-3	Nitrobenzene	0.0801	0.283	0.0801	mg/kg	U	U				1
178A005	NWO-178-0005	19-Aug-11	IS	0	0.17	REG	Explosives	55-63-0	Nitroglycerine	0.203	1.89	0.203	mg/kg	U	U				1
178A005	NWO-178-0005	19-Aug-11	IS	0	0.17	REG	Explosives	78-11-5	PETN	0.465	1.89	0.465	mg/kg	U	U				1
178A005	NWO-178-0005	19-Aug-11	IS	0	0.17	REG	Explosives	121-82-4	RDX	0.0405	0.189	0.0405	mg/kg	U	U				1
178A005	NWO-178-0005	19-Aug-11	IS	0	0.17	REG	Explosives	479-45-8	Tetryl	0.0414	0.189	0.0414	mg/kg	U	U				1
178A005	NWO-178-0005	19-Aug-11	IS	0	0.17	REG	SVOC	120-12-7	Anthracene	0.0169	0.329	0.0169	mg/kg	U	U				1
178A005	NWO-178-0005	19-Aug-11	IS	0	0.17	REG	SVOC	67-72-1	Hexachloroethane	0.0212	0.329	0.0212	mg/kg	U	U				1
178A006	NWO-178-0006	18-Aug-11	IS	0	0.17	REG	Metals	7429-90-5	Aluminum	16100	246	7.61	mg/kg	B J					5
178A006	NWO-178-0006	18-Aug-11	IS	0	0.17	REG	Metals	7440-39-3	Barium	180	0.235	0.0331	mg/kg						1
178A006	NWO-178-0006	18-Aug-11	IS	0	0.17	REG	Explosives	99-35-4	1,3,5-Trinitrobenzene	0.0133	0.0967	0.0133	mg/kg	U	U				1
178A006	NWO-178-0006	18-Aug-11	IS	0	0.17	REG	Explosives	99-65-0	1,3-Dinitrobenzene	0.0161	0.0967	0.0161	mg/kg	U	U				1
178A006	NWO-178-0006	18-Aug-11	IS	0	0.17	REG	Explosives	118-96-7	2,4,6-Trinitrotoluene	0.0297	0.0967	0.0297	mg/kg	U	U				1
178A006	NWO-178-0006	18-Aug-11	IS	0	0.17	REG	Explosives	121-14-2	2,4-Dinitrotoluene	0.0142	0.0967	0.0142	mg/kg	U	U				1
178A006	NWO-178-0006	18-Aug-11	IS	0	0.17	REG	Explosives	606-20-2	2,6-Dinitrotoluene	0.0185	0.0967	0.0185	mg/kg	U	U				1
178A006	NWO-178-0006	18-Aug-11	IS	0	0.17	REG	Explosives	35572-78-2	2-Amino-4,6-dinitrotoluene	0.0318	0.0967	0.0318	mg/kg	U	U				1
178A006	NWO-178-0006	18-Aug-11	IS	0	0.17	REG	Explosives	88-72-2	2-Nitrotoluene	0.0456	0.193	0.0456	mg/kg	U	U				1
178A006	NWO-178-0006	18-Aug-11	IS	0	0.17	REG	Explosives	99-08-1	3-Nitrotoluene	0.0619	0.193	0.0619	mg/kg	U	U				1
178A006	NWO-178-0006	18-Aug-11	IS	0	0.17	REG	Explosives	19406-51-0	4-Amino-2,6-dinitrotoluene	0.0289	0.0967	0.0289	mg/kg	U	U				1
178A006	NWO-178-0006	18-Aug-11	IS	0	0.17	REG	Explosives	99-99-0	4-Nitrotoluene	0.0353	0.193	0.0353	mg/kg	U	U				1
178A006	NWO-178-0006	18-Aug-11	IS	0	0.17	REG	Explosives	2691-41-0	HMX	0.022	0.0967	0.022	mg/kg	U	U				1
178A006	NWO-178-0006	18-Aug-11	IS	0	0.17	REG	Explosives	98-95-3	Nitrobenzene	0.0822	0.29	0.0822	mg/kg	U	U				1
178A006	NWO-178-0006	18-Aug-11	IS	0	0.17	REG	Explosives	55-63-0	Nitroglycerine	0.208	1.93	0.208	mg/kg	U	U				1
178A006	NWO-178-0006	18-Aug-11	IS	0	0.17	REG	Explosives	78-11-5	PETN	0.477	1.93	0.477	mg/kg	U	U				1
178A006	NWO-178-0006	18-Aug-11	IS	0	0.17	REG	Explosives	121-82-4	RDX	0.0416	0.193	0.0416	mg/kg	U	U				1
178A006	NWO-178-0006	18-Aug-11	IS	0	0.17	REG	Explosives	479-45-8	Tetryl	0.0425	0.193	0.0425	mg/kg	U	U				1
178A006	NWO-178-0006	18-Aug-11	IS	0	0.17	REG	SVOC	120-12-7	Anthracene	0.0165	0.319	0.0165	mg/kg	U	U				1
178A006	NWO-178-0006	18-Aug-11	IS	0	0.17	REG	SVOC	67-72-1	Hexachloroethane	0.0206	0.319	0.0206	mg/kg	U	U				1
178A009	NWO-178-1001	20-Aug-11	SD	0	0.17	REG	Metals	7429-90-5	Aluminum	23700	93.5	1.45	mg/kg	J					1
178A009	NWO-178-1001	20-Aug-11	SD	0	0.17	REG	Metals	7440-39-3	Barium	272	0.476	0.0671	mg/kg						1
178A009	NWO-178-1001	20-Aug-11	SD	0	0.17	REG	Explosives	99-35-4	1,3,5-Trinitrobenzene	0.0136	0.0989	0.0136	mg/kg	U	U				1
178A009	NWO-178-1001	20-Aug-11	SD	0	0.17	REG	Explosives	99-65-0	1,3-Dinitrobenzene	0.0164	0.0989	0.0164	mg/kg	U	U				1
178A009	NWO-178-1001	20-Aug-11	SD	0	0.17	REG	Explosives	118-96-7	2,4,6-Trinitrotoluene	0.0304	0.0989	0.0304	mg/kg	U	U				1
178A009	NWO-178-1001	20-Aug-11	SD	0	0.17	REG	Explosives	121-14-2	2,4-Dinitrotoluene	0.0145	0.0989	0.0145	mg/kg	U	U				1
178A009	NWO-178-1001	20-Aug-11	SD	0	0.17	REG	Explosives	606-20-2	2,6-Dinitrotoluene	0.0189	0.0989	0.0189	mg/kg	U	U				1
178A009	NWO-178-1001	20-Aug-11	SD	0	0.17	REG	Explosives	35572-78-2	2-Amino-4,6-dinitrotoluene	0.0325	0.0989	0.0325	mg/kg	U	U				1
178A009	NWO-178-1001	20-Aug-11	SD	0	0.17	REG	Explosives	88-72-2	2-Nitrotoluene	0.0467	0.198	0.0467	mg/kg	U	U				1
178A009	NWO-178-1001	20-Aug-11	SD	0	0.17	REG	Explosives	99-08-1	3-Nitrotoluene	0.0633	0.198	0.0633	mg/kg	U	U				1
178A009	NWO-178-1001	20-Aug-11	SD	0	0.17	REG	Explosives	19406-51-0	4-Amino-2,6-dinitrotoluene	0.0296	0.0989	0.0296	mg/kg	U	U				1
178A009	NWO-178-1001	20-Aug-11	SD	0	0.17	REG	Explosives	99-99-0	4-Nitrotoluene	0.0361	0.198	0.0361	mg/kg	U	U				1
178A009	NWO-178-1001	20-Aug-11	SD	0	0.17	REG	Explosives	2691-41-0	HMX	0.0225	0.0989	0.0225	mg/kg	U	U				1
178A009	NWO-178-1001	20-Aug-11	SD	0	0.17	REG	Explosives	98-95-3	Nitrobenzene	0.0841	0.297	0.0841	mg/kg	U	U				1
178A009	NWO-178-1001	20-Aug-11	SD	0	0.17	REG	Explosives	55-63-0	Nitroglycerine	0.213	1.98	0.213	mg/kg	U	U				1
178A009	NWO-178-1001	20-Aug-11	SD	0	0.17	REG	Explosives	78-11-5	PETN	0.488	1.98	0.488	mg/kg	U	U				1

Summary of Analytical Results
Pocatello Bombing Range No. 3

Location	Sample Number	Sample Date	Sampe Type	Start Depth (ft bgs)	End Depth (ft bgs)	Sample Purpose	Fraction	CAS No.	Parameter	Result	PQL	MDL	Units	LQ	VQ	R1	R2	R3	Dilution Factor
178A009	NWO-178-1001	20-Aug-11	SD	0	0.17	REG	Explosives	121-82-4	RDX	0.0425	0.198	0.0425	mg/kg	U	U				1
178A009	NWO-178-1001	20-Aug-11	SD	0	0.17	REG	Explosives	479-45-8	Tetryl	0.0434	0.198	0.0434	mg/kg	U	U				1
178A009	NWO-178-1001	20-Aug-11	SD	0	0.17	REG	SVOC	120-12-7	Anthracene	0.0164	0.318	0.0164	mg/kg	U	U				1
178A009	NWO-178-1001	20-Aug-11	SD	0	0.17	REG	SVOC	67-72-1	Hexachloroethane	0.0205	0.318	0.0205	mg/kg	U	U				1
178A009	NWO-178-1002	20-Aug-11	SD	0	0.17	FD	Metals	7429-90-5	Aluminum	23900	92.6	1.44	mg/kg	J					1
178A009	NWO-178-1002	20-Aug-11	SD	0	0.17	FD	Metals	7440-39-3	Barium	293	0.495	0.0698	mg/kg						1
178A009	NWO-178-1002	20-Aug-11	SD	0	0.17	FD	Explosives	99-35-4	1,3,5-Trinitrobenzene	0.0135	0.0979	0.0135	mg/kg	U	U				1
178A009	NWO-178-1002	20-Aug-11	SD	0	0.17	FD	Explosives	99-65-0	1,3-Dinitrobenzene	0.0163	0.0979	0.0163	mg/kg	U	U				1
178A009	NWO-178-1002	20-Aug-11	SD	0	0.17	FD	Explosives	118-96-7	2,4,6-Trinitrotoluene	0.0301	0.0979	0.0301	mg/kg	U	U				1
178A009	NWO-178-1002	20-Aug-11	SD	0	0.17	FD	Explosives	121-14-2	2,4-Dinitrotoluene	0.0144	0.0979	0.0144	mg/kg	U	U				1
178A009	NWO-178-1002	20-Aug-11	SD	0	0.17	FD	Explosives	606-20-2	2,6-Dinitrotoluene	0.0187	0.0979	0.0187	mg/kg	U	U				1
178A009	NWO-178-1002	20-Aug-11	SD	0	0.17	FD	Explosives	35572-78-2	2-Amino-4,6-dinitrotoluene	0.0322	0.0979	0.0322	mg/kg	U	U				1
178A009	NWO-178-1002	20-Aug-11	SD	0	0.17	FD	Explosives	88-72-2	2-Nitrotoluene	0.0462	0.196	0.0462	mg/kg	U	U				1
178A009	NWO-178-1002	20-Aug-11	SD	0	0.17	FD	Explosives	99-08-1	3-Nitrotoluene	0.0627	0.196	0.0627	mg/kg	U	U				1
178A009	NWO-178-1002	20-Aug-11	SD	0	0.17	FD	Explosives	19406-51-0	4-Amino-2,6-dinitrotoluene	0.0293	0.0979	0.0293	mg/kg	U	U				1
178A009	NWO-178-1002	20-Aug-11	SD	0	0.17	FD	Explosives	99-99-0	4-Nitrotoluene	0.0357	0.196	0.0357	mg/kg	U	U				1
178A009	NWO-178-1002	20-Aug-11	SD	0	0.17	FD	Explosives	2691-41-0	HMX	0.0222	0.0979	0.0222	mg/kg	U	U				1
178A009	NWO-178-1002	20-Aug-11	SD	0	0.17	FD	Explosives	98-95-3	Nitrobenzene	0.0833	0.294	0.0833	mg/kg	U	U				1
178A009	NWO-178-1002	20-Aug-11	SD	0	0.17	FD	Explosives	55-63-0	Nitroglycerine	0.211	1.96	0.211	mg/kg	U	U				1
178A009	NWO-178-1002	20-Aug-11	SD	0	0.17	FD	Explosives	78-11-5	PETN	0.483	1.96	0.483	mg/kg	U	U				1
178A009	NWO-178-1002	20-Aug-11	SD	0	0.17	FD	Explosives	121-82-4	RDX	0.0421	0.196	0.0421	mg/kg	U	U				1
178A009	NWO-178-1002	20-Aug-11	SD	0	0.17	FD	Explosives	479-45-8	Tetryl	0.043	0.196	0.043	mg/kg	U	U				1
178A009	NWO-178-1002	20-Aug-11	SD	0	0.17	FD	SVOC	120-12-7	Anthracene	0.016	0.311	0.016	mg/kg	U	U				1
178A009	NWO-178-1002	20-Aug-11	SD	0	0.17	FD	SVOC	67-72-1	Hexachloroethane	0.0201	0.311	0.0201	mg/kg	U	U				1
178A010	NWO-178-5001	17-Aug-11	IS	0	0.17	REG	Metals	7429-90-5	Aluminum	10400	46.1	1.43	mg/kg	B J					1
178A010	NWO-178-5001	17-Aug-11	IS	0	0.17	REG	Metals	7440-39-3	Barium	205	0.24	0.0338	mg/kg						1
178A010	NWO-178-5001	17-Aug-11	IS	0	0.17	REG	SVOC	120-12-7	Anthracene	0.0165	0.32	0.0165	mg/kg	U	U				1
178A010	NWO-178-5001	17-Aug-11	IS	0	0.17	REG	SVOC	67-72-1	Hexachloroethane	0.0207	0.32	0.0207	mg/kg	U	U				1
178A011	NWO-178-5002	17-Aug-11	SD	0	0.33	REG	Metals	7429-90-5	Aluminum	15900	97.1	1.5	mg/kg	J	J	19	13		1
178A011	NWO-178-5002	17-Aug-11	SD	0	0.33	REG	Metals	7440-39-3	Barium	212	0.495	0.0698	mg/kg	J					1
178A011	NWO-178-5002	17-Aug-11	SD	0	0.33	REG	SVOC	120-12-7	Anthracene	0.0168	0.327	0.0168	mg/kg	U	U				1
178A011	NWO-178-5002	17-Aug-11	SD	0	0.33	REG	SVOC	67-72-1	Hexachloroethane	0.0211	0.327	0.0211	mg/kg	U	U				1
FIELDQC	NWO-178-8001	20-Aug-11	BW	---	---	ER	Metals	7429-90-5	Aluminum	18	300	18	ug/L	U	nv				1
FIELDQC	NWO-178-8001	20-Aug-11	BW	---	---	ER	Metals	7440-39-3	Barium	2.26	3	0.29	ug/L	J	nv	15			1
FIELDQC	NWO-178-8001	20-Aug-11	BW	---	---	ER	Explosives	99-35-4	1,3,5-Trinitrobenzene	0.199	0.994	0.199	ug/L	U	nv				1
FIELDQC	NWO-178-8001	20-Aug-11	BW	---	---	ER	Explosives	99-65-0	1,3-Dinitrobenzene	0.0881	0.397	0.0881	ug/L	U	nv				1
FIELDQC	NWO-178-8001	20-Aug-11	BW	---	---	ER	Explosives	118-96-7	2,4,6-Trinitrotoluene	0.0719	0.397	0.0719	ug/L	U	nv				1
FIELDQC	NWO-178-8001	20-Aug-11	BW	---	---	ER	Explosives	121-14-2	2,4-Dinitrotoluene	0.0833	0.397	0.0833	ug/L	U	nv				1
FIELDQC	NWO-178-8001	20-Aug-11	BW	---	---	ER	Explosives	606-20-2	2,6-Dinitrotoluene	0.0641	0.199	0.0641	ug/L	U	nv				1
FIELDQC	NWO-178-8001	20-Aug-11	BW	---	---	ER	Explosives	35572-78-2	2-Amino-4,6-dinitrotoluene	0.0504	0.199	0.0504	ug/L	U	nv				1
FIELDQC	NWO-178-8001	20-Aug-11	BW	---	---	ER	Explosives	88-72-2	2-Nitrotoluene	0.085	0.397	0.085	ug/L	U	nv				1
FIELDQC	NWO-178-8001	20-Aug-11	BW	---	---	ER	Explosives	99-08-1	3-Nitrotoluene	0.0829	0.397	0.0829	ug/L	U	nv				1
FIELDQC	NWO-178-8001	20-Aug-11	BW	---	---	ER	Explosives	19406-51-0	4-Amino-2,6-dinitrotoluene	0.0573	0.199	0.0573	ug/L	U	nv				1
FIELDQC	NWO-178-8001	20-Aug-11	BW	---	---	ER	Explosives	99-99-0	4-Nitrotoluene	0.199	0.994	0.199	ug/L	U	nv				1

Summary of Analytical Results
Pocatello Bombing Range No. 3

Location	Sample Number	Sample Date	Sampe Type	Start Depth (ft bgs)	End Depth (ft bgs)	Sample Purpose	Fraction	CAS No.	Parameter	Result	PQL	MDL	Units	LQ	VQ	R1	R2	R3	Dilution Factor
FIELDQC	NWO-178-8001	20-Aug-11	BW	---	---	ER	Explosives	2691-41-0	HMX	0.087	0.397	0.087	ug/L	U	nv				1
FIELDQC	NWO-178-8001	20-Aug-11	BW	---	---	ER	Explosives	98-95-3	Nitrobenzene	0.0904	0.397	0.0904	ug/L	U	nv				1
FIELDQC	NWO-178-8001	20-Aug-11	BW	---	---	ER	Explosives	55-63-0	Nitroglycerine	0.915	2.98	0.915	ug/L	U	nv				1
FIELDQC	NWO-178-8001	20-Aug-11	BW	---	---	ER	Explosives	78-11-5	PETN	0.413	1.99	0.413	ug/L	U	nv				1
FIELDQC	NWO-178-8001	20-Aug-11	BW	---	---	ER	Explosives	121-82-4	RDX	0.052	0.199	0.052	ug/L	U	nv				1
FIELDQC	NWO-178-8001	20-Aug-11	BW	---	---	ER	Explosives	479-45-8	Tetryl	0.0788	0.238	0.0788	ug/L	U	nv				1
FIELDQC	NWO-178-8001	20-Aug-11	BW	---	---	ER	SVOC	120-12-7	Anthracene	0.415	9.87	0.415	ug/L	U J	nv				1
FIELDQC	NWO-178-8001	20-Aug-11	BW	---	---	ER	SVOC	67-72-1	Hexachloroethane	2.07	9.87	2.07	ug/L	U	nv				1

Notes:

ft bgs - feet below ground surface
PQL - practical quantitation limit
MDL - method detection limit
LQ - laboratory data qualifier
VQ - validation data qualifier
R1 - validation qualifier reason code no. 1
R2 - validation qualifier reason code no. 2
R3 - validation qualifier reason code no. 3
REG - regular field sample
TF - field triplicate sample
FD - field duplicate sample
ER - equipment rinsate
IS - incremental surface soil (0 - 0.5 ft bgs)
SD - sediment sample
BW - blank water
mg/kg - milligrams per kilogram
ug/L - micrograms per liter
SVOC - semivolatile organic compound
HMX - octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
PETN - pentaerythritol tetranitrate
RDX - hexahydro-1,3,5-trinitro-1,3,5-triazine
Tetryl - methyl-2,4,6-trinitrophenylnitramine

See Table G-4 for laboratory and data validation qualifier definitions
See Table G-5 for data validation reason code definitions

ATTACHMENT 2

Summary of Analytical Results greater than the MDL

Attachment 2

Summary of Analytical Results greater than the MDL
Pocatello Bombing Range No. 3

Location	Sample Number	Sample Date	Sampe Type	Start Depth (ft bgs)	End Depth (ft bgs)	Sample Purpose	Fraction	CAS No.	Parameter	Result	PQL	MDL	Units	LQ	VQ	R1	R2	R3	Dilution Factor
178A001	NWO-178-0001	18-Aug-11	IS	0	0.17	REG	Metals	7429-90-5	Aluminum	15300	245	7.59	mg/kg	B J					5
178A001	NWO-178-0001	18-Aug-11	IS	0	0.17	REG	Metals	7440-39-3	Barium	174	0.229	0.0323	mg/kg						1
178A001	NWO-178-0009	18-Aug-11	IS	0	0.17	TF	Metals	7429-90-5	Aluminum	10300	47.1	1.46	mg/kg	B J					1
178A001	NWO-178-0009	18-Aug-11	IS	0	0.17	TF	Metals	7440-39-3	Barium	209	0.246	0.0346	mg/kg						1
178A001	NWO-178-0010	19-Aug-11	IS	0	0.17	TF	Metals	7429-90-5	Aluminum	10400	48.5	1.5	mg/kg	B J					1
178A001	NWO-178-0010	19-Aug-11	IS	0	0.17	TF	Metals	7440-39-3	Barium	176	0.229	0.0323	mg/kg						1
178A002	NWO-178-0002	19-Aug-11	IS	0	0.17	REG	Metals	7429-90-5	Aluminum	12300	48.4	1.5	mg/kg	B J					1
178A002	NWO-178-0002	19-Aug-11	IS	0	0.17	REG	Metals	7440-39-3	Barium	187	0.24	0.0338	mg/kg						1
178A003	NWO-178-0003	19-Aug-11	IS	0	0.17	REG	Metals	7429-90-5	Aluminum	11900	47.3	1.47	mg/kg	J B	J	19	13		1
178A003	NWO-178-0003	19-Aug-11	IS	0	0.17	REG	Metals	7440-39-3	Barium	181	0.249	0.035	mg/kg	J					1
178A004	NWO-178-0004	20-Aug-11	IS	0	0.17	REG	Metals	7429-90-5	Aluminum	13400	233	7.23	mg/kg	B J					5
178A004	NWO-178-0004	20-Aug-11	IS	0	0.17	REG	Metals	7440-39-3	Barium	223	0.249	0.0351	mg/kg						1
178A005	NWO-178-0005	19-Aug-11	IS	0	0.17	REG	Metals	7429-90-5	Aluminum	11300	49.5	1.53	mg/kg	B J					1
178A005	NWO-178-0005	19-Aug-11	IS	0	0.17	REG	Metals	7440-39-3	Barium	174	0.244	0.0344	mg/kg						1
178A006	NWO-178-0006	18-Aug-11	IS	0	0.17	REG	Metals	7429-90-5	Aluminum	16100	246	7.61	mg/kg	B J					5
178A006	NWO-178-0006	18-Aug-11	IS	0	0.17	REG	Metals	7440-39-3	Barium	180	0.235	0.0331	mg/kg						1
178A009	NWO-178-1001	20-Aug-11	SD	0	0.17	REG	Metals	7429-90-5	Aluminum	23700	93.5	1.45	mg/kg	J					1
178A009	NWO-178-1001	20-Aug-11	SD	0	0.17	REG	Metals	7440-39-3	Barium	272	0.476	0.0671	mg/kg						1
178A009	NWO-178-1002	20-Aug-11	SD	0	0.17	FD	Metals	7429-90-5	Aluminum	23900	92.6	1.44	mg/kg	J					1
178A009	NWO-178-1002	20-Aug-11	SD	0	0.17	FD	Metals	7440-39-3	Barium	293	0.495	0.0698	mg/kg						1
178A010	NWO-178-5001	17-Aug-11	IS	0	0.17	REG	Metals	7429-90-5	Aluminum	10400	46.1	1.43	mg/kg	B J					1
178A010	NWO-178-5001	17-Aug-11	IS	0	0.17	REG	Metals	7440-39-3	Barium	205	0.24	0.0338	mg/kg						1
178A011	NWO-178-5002	17-Aug-11	SD	0	0.33	REG	Metals	7429-90-5	Aluminum	15900	97.1	1.5	mg/kg	J	J	19	13		1
178A011	NWO-178-5002	17-Aug-11	SD	0	0.33	REG	Metals	7440-39-3	Barium	212	0.495	0.0698	mg/kg	J					1
FIELDQC	NWO-178-8001	20-Aug-11	BW	---	---	ER	Metals	7440-39-3	Barium	2.26	3	0.29	ug/L	J	nv	15			1

Notes:

ft bgs - feet below ground surface
PQL - practical quantitation limit
MDL - method detection limit
LQ - laboratory data qualifier
VQ - validation data qualifier
R1 - validation qualifier reason code no. 1
R2 - validation qualifier reason code no. 2
R3 - validation qualifier reason code no. 3
REG - regular field sample
TF - field triplicate sample
FD - field duplicate sample
ER - equipment rinsate
IS - incremental surface soil (0 - 0.5 ft bgs)
SD - sediment sample
BW - blank water
mg/kg - milligrams per kilogram
ug/L - micrograms per liter

See Table G-4 for laboratory and data validation qualifier definitions
See Table G-5 for data validation reason code definitions

ATTACHMENT 3

Approved Variances

I. Project Name FUDS MMRP NWO	**II.** Project Number: 116188
III. Date Of Issue 9/15/2009	**IV.** Linked w/NC No: (if applicable) N/A

- - Variance Report For FUDS MMRP NWO - -

V. Summary of the Change: (by the person identifying the change)

Section of DoD QSM or Shaw FUDS MMRP SAP	DoD QSM or Shaw's FUDS MMRP SAP Requirement	Variance Request	Justification for Variance Request
Shaw's FUDS MMRP SAP Sample Table 5-1 "Target Analyte List for Polycyclic Aromatic Hydrocarbons by Gas Chromatography/Mass Spectroscopy (based on SW-846 Method 8270C Low Level)"	Soil PAH PQLs and surrogate recovery QA requirements are as follows:	Test America-Denver requests the following soil PAH PQLs and surrogate QA requirements:	TA-Denver's PQLs are based on internal laboratory MDL studies. All PAH results will be reported at their corresponding MDL value. PAH results reported between their PQL and MDL will be "J" qualified as estimated.

PAH Compound	Soil PQL (ug/kg)	PAH Compound	Soil PQL (ug/kg)
Acenaphthene	15	Acenaphthene	5
Acenaphthylene	15	Acenaphthylene	5
Anthracene	15	Anthracene	5
Benzo(a)anthracene	15	Benzo(a)anthracene	5
Benzo(b)fluoranthene	15	Benzo(b)fluoranthene	5
Benzo(k)fluoranthene	15	Benzo(k)fluoranthene	5
Benzo(g,h,i)perylene	15	Benzo(g,h,i)perylene	5
Benzo(a)pyrene	15	Benzo(a)pyrene	5
Chrysene	15	Chrysene	5
Dibenz(a)anthracene	15	Dibenz(a)anthracene	5
Fluroanthene	15	Fluroanthene	5
Fluorene	15	Fluorene	5
Indeno(1,2,3-cd)pyrene	15	Indeno(1,2,3-cd)pyrene	5
Naphthalene	15	Naphthalene	5
Phenanthrene	15	Phenanthrene	5
Pyrene	15	Pyrene	5
Nitrobenzene-d5	35-100	Nitrobenzene-d5	42-112
2-Fluorobiphenyl	45-105	2-Fluorobiphenyl	39-104
Terphenyl-d14	30-125	Terphenyl-d14	35-112

Section of DoD QSM or Shaw FUDS MMRP SAP	DoD QSM or Shaw's FUDS MMRP SAP Requirement	Variance Request	Justification for Variance Request
Shaw's FUDS MMRP SAP Sample Table 5-1 "Target Analyte List for Polycyclic Aromatic Hydrocarbons by Gas Chromatography/Mass Spectroscopy (based on SW-846 Method 8270C Low Level)"	Aqueous PAH PQLs and surrogate recovery QA requirements are as follows:	Test America-Denver requests the following aqueous PAH PQLs and surrogate QA requirements:	TA-Denver's PQLs are based on internal laboratory MDL studies. All PAH results will be reported at their corresponding MDL value. PAH results reported between their PQL and MDL will be "J" qualified as estimated.

PAH Compound	Aqueous PQL (ug/L)	PAH Compound	Aqueous PQL (ug/L)
Acenaphthene	0.2	Acenaphthene	0.1
Acenaphthylene	0.2	Acenaphthylene	0.1
Anthracene	0.2	Anthracene	0.1
Benzo(a)anthracene	0.2	Benzo(a)anthracene	0.1
Benzo(b)fluoranthene	0.2	Benzo(b)fluoranthene	0.1
Benzo(k)fluoranthene	0.2	Benzo(k)fluoranthene	0.1
Benzo(g,h,i)perylene	0.2	Benzo(g,h,i)perylene	0.1
Benzo(a)pyrene	0.2	Benzo(a)pyrene	0.1
Chrysene	0.2	Chrysene	0.1
Dibenz(a)anthracene	0.2	Dibenz(a)anthracene	0.1
Fluroanthene	0.2	Fluroanthene	0.1
Fluorene	0.2	Fluorene	0.1
Indeno(1,2,3-cd)pyrene	0.2	Indeno(1,2,3-cd)pyrene	0.1
Naphthalene	0.2	Naphthalene	0.1
Phenanthrene	0.2	Phenanthrene	0.1
Pyrene	0.2	Pyrene	0.1
Nitrobenzene-d5	40-110	Nitrobenzene-d5	43-119
2-Fluorobiphenyl	50-110	2-Fluorobiphenyl	42-98
Terphenyl-d14	50-135	Terphenyl-d14	47-110

I. Project Name FUDS MMRP NWO	**II.** Project Number: 116188
III. Date Of Issue 9/15/2009	**IV.** Linked w/NC No: (if applicable) NA

- - Variance Report For FUDS MMRP NWO - -

V. Summary of the Change: (by the person identifying the change)

Section of DoD QSM or Shaw FUDS MMRP SAP	DoD QSM or Shaw's FUDS MMRP SAP Requirement		Variance Request		Justification for Variance Request
Shaw's FUDS MMRP SAP Sample Table 5-2 "Target Analyte List for Explosives by High Performance Liquid Chromatography (based on SW-846 Method 8330A)"	Soil Explosive PQLs and surrogate recovery QA requirements are as follows:		Test America-Denver requests the following Explosive PQLs and surrogate QA requirements:		TA-Denver's PQLs are based on internal laboratory MDL studies. All explosive results will be reported at their corresponding MDL value. Explosive results reported between their PQL and MDL will be "J" qualified as estimated. TA-Denver employs 1,2-dinitrobenzene as the explosive surrogate for Method SW-846 8330.
	Explosive Compound	**Soil PQL (mg/kg)**	**Explosive Compound**	**Soil PQL (mg/kg)**	
	HMX	0.050	HMX	0.10	
	RDX	0.075	RDX	0.20	
	1,3,5-Trinitrobenzene	0.020	1,3,5-Trinitrobenzene	0.10	
	1,3-Dinitrobenzene	0.020	1,3-Dinitrobenzene	0.10	
	Tetryl	0.065	Tetryl	0.20	
	Nitrobenzene	0.020	Nitrobenzene	2.0	
	2,4,6-Trinitrotoluene	0.040	2,4,6-Trinitrotoluene	0.10	
	4-Amino-2,6-dinitrotoluene	0.040	4-Amino-2,6-dinitrotoluene	0.10	
	2-Amino-4,6-dinitrotoluene	0.040	2-Amino-4,6-dinitrotoluene	0.10	
	2,4-Dinitrotoluene	0.040	2,4-Dinitrotoluene	0.10	
	2,6-Dinitrotoluene	0.040	2,6-Dinitrotoluene	0.10	
	2-Nitrotoluene	0.075	2-Nitrotoluene	0.20	
	3-Nitrotoluene	0.050	3-Nitrotoluene	0.20	
	4-Nitrotoluene	0.040	4-Nitrotoluene	0.20	
	Nitroglycerin	10	Nitroglycerin	2.0	
	PETN	0.50	PETN	2.0	
	4-Nitroaniline	50 - 150 %	1,2-Dichlorobenzene	83 - 122 %	
Shaw's FUDS MMRP SAP Sample Table 5-2 "Target Analyte List for Explosives by High Performance Liquid Chromatography (based on SW-846 Method 8330A)"	Aqueous Explosive PQLs and surrogate recovery QA requirements are as follows:		Test America-Denver requests the following Explosive PQLs and surrogate QA requirements:		TA-Denver's PQLs are based on internal laboratory MDL studies. All explosive results will be reported at their corresponding MDL value. Explosive results reported between their PQL and MDL will be "J" qualified as estimated. TA-Denver employs 1,2-dinitrobenzene as the explosive surrogate for Method SW-846 8330.
	Explosive Compound	**Aqueous PQL (ug/L)**	**Explosive Compound**	**Aqueous PQL (ug/L)**	
	HMX	0.40	HMX	0.4	
	RDX	0.80	RDX	0.4	
	1,3,5-Trinitrobenzene	0.20	1,3,5-Trinitrobenzene	1.0	
	1,3-Dinitrobenzene	0.20	1,3-Dinitrobenzene	0.4	
	Tetryl	0.75	Tetryl	0.4	
	Nitrobenzene	0.20	Nitrobenzene	0.4	
	2,4,6-Trinitrotoluene	0.30	2,4,6-Trinitrotoluene	0.4	
	4-Amino-2,6-dinitrotoluene	0.20	4-Amino-2,6-dinitrotoluene	0.4	
	2-Amino-4,6-dinitrotoluene	0.20	2-Amino-4,6-dinitrotoluene	0.4	
	2,4-Dinitrotoluene	0.30	2,4-Dinitrotoluene	0.4	
	2,6-Dinitrotoluene	0.30	2,6-Dinitrotoluene	0.4	
	2-Nitrotoluene	0.40	2-Nitrotoluene	0.4	
	3-Nitrotoluene	0.80	3-Nitrotoluene	0.4	
	4-Nitrotoluene	0.40	4-Nitrotoluene	1.0	
	Nitroglycerin	50	Nitroglycerin	4.0	
	PETN	1.30	PETN	2.0	
	4-Nitroaniline	50 – 150%	1,2-Dinitrobenzene	75 - 118%	

I. Project Name	FUDS MMRP NWO	**II.** Project Number:	116188
III. Date Of Issue	9/15/2009	**IV.** Linked w/NC No: (if applicable)	N/A
V.	Summary of the Change: (by the person identifying the change)		

Section of DoD QSM or MMRP SI PSAP	DoD QSM or MMRP SI PSAP Requirement		Variance Request		Justification for Variance Request
Shaw's FUDS MMRP SAP Sample Table 5-4 "Target Analyte List for Inorganics by Inductively Coupled Plasma/Mass Spectroscopy and Cold Vapor Atomic Absorption Analysis (based on SW-846 Method 6020A, and 7000 Series)"	Soil Metals PQLs are as follows:		Test America-Denver requests the following metals by analyzed by a combination of SW-846 6010 / 6020 at the PQLs listed below:		TA-Denver's PQLs are based on internal laboratory MDL studies. All metal results will be reported at their corresponding MDL value. Metals results reported between their PQL and MDL will be "J" qualified as estimated.
	SW-846 6020 Metals		**SW-846 6010 Metals**		
	Analyte	**Soil PQL (mg/kg)**	**Analyte**	**Soil PQL (mg/kg)**	
	Aluminum	20.0	Aluminum	60	
	Calcium	100	Calcium	130	
	Iron	15.0	Iron	100	
	Magnesium	25.0	Magnesium	35	
	Potassium	25.0	Potassium	300	
	Sodium	250	Sodium	570	
	Strontium	---	Strontium	1.0	
	Titanium	---	Titanium	1.5	
	SW-846 6020 Metals		**SW-846 6020 Metals**		
	Analyte	**Soil PQL (mg/kg)**	**Analyte**	**Soil PQL (mg/kg)**	
	Antimony	0.5	Antimony	0.25	
	Arsenic	0.6	Arsenic	0.60	
	Barium	0.5	Barium	0.28	
	Beryllium	0.4	Beryllium	0.10	
	Cadmium	0.5	Cadmium	0.10	
	Chromium	1.0	Chromium	0.70	
	Cobalt	0.5	Cobalt	0.10	
	Copper	1.0	Copper	0.32	
	Lead	1.0	Lead	0.40	
	Manganese	0.5	Manganese	1.00	
	Molybdenum	0.5	Molybdenum	0.20	
	Nickel	1.0	Nickel	0.35	
	Selenium	2.0	Selenium	0.50	
	Silver	0.3	Silver	0.10	
	Thallium	0.5	Thallium	0.10	
	Vanadium	15	Vanadium	0.50	
	Zinc	2.0	Zinc	2.50	
	SW-846 7471		**SW-846 7471**		
	Analyte	**Soil PQL (mg/kg)**	**Analyte**	**Soil PQL (mg/kg)**	
	Mercury	0.06	Mercury	0.033	

I. Project Name	FUDS MMRP NWO	**II.** Project Number:	116188
III. Date Of Issue	9/15/2009	**IV.** Linked w/NC No: (if applicable)	N/A
V.	Summary of the Change: (by the person identifying the change)		

Section of DoD QSM or MMRP SI PSAP	DoD QSM or MMRP SI PSAP Requirement		Variance Request		Justification for Variance Request
Shaw's FUDS MMRP SAP Sample Table 5-4 "Target Analyte List for Inorganics by Inductively Coupled Plasma/Mass Spectroscopy and Cold Vapor Atomic Absorption Analysis (based on SW-846 Method 6020A, and 7000 Series)"	Soil Metals PQLs are as follows:		Test America-Denver requests the following metals by analyzed by a combination of SW-846 6010 / 6020 at the PQLs listed below:		TA-Denver's PQLs are based on internal laboratory MDL studies. All metal results will be reported at their corresponding MDL value. Metals results reported between their PQL and MDL will be "J" qualified as estimated.
	SW-846 6020 Metals		**SW-846 6010 Metals**		
	Analyte	**Aqueous PQL (ug/L)**	**Analyte**	**Aqueous PQL (ug/L)**	
	Aluminum	60	Aluminum	300	
	Calcium	1000	Calcium	1000	
	Iron	50	Iron	100	
	Magnesium	100	Magnesium	500	
	Potassium	1000	Potassium	3000	
	Sodium	1000	Sodium	5000	
	Strontium	---	Strontium	10	
	Titanium	---	Titanium	10	
	SW-846 6020 Metals		**SW-846 6020 Metals**		
	Analyte	**Aqueous PQL (ug/L)**	**Analyte**	**Aqueous PQL (ug/L)**	
	Antimony	1.0	Antimony	6.0	
	Arsenic	1.5	Arsenic	5.0	
	Barium	5.0	Barium	3.0	
	Beryllium	0.2	Beryllium	1.0	
	Cadmium	0.5	Cadmium	1.0	
	Chromium	2.0	Chromium	10	
	Cobalt	1.0	Cobalt	1.0	
	Copper	3.0	Copper	2.0	
	Lead	1.0	Lead	3.0	
	Manganese	2.0	Manganese	3.5	
	Molybdenum	5.0	Molybdenum	2.0	
	Nickel	1.0	Nickel	3.0	
	Selenium	2.0	Selenium	5.0	
	Silver	0.15	Silver	5.0	
	Thallium	1.0	Thallium	1.0	
	Vanadium	5.0	Vanadium	6.0	
	Zinc	10	Zinc	20	
	SW-846 7470		**SW-846 7470**		
	Analyte	**Aqueous PQL (ug/L)**	**Analyte**	**Aqueous PQL (ug/L)**	
	Mercury	0.3	Mercury	0.2	

I. Project Name	FUDS MMRP NWO	**II.** Project Number:	116188
III. Date Of Issue	9/15/2009	**IV.** Linked w/NC No: (if applicable)	N/A
V.	Summary of the Change: (by the person identifying the change)		

Section of DoD QSM or MMRP SI PSAP	DoD QSM or MMRP SI PSAP Requirement	Variance Request	Justification for Variance Request
Shaw's FUDS MMRP SAP Sample Table 5-5 "Perchlorate by Liquid Chromatography/Mass Spectroscopy (based on SW-846 Draft Method 6850"	Perchlorate PQLs are as follows: **SW-846 6850 (ug/kg)** 3.0 **SW-846 6850 (ug/L)** 0.3	Test America-Denver requests the following Perchlorate PQLs: **SW-846 6860 (ug/kg)** 1.0 **SW-846 6860 (ug/L)** 0.05	TA-Denver's PQLs are based on internal laboratory MDL studies. All perchlorate results will be reported at their corresponding MDL value. Perhclorate results reported between their PQL and MDL will be "J" qualified as estimated.
Shaw's FUDS MMRP SAP Table 4-C; Page D-28 (6010B) Table 4-D; page D-33 (6020) ICBs / CCBs Interference Check Solutions	No analytes detected ≥ 2x MDL.	No analytes detected > RL.	Test America-Denver requests that this variance be applied to all analytes as low level detections are typically of much lesser concentration than the detections in associated samples. Corrective action and re-analyses impact turnaround times and may not eliminate low level detections below the RL. Test America-Denver notes that this variance request has been accepted for the Huntsville SI Program, FUDS MMRP Northeast, Southeast Region and Southwest Region.

Section of DoD Perchlorate Handbook	DoD Perchlorate Handbook Requirement	Variance Request	Justification for Variance Request
Appendix G, Page 4 of 11 (or Section 11.2 of Method SW-846 6860); Solid Sample Preparation	The method prescribes a 1g aliquot of solid sample and 10 ml of reagent water, to be mixed by vortexing and sonication for 10 minutes.	Test America proposes a 10g aliquot of solid sample and 100ml of reagent water to be used.	Test America-Denver proposes a proportionate amount of sample and reagent water. The amounts proposed are sufficient for all re-analysis and to prepare QC samples (MS/MSD/Laboratory Duplicates).
Appendix G, Page 9 of 11; Table G-3; Minimum QC Requirements for MS Methods	Interference Check Samples (ICS) to be extracted with every batch of 20 samples. ICS verifies the method performance at the matrix conductivity threshold (MCT). Recovery ±30% of true value.	Test America proposes to analyze an interference check sample as described in method SW6860. Section 9.8.4 of method SW6860 describes a mid-level perchlorate standard in a solution that contains chloride, carbonate, and sulfate. Test America proposes to analyze this sample at 1000 mg/L of chloride, carbonate, and sulfate with each instrument batch (repeated upon initial calibration).	During method development, Test America conducted several studies that demonstrated accurate recovery of perchlorate in solutions that contained 5000 mg/L chloride, carbonate, and sulfate (and greater). Increasing the salt concentration until the system fails and repeating this at frequent intervals may cause instrument failure.

I. Project Name	FUDS MMRP NWO	**II.** Project Number	116188
III. Date Of Issue	9/15/2009	**IV.** Linked w/NC No: (if applicable)	NA

Section of DoD Perchlorate Handbook	DoD Perchlorate Handbook Requirement	Variance Request	Justification for Variance Request
DoD Perchlorate Handbook, Appendix G, Guidance on Selecting Analytical Methods and Services, Page 8 of 13, Table G-3, Minimum QC Requirements for MS Methods	Retention time window shall be established at method setup and after major maintenance, using peak width ±3σ for each analyte's retention time as derived from a 72-hour study.	TA-Denver proposes to eliminate this requirement. Instead, we evaluate the retention time of perchlorate by evaluating its retention time as relative to the ^{18}O-labeled perchlorate internal standard.	This criterion, taken from SW-846, Method 8000B, Section 7.6 describes an approach for establishing retention time windows for chromatographic techniques (e.g., GC, LC). TA-Denver believes that this approach is not applicable to a tandem mass spectrometry method, as retention time is of secondary importance for this technique. In addition, retention time of the perchlorate analyte is more accurately evaluated by inspection of its retention time as relative to the internal standard in each injection, because these peaks shift from injection to injection, depending on the ionic strength of the sample.

Section of DoD QSM or MMRP SI PSAP	DoD QSM or MMRP SI PSAP Requirement	Point of Clarification
DoD QSM Version 3 Section D.1.1.1,d, Grey Box D-5	If the method blank contamination exceeds ½ the RL, then the laboratory shall evaluate whether reprocessing of the samples is necessary based on the above criteria. The concentrations of common laboratory contaminants shall not exceed the RL.	The common laboratory contaminants for Test America-Denver comprise the following metals: Metals (6010 & 6020): Ca, Fe, K, Mg, Na, Si, Zn (6020 only): Sn
MMRP SI PSAP Section 7.1.1 Laboratory Report Requirements Page QAPP-7-1	All soils reported on a dry weight basis	Soil samples from MMRP FUDS firing ranges are required to pass through a No. 10 sieve before sample digestion and analysis. However, soils collected from these sites may exhibit characteristics (i.e., clayey) that prevent effective sieving. To standardize sample preparation for all samples collected at Shaw's MMRP FUDS firing ranges; Test America-Denver will follow homogenization procedures referenced in Shaw's Quality Assurance Summary (QAS) No. 73382 Revision 1. Shaw's QAS No. 73382 Revision 1 involves air drying soil samples for a minimum of 24 hours before the sample is homogenized and passed through a No. 10 sieve. In addition to identifying all soil samples that require sieving on the CoC, Shaw will reference QAS No. 73382 Revision 1. Samples that are process by QAS No. 73382 are not corrected for percent moisture. Test America – Denver's shaw metals soil preparation procedure is provided for USACE review.

I. Project Name	FUDS MMRP NWO	**II.** Project Number:	116188
III. Date Of Issue	9/15/2009	**IV.** Linked w/NC No: (if applicable)	N/A

Section of DoD QSM or MMRP SI PSAP	DoD QSM or MMRP SI PSAP Requirement	Point of Clarification
DoD QSM Version 3 Section 5.10.2.g, Grey Box 75	For DoD work, both date and time of analysis are considered to be essential information, regardless of the length of the holding time, and shall be included as part of the laboratory report.	The laboratory does routinely report date and time of analysis. However, Test America - Denver normally calculates holding time to the same units as expressed in the methods. For example, if the holding time is expressed in hours, then we measure to the hour; and if expressed in days, then we measure to the day. We believe our practice is consistent with the methods and the standard practice of EPA data validators.
Section of DoD Perchlorate Handbook	**DoD Perchlorate Handbook Requirement**	**Point of Clarification**
DoD Perchlorate Handbook, Appendix G, Guidance on Selecting Analytical Methods and Services, Page 7 of 11, Table G-3, Minimum QC Requirements for MS Methods	Text uses the terms "Method Reporting Limit" and "Limit of Quantitation".	TA-Denver understands that these terms are used interchangeably. Further, TA-Denver understands that the Method Reporting Limit (MRL) must be supported by a calibration standard and that the Method Detection Limit (MDL) must be at least three (3x) lower than the MRL. (MRL ≥ 3x MDL).
Appendix G, Page 8 of 11; Table G-3; Minimum QC Requirements for MS Methods	Limit of Detection Verification Standard (LODV) to be analyzed before and after every batch of samples or after every 10 samples. Perchlorate spike concentration is approximately "2x" the LOD. Recovery within 30% of its true value.	The laboratory's PQL is established at 0.05ug/L (aqueous MDL – 0.0088ug/L) and 1.0ug/kg (soil MDL – 0.21ug/kg). The LODV will be analyzed at 0.02ug/L for aqueous matrices and 0.20ug/kg for soil matrices.
Identified by: Tim Roth, Shaw Environmental, Inc.		Date: 9/15/09

Shaw Environmental & Infrastructure, Inc.

I. Project Name	FUDS MMRP NWO	**II.** Project Number:	116188
III. Date Of Issue	9/15/2009	**IV.** Linked w/NC No: (if applicable)	N/A

-- Variance Report For FUDS MMRP NWO --

VI.	Variance Requested: (by the person identifying the variance and the review committee)
	Tim Roth, Shaw Environmental, Inc.
To Be Performed by: Test America-Denver	
To Be verified by: Debra Henderer, Test America-Denver	Date:
VII.	Justification of Variance: (by the review committee)
	See Section V. Justification of Variance
VIII.	Applicable Document/Work Plan: (by the person identifying the change)
	Shaw Environmental, Inc., 2006, Type I Work Plan, Site Inspections at Multiple Sites, NWO Region, Formerly Used Defense Sites, Military Munitions Response Program, February.

Distribution List:	-- Signatures --		
Shaw Project Files Debra Henderer, Test America-Denver Daniel Throckmorton, USACE NWO	Requested by: (printed name and date) Signature:	**Tim Roth**	Date: **09/15/09**
	USACE Approved (printed name and date) Signature:	**Daniel Throckmorton, E NWO**	Date: 10/6/09
	Project Manager: (printed name and date) Signature:	**Peter Kelsall**	Date 10/26/
	QA Approval: (printed name and date) Signature:	**Paul Sadowski**	Date 10/8/09

Variance Chem-009.docx

Appendix H
Geographic Information Systems Data

GIS Coordinates
Pocatello Bombing Range No. 3

NAME	LAYER	GM_TYPE	ELEVATION	Notes	Sample_ID	Photo_ID	X_UTM	Y_UTM	UTM_Zone
001	17-AUG-11 16:12:23	Waypoint	1457.23	Begin walking to background sample locations.			353643.90820	4794395.97080	12N
002	17-AUG-11 16:46:38	Waypoint	1476.70	Background sediment sample location (NWO-178-5002)	NWO-178-5002		351729.87760	4794405.45520	12N
003	17-AUG-11 16:58:00	Waypoint	1479.34	First background soil IS location	NWO-178-5001		351622.54210	4794720.23650	12N
004	17-AUG-11 16:59:20	Waypoint	1481.03	Background soil IS location	NWO-178-5001		351618.85040	4794755.50610	12N
005	17-AUG-11 17:00:43	Waypoint	1482.71	Background soil IS location	NWO-178-5001		351621.83360	4794789.44060	12N
006	17-AUG-11 17:01:29	Waypoint	1483.91	Background soil IS location	NWO-178-5001		351625.37570	4794826.66290	12N
007	17-AUG-11 17:02:11	Waypoint	1481.99	Background soil IS location	NWO-178-5001		351624.56490	4794862.28050	12N
008	17-AUG-11 17:02:59	Waypoint	1483.67	Background soil IS location	NWO-178-5001		351626.08130	4794899.65830	12N
009	17-AUG-11 17:04:03	Waypoint	1481.51	Background soil IS location	NWO-178-5001		351661.74930	4794893.96630	12N
010	17-AUG-11 17:04:46	Waypoint	1480.54	Background soil IS location	NWO-178-5001		351659.77660	4794857.24290	12N
011	17-AUG-11 17:05:28	Waypoint	1481.03	Background soil IS location	NWO-178-5001		351659.40110	4794825.26240	12N
012	17-AUG-11 17:06:10	Waypoint	1481.03	Background soil IS location	NWO-178-5001		351662.69030	4794791.24610	12N
013	17-AUG-11 17:06:51	Waypoint	1480.79	Background soil IS location	NWO-178-5001		351664.05580	4794756.48300	12N
014	17-AUG-11 17:07:39	Waypoint	1480.06	Background soil IS location	NWO-178-5001		351661.83000	4794721.17630	12N
015	17-AUG-11 17:08:40	Waypoint	1479.82	Background soil IS location	NWO-178-5001		351700.77020	4794717.72400	12N
016	17-AUG-11 17:09:41	Waypoint	1480.79	Background soil IS location	NWO-178-5001		351703.85380	4794754.77860	12N
017	17-AUG-11 17:10:33	Waypoint	1480.54	Background soil IS location	NWO-178-5001		351707.31400	4794790.50270	12N
018	17-AUG-11 17:11:21	Waypoint	1481.75	Background soil IS location	NWO-178-5001		351708.73610	4794825.81590	12N
019	17-AUG-11 17:12:08	Waypoint	1481.27	Background soil IS location	NWO-178-5001		351709.83280	4794859.98060	12N
020	17-AUG-11 17:13:07	Waypoint	1482.47	Background soil IS location	NWO-178-5001		351711.31970	4794897.88120	12N
021	17-AUG-11 17:14:06	Waypoint	1481.99	Background soil IS location	NWO-178-5001		351747.15340	4794901.61930	12N
022	17-AUG-11 17:14:54	Waypoint	1480.79	Background soil IS location	NWO-178-5001		351752.14390	4794866.33250	12N
023	17-AUG-11 17:15:39	Waypoint	1481.99	Background soil IS location	NWO-178-5001		351746.57660	4794829.99890	12N
024	17-AUG-11 17:16:20	Waypoint	1482.95	Background soil IS location	NWO-178-5001		351747.56050	4794794.46640	12N
025	17-AUG-11 17:17:16	Waypoint	1480.54	Background soil IS location	NWO-178-5001		351750.41600	4794754.33750	12N
026	17-AUG-11 17:18:03	Waypoint	1479.34	Background soil IS location	NWO-178-5001		351752.42280	4794720.67150	12N
027	17-AUG-11 17:18:57	Waypoint	1479.58	Background soil IS location	NWO-178-5001		351794.15750	4794716.21420	12N
028	17-AUG-11 17:19:56	Waypoint	1479.10	Background soil IS location	NWO-178-5001		351799.22590	4794763.14750	12N
029	17-AUG-11 17:20:37	Waypoint	1480.06	Background soil IS location	NWO-178-5001		351798.47960	4794792.85260	12N
030	17-AUG-11 17:21:27	Waypoint	1479.82	Background soil IS location	NWO-178-5001		351793.64460	4794826.35820	12N
031	17-AUG-11 17:22:21	Waypoint	1480.54	Background soil IS location	NWO-178-5001		351791.43890	4794863.18400	12N
032	17-AUG-11 17:23:47	Waypoint	1479.34	Background soil IS location	NWO-178-5001		351801.25130	4794899.91370	12N
033	17-AUG-11 17:24:48	Waypoint	1478.62	Background soil IS location	NWO-178-5001		351837.80110	4794897.42550	12N
034	17-AUG-11 17:25:42	Waypoint	1479.58	Background soil IS location	NWO-178-5001		351838.49760	4794858.75490	12N
035	17-AUG-11 17:26:29	Waypoint	1476.70	Background soil IS location	NWO-178-5001		351844.62240	4794822.24340	12N
036	17-AUG-11 17:27:30	Waypoint	1477.66	Background soil IS location	NWO-178-5001		351844.33430	4794789.76100	12N
037	17-AUG-11 17:28:34	Waypoint	1476.94	Background soil IS location	NWO-178-5001		351845.50790	4794752.49110	12N
038	17-AUG-11 17:29:23	Waypoint	1478.86	Background soil IS location	NWO-178-5001		351840.40220	4794717.20290	12N
039	17-AUG-11 17:30:06	Waypoint	1479.10	Background soil IS location	NWO-178-5001		351877.40190	4794720.77180	12N
040	17-AUG-11 17:30:53	Waypoint	1478.86	Background soil IS location	NWO-178-5001		351883.00570	4794756.94910	12N
041	17-AUG-11 17:31:39	Waypoint	1478.62	Background soil IS location	NWO-178-5001		351884.74460	4794791.94420	12N
042	17-AUG-11 17:32:26	Waypoint	1478.62	Background soil IS location	NWO-178-5001		351879.95490	4794827.17090	12N
043	17-AUG-11 17:33:15	Waypoint	1478.62	Background soil IS location	NWO-178-5001		351886.10920	4794865.51400	12N
044	17-AUG-11 17:33:59	Waypoint	1477.66	Background soil IS location	NWO-178-5001		351883.51520	4794900.55940	12N
045	17-AUG-11 17:35:14	Waypoint	1479.10	Background soil IS location	NWO-178-5001		351925.53760	4794895.20760	12N
046	17-AUG-11 17:36:02	Waypoint	1478.62	Background soil IS location	NWO-178-5001		351916.61120	4794867.04730	12N
047	17-AUG-11 17:36:39	Waypoint	1479.10	Background soil IS location	NWO-178-5001		351913.77450	4794836.40940	12N
048	17-AUG-11 17:37:15	Waypoint	1476.94	Background soil IS location	NWO-178-5001		351914.02970	4794808.34850	12N
049	17-AUG-11 17:38:02	Waypoint	1477.18	Background soil IS location	NWO-178-5001		351915.48980	4794779.33890	12N
050	17-AUG-11 17:38:53	Waypoint	1479.82	Background soil IS location	NWO-178-5001		351913.65530	4794754.44590	12N
051	17-AUG-11 17:39:36	Waypoint	1479.82	Background soil IS location	NWO-178-5001		351918.74370	4794731.02370	12N

GIS Coordinates (Cont.)
Pocatello Bombing Range No. 3

NAME	LAYER	GM_TYPE	ELEVATION	Notes	Sample_ID	Photo_ID	X_UTM	Y_UTM	UTM_Zone
052	17-AUG-11 17:40:19	Waypoint	1479.82	Last background soil IS location. Photo 1: NW.	NWO-178-5001	1	351923.17130	4794703.72710	12N
053	18-AUG-11 9:15:46	Waypoint	1472.60	Approximate target center. Craters up to 20'x20' in diameter and 4' deep. MD from M38A2 practice bombs, AN-M50 or AN-M54 incendiary bomb (tail fin assembly) and HE frag. Photo 2: E, crater.		2	353066.95160	4796804.89290	12N
054	18-AUG-11 9:21:09	Waypoint	1472.90	Photo 3: HE frag in basalt beside crater. Photo 4: MD, M38A2 100-lb practice bomb in crater.		3, 4	353081.08550	4796811.60840	12N
055	18-AUG-11 9:24:12	Waypoint	1472.60	Photo 5: MD, end piece from an AN-M54 incendiary bomb. Photo 6: MD, from 100-lb practice bomb and M1A1 or M3 spotting charge cap.		5, 6	353069.91460	4796823.28400	12N
056	18-AUG-11 9:27:59	Waypoint	1474.80	Photo 7: MD, nose weight, AN-M50 or AN-M54 incendiary bomb. Photo 8: MD, strongback, incendiary cluster bomb. Approx 20 pieces of MD within 10 ft radius in this area.		7, 8	353081.77790	4796837.53760	12N
057	18-AUG-11 9:36:34	Waypoint	1474.50	Photo 9: W, crater from high explosive detonation. Photo 10: MD, tail fins, AN-M50 or AN-M54 incendiary bomb.		9, 10	353044.23310	4796847.15220	12N
058	18-AUG-11 9:41:02	Waypoint	1474.30	Photo 13: MD, canister, M1A1 or M3 spotting charge. 7 pieces of MD within 10' radius.		13	353022.48520	4796811.88010	12N
059	18-AUG-11 9:43:42	Waypoint	1475.30	Photo 11: MD, banding strap, incendiary cluster bomb.		11	353019.05120	4796805.81020	12N
060	18-AUG-11 9:50:34	Waypoint	1474.10	Photo 12: MD, frag from HE bomb.		12	353011.73830	4796799.72460	12N
061	18-AUG-11 9:54:42	Waypoint	1472.40	5 pieces of MD visible within 10 ft radius including HE fuze well.			353122.31700	4796772.19220	12N
062	18-AUG-11 9:59:54	Waypoint	1475.30	Photo 14: MD, initiator, AN-M50 or AN-M54 incendiary bomb. 14 pieces of MD within 10ft radius.		14	353141.35380	4796860.93390	12N
063	18-AUG-11 10:04:39	Waypoint	1474.80	Approximately 30 pieces of MD within 10ft radius. Photo 15: MD, 100-series tail fuze. Photos 16 and 17: MD, end piece from AN-M50 or AN-M54 incendiary bomb.		15-17	353088.14250	4796897.53220	12N
064	18-AUG-11 10:13:32	Waypoint	1474.50	Photo 18: W, "Guzzler" wildilfe watering system put in place by BLM.		18	352983.30580	4796900.18530	12N
065	18-AUG-11 10:17:06	Waypoint	1475.70	Photo 19: MD, large piece of frag, likely from AN-M30 100-lb GP HE bomb.		19	352996.31930	4796873.98080	12N
066	18-AUG-11 10:21:26	Waypoint	1475.30	Begin MD count.			352956.96430	4796830.85790	12N
067	18-AUG-11 10:23:18	Waypoint	1476.50	20 MD since WP 066.			352957.07690	4796768.41160	12N
068	18-AUG-11 10:25:43	Waypoint	1476.00	Photo 20: MD, fuze arming vane. 20 MD since WP 067.		20	352984.32940	4796711.13150	12N
069	18-AUG-11 10:28:17	Waypoint	1473.80	20 MD since WP 068.			353040.91860	4796664.88150	12N
070	18-AUG-11 10:30:04	Waypoint	1472.60	20 MD since WP 069. Starting to see more large pieces of frag.			353093.96150	4796658.59730	12N
071	18-AUG-11 10:32:28	Waypoint	1472.40	20 MD since WP 070. 2 pieces of wood debris.			353169.30300	4796693.16300	12N
072	18-AUG-11 10:35:50	Waypoint	1475.30	Photo 21: N, basalt feature-large natural crater in basalt flow.		21	353230.76320	4796751.05220	12N
073	18-AUG-11 10:38:32	Waypoint	1478.60	20 MD since WP 071. Photo 22: E, fractured basalt in lava flow. Photo 23: N, basalt flow area, extremely rugged terrain through basalt features (cliffs and large natural craters).		22, 23	353244.60920	4796777.80740	12N
074	18-AUG-11 10:49:07	Waypoint	1477.90	20 MD since WP 073.			353247.14280	4796806.72990	12N
075	18-AUG-11 10:52:18	Waypoint	1480.10	20 MD since WP 074.			353258.11400	4796843.85840	12N
076	18-AUG-11 10:54:47	Waypoint	1480.50	20 MD since WP 075.			353240.04960	4796890.13830	12N
077	18-AUG-11 10:58:18	Waypoint	1476.00	20 MD since WP 076. Area with high concentration of MD. 20 pieces within 10ft radius. Photo 24: SE.		24	353199.89070	4796924.00840	12N
078	18-AUG-11 11:07:09	Waypoint	1474.80	Photo 25: NW, tub-cultural debris.		25	353082.67050	4797011.06090	12N
079	18-AUG-11 11:12:01	Waypoint	1475.50	Photo 26: SW, stone structure made of basalt cobble and small boulders. Wood Road Lake in foreground. Photo 27: SE, Wood Road Lake.		26, 27	352917.93240	4796977.45980	12N

GIS Coordinates (Cont.)
Pocatello Bombing Range No. 3

NAME	LAYER	GM_TYPE	ELEVATION	Notes	Sample_ID	Photo_ID	X_UTM	Y_UTM	UTM_Zone
080	18-AUG-11 11:19:28	Waypoint	1475.00	Photo 28: S, stone structure made of basalt cobble and small boulders. Appears to be associated with Wood Road Lake. Photo 29: piece of glass marked with number "297."		28, 29	352864.01920	4796975.30890	12N
081	18-AUG-11 11:26:35	Waypoint	1476.00	20 MD since WP 078. Strongback for incendiary cluster and MD from incendiary tail fins in area. Photo 30: MD, link, .50-caliber small arms ammunition.		30	352790.36280	4796948.41000	12N
082	18-AUG-11 11:33:08	Waypoint	1475.50	Photo 31: MD, .50-caliber cartridge case, near crater.		31	352714.62470	4796846.34660	12N
083	18-AUG-11 11:36:29	Waypoint	1476.00	Photo 32: MD, strongback from incendiary cluster bomb.		32	352676.25660	4796790.12610	12N
084	18-AUG-11 11:58:43	Waypoint	1476.70	Photo 33: N, basalt flow (approx 20 ft high).		33	352102.53340	4796895.78720	12N
085	18-AUG-11 12:09:27	Waypoint	1478.10	Photo 34: SW, basalt cliffs on western side of "impact area."		34	352047.29450	4796782.51650	12N
086	18-AUG-11 12:29:00	Waypoint	1478.40	Photos 35-37: MEC, cluster of AN-M54 incendiary bombs with strongback and banding from cluster adapter. Also 20 MD count.		35-37	352325.25570	4796492.37300	12N
087	18-AUG-11 12:43:37	Waypoint	1474.30	Photo 38: MD, .50-caliber projectile. 20 MD since WP 086 (11 links and 3 cartridge casings (.50-caliber) in eastern portion of "impact area" up to this point).		38	352892.13270	4796618.60120	12N
088	18-AUG-11 14:25:06	Waypoint	1477.20	Photos 39, 40: MEC, AN-M54 incendiary bomb.		39, 40	352908.83140	4796753.08170	12N
089	18-AUG-11 14:55:15	Waypoint	1478.90	First soil IS location in sampling unit #1	NWO-178-0001		352860.94720	4796734.59990	12N
090	18-AUG-11 14:57:36	Waypoint	1477.90	Soil IS location in sampling unit #1	NWO-178-0001		352858.09990	4796770.10590	12N
091	18-AUG-11 14:59:06	Waypoint	1476.90	Soil IS location in sampling unit #1	NWO-178-0001		352856.13090	4796803.83730	12N
092	18-AUG-11 15:00:00	Waypoint	1476.90	Soil IS location in sampling unit #1	NWO-178-0001		352869.73060	4796833.75260	12N
093	18-AUG-11 15:00:49	Waypoint	1476.70	Soil IS location in sampling unit #1	NWO-178-0001		352865.65910	4796865.94080	12N
094	18-AUG-11 15:01:59	Waypoint	1476.50	Soil IS location in sampling unit #1	NWO-178-0001		352865.90190	4796897.65750	12N
095	18-AUG-11 15:02:47	Waypoint	1476.20	Soil IS location in sampling unit #1	NWO-178-0001		352833.36610	4796899.16450	12N
096	18-AUG-11 15:03:40	Waypoint	1475.70	Soil IS location in sampling unit #1	NWO-178-0001		352830.66340	4796867.76800	12N
097	18-AUG-11 15:07:27	Waypoint	1478.90	Soil IS location in sampling unit #1	NWO-178-0001		352826.74470	4796837.16450	12N
098	18-AUG-11 15:08:26	Waypoint	1477.40	Soil IS location in sampling unit #1	NWO-178-0001		352823.89550	4796803.88230	12N
099	18-AUG-11 15:09:21	Waypoint	1476.20	Soil IS location in sampling unit #1	NWO-178-0001		352823.05040	4796772.08980	12N
100	18-AUG-11 15:10:11	Waypoint	1476.00	Soil IS location in sampling unit #1	NWO-178-0001		352823.44220	4796738.97040	12N
101	18-AUG-11 15:11:04	Waypoint	1477.20	Soil IS location in sampling unit #1	NWO-178-0001		352798.10230	4796740.83230	12N
102	18-AUG-11 15:11:55	Waypoint	1478.60	Soil IS location in sampling unit #1	NWO-178-0001		352797.79190	4796770.22770	12N
103	18-AUG-11 15:12:43	Waypoint	1477.20	Soil IS location in sampling unit #1	NWO-178-0001		352799.34140	4796803.43820	12N
104	18-AUG-11 15:13:29	Waypoint	1476.90	Soil IS location in sampling unit #1	NWO-178-0001		352796.03850	4796834.76530	12N
105	18-AUG-11 15:14:19	Waypoint	1478.10	Soil IS location in sampling unit #1	NWO-178-0001		352794.32290	4796865.58010	12N
106	18-AUG-11 15:15:37	Waypoint	1477.90	Soil IS location in sampling unit #1	NWO-178-0001		352792.97420	4796899.08690	12N
107	18-AUG-11 15:16:31	Waypoint	1476.90	Soil IS location in sampling unit #1	NWO-178-0001		352756.96760	4796903.29200	12N
108	18-AUG-11 15:17:18	Waypoint	1478.10	Soil IS location in sampling unit #1	NWO-178-0001		352753.47800	4796872.29030	12N
109	18-AUG-11 15:18:04	Waypoint	1476.90	Soil IS location in sampling unit #1	NWO-178-0001		352755.65690	4796840.77650	12N
110	18-AUG-11 15:19:06	Waypoint	1476.70	Soil IS location in sampling unit #1	NWO-178-0001		352756.01630	4796809.91340	12N
111	18-AUG-11 15:20:06	Waypoint	1477.70	Soil IS location in sampling unit #1	NWO-178-0001		352760.41990	4796774.36240	12N
112	18-AUG-11 15:21:05	Waypoint	1476.70	Soil IS location in sampling unit #1	NWO-178-0001		352760.67860	4796737.74590	12N
113	18-AUG-11 15:22:15	Waypoint	1476.00	Soil IS location in sampling unit #1	NWO-178-0001		352724.37200	4796736.77990	12N
114	18-AUG-11 15:23:06	Waypoint	1478.60	Soil IS location in sampling unit #1	NWO-178-0001		352728.42450	4796767.91370	12N
115	18-AUG-11 15:23:58	Waypoint	1478.40	Soil IS location in sampling unit #1	NWO-178-0001		352729.02960	4796798.72250	12N
116	18-AUG-11 15:24:59	Waypoint	1476.90	Soil IS location in sampling unit #1	NWO-178-0001		352728.59580	4796835.10950	12N
117	18-AUG-11 15:25:57	Waypoint	1477.90	Soil IS location in sampling unit #1	NWO-178-0001		352729.61410	4796871.48700	12N
118	18-AUG-11 15:26:59	Waypoint	1477.40	Soil IS location in sampling unit #1	NWO-178-0001		352728.52230	4796904.11050	12N
119	18-AUG-11 15:27:55	Waypoint	1476.70	Soil IS location in sampling unit #1	NWO-178-0001		352692.80380	4796904.39860	12N
120	18-AUG-11 15:28:51	Waypoint	1477.70	Soil IS location in sampling unit #1	NWO-178-0001		352687.81650	4796870.20730	12N
121	18-AUG-11 15:29:39	Waypoint	1477.70	Soil IS location in sampling unit #1	NWO-178-0001		352689.05810	4796840.38050	12N
122	18-AUG-11 15:30:34	Waypoint	1477.70	Soil IS location in sampling unit #1	NWO-178-0001		352689.96040	4796806.13890	12N

GIS Coordinates (Cont.)
Pocatello Bombing Range No. 3

NAME	LAYER	GM_TYPE	ELEVATION	Notes	Sample_ID	Photo_ID	X_UTM	Y_UTM	UTM_Zone
123	18-AUG-11 15:31:21	Waypoint	1477.20	Soil IS location in sampling unit #1	NWO-178-0001		352689.79160	4796773.76510	12N
124	18-AUG-11 15:35:35	Waypoint	1476.70	Soil IS location in sampling unit #1	NWO-178-0001		352686.82800	4796731.89650	12N
125	18-AUG-11 15:36:54	Waypoint	1477.70	Soil IS location in sampling unit #1	NWO-178-0001		352654.33940	4796734.49220	12N
126	18-AUG-11 15:37:53	Waypoint	1478.90	Soil IS location in sampling unit #1	NWO-178-0001		352654.04060	4796766.25400	12N
127	18-AUG-11 15:38:42	Waypoint	1479.60	Soil IS location in sampling unit #1	NWO-178-0001		352653.39020	4796797.89020	12N
128	18-AUG-11 15:39:32	Waypoint	1479.30	Soil IS location in sampling unit #1	NWO-178-0001		352655.30850	4796830.49270	12N
129	18-AUG-11 15:40:55	Waypoint	1479.10	Soil IS location in sampling unit #1	NWO-178-0001		352652.20260	4796866.73780	12N
130	18-AUG-11 15:41:39	Waypoint	1478.90	Soil IS location in sampling unit #1	NWO-178-0001		352652.28380	4796898.43580	12N
131	18-AUG-11 15:42:41	Waypoint	1479.80	Soil IS location in sampling unit #1	NWO-178-0001		352614.74680	4796903.53040	12N
132	18-AUG-11 15:43:49	Waypoint	1479.10	Soil IS location in sampling unit #1. Photo 41: MD, M38A2 100-lb practice bomb, mostly intact.	NWO-178-0001	41	352613.23650	4796867.31910	12N
133	18-AUG-11 15:47:32	Waypoint	1479.10	Soil IS location in sampling unit #1	NWO-178-0001		352611.58850	4796832.23300	12N
134	18-AUG-11 15:48:35	Waypoint	1479.10	Soil IS location in sampling unit #1	NWO-178-0001		352610.91490	4796795.69230	12N
135	18-AUG-11 15:49:24	Waypoint	1478.60	Soil IS location in sampling unit #1	NWO-178-0001		352608.25500	4796765.93930	12N
136	18-AUG-11 15:50:10	Waypoint	1477.40	Soil IS location in sampling unit #1	NWO-178-0001		352608.96890	4796733.12400	12N
137	18-AUG-11 15:50:57	Waypoint	1479.60	Soil IS location in sampling unit #1	NWO-178-0001		352580.14960	4796737.29580	12N
138	18-AUG-11 15:51:50	Waypoint	1477.40	Last soil IS location in sampling unit #1	NWO-178-0001		352581.84970	4796771.78070	12N
139	18-AUG-11 15:55:44	Waypoint	1478.90	First duplicate soil IS location in sampling unit #1	NWO-178-0009		352579.20790	4796800.26030	12N
140	18-AUG-11 15:57:00	Waypoint	1479.30	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352577.75950	4796831.38050	12N
141	18-AUG-11 15:59:35	Waypoint	1480.80	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352579.64440	4796860.93920	12N
142	18-AUG-11 16:01:09	Waypoint	1479.80	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352581.14060	4796899.85090	12N
143	18-AUG-11 16:01:46	Waypoint	1479.80	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352596.94850	4796894.36230	12N
144	18-AUG-11 16:02:35	Waypoint	1479.80	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352594.42460	4796862.28410	12N
145	18-AUG-11 16:03:16	Waypoint	1479.80	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352593.60770	4796831.09100	12N
146	18-AUG-11 16:04:03	Waypoint	1477.90	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352594.26310	4796797.08810	12N
147	18-AUG-11 16:04:47	Waypoint	1477.70	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352595.24920	4796766.72240	12N
148	18-AUG-11 16:05:25	Waypoint	1477.90	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352594.95570	4796737.20680	12N
149	18-AUG-11 16:07:01	Waypoint	1477.20	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352625.52520	4796763.87460	12N
150	18-AUG-11 16:07:46	Waypoint	1479.10	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352629.27620	4796796.04830	12N
151	18-AUG-11 16:08:50	Waypoint	1479.80	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352632.97920	4796829.00080	12N
152	18-AUG-11 16:09:46	Waypoint	1479.30	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352634.02860	4796865.28880	12N
153	18-AUG-11 16:10:29	Waypoint	1478.60	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352634.21350	4796897.27340	12N
154	18-AUG-11 16:12:40	Waypoint	1479.60	Duplicate soil IS location in sampling unit #1. Photo 42: MD, tail fuze, likely M100-series.	NWO-178-0009	42	352666.21150	4796892.67720	12N
155	18-AUG-11 16:14:22	Waypoint	1479.30	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352670.24190	4796866.10080	12N
156	18-AUG-11 16:15:20	Waypoint	1477.40	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352668.89780	4796832.66360	12N
157	18-AUG-11 16:16:11	Waypoint	1478.90	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352667.82990	4796797.75380	12N
158	18-AUG-11 16:17:06	Waypoint	1479.60	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352670.43470	4796762.70850	12N
159	18-AUG-11 16:18:09	Waypoint	1479.30	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352670.46540	4796730.55250	12N
160	18-AUG-11 16:19:17	Waypoint	1480.50	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352705.48060	4796729.59080	12N
161	18-AUG-11 16:20:04	Waypoint	1478.90	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352705.21770	4796764.50740	12N
162	18-AUG-11 16:20:57	Waypoint	1479.80	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352702.60740	4796793.34170	12N
163	18-AUG-11 16:21:56	Waypoint	1481.00	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352706.43870	4796834.44690	12N
164	18-AUG-11 16:23:16	Waypoint	1481.50	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352710.77350	4796868.48570	12N
165	18-AUG-11 16:24:21	Waypoint	1480.50	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352710.59710	4796903.64490	12N
166	18-AUG-11 16:25:36	Waypoint	1481.70	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352745.66210	4796895.31560	12N
167	18-AUG-11 16:26:57	Waypoint	1480.10	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352738.93270	4796866.81780	12N
168	18-AUG-11 16:27:52	Waypoint	1479.60	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352740.51770	4796830.38360	12N
169	18-AUG-11 16:30:15	Waypoint	1478.90	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352741.45520	4796800.36340	12N
170	18-AUG-11 16:31:14	Waypoint	1479.10	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352741.92640	4796767.93120	12N
171	18-AUG-11 16:32:07	Waypoint	1479.30	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352745.12550	4796735.93970	12N

GIS Coordinates (Cont.)
Pocatello Bombing Range No. 3

NAME	LAYER	GM_TYPE	ELEVATION	Notes	Sample_ID	Photo_ID	X_UTM	Y_UTM	UTM_Zone
172	18-AUG-11 16:33:08	Waypoint	1480.30	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352779.98170	4796734.01520	12N
173	18-AUG-11 16:34:05	Waypoint	1480.50	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352781.97290	4796767.38270	12N
174	18-AUG-11 16:35:39	Waypoint	1481.50	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352781.32940	4796801.60750	12N
175	18-AUG-11 16:36:28	Waypoint	1479.60	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352779.05450	4796833.93450	12N
176	18-AUG-11 16:37:27	Waypoint	1480.80	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352779.74190	4796867.41930	12N
177	18-AUG-11 16:38:19	Waypoint	1479.60	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352777.77350	4796900.03960	12N
178	18-AUG-11 16:39:27	Waypoint	1480.80	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352812.25650	4796897.77890	12N
179	18-AUG-11 16:40:34	Waypoint	1481.50	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352807.96230	4796871.18360	12N
180	18-AUG-11 16:41:49	Waypoint	1481.00	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352807.27370	4796834.27660	12N
181	18-AUG-11 16:42:37	Waypoint	1480.10	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352810.24390	4796804.06790	12N
182	18-AUG-11 16:43:34	Waypoint	1481.50	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352811.89940	4796773.84320	12N
183	18-AUG-11 16:44:29	Waypoint	1481.00	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352812.99320	4796736.80870	12N
184	18-AUG-11 16:45:39	Waypoint	1481.00	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352841.98420	4796735.31200	12N
185	18-AUG-11 16:46:32	Waypoint	1481.00	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352839.61440	4796765.52990	12N
186	18-AUG-11 16:47:33	Waypoint	1480.10	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352835.66390	4796804.40430	12N
187	18-AUG-11 16:48:34	Waypoint	1481.70	Duplicate soil IS location in sampling unit #1	NWO-178-0009		352836.32930	4796836.88950	12N
188	18-AUG-11 16:49:28	Waypoint	1478.90	Last duplicate soil IS location in sampling unit #1	NWO-178-0009		352844.57130	4796863.69910	12N
189	18-AUG-11 17:09:11	Waypoint	1482.20	Photo 43: MEC, AN-M54 incendiary bomb.		43	352498.41270	4796592.89880	12N
190	18-AUG-11 17:16:27	Waypoint	1483.20	First soil IS location in ad hoc sampling unit near incendiary MEC find in impact area.	NWO-178-0006		352340.80390	4796477.54520	12N
191	18-AUG-11 17:18:32	Waypoint	1484.40	Soil IS location in ad hoc sampling unit	NWO-178-0006		352343.64730	4796486.26090	12N
192	18-AUG-11 17:18:56	Waypoint	1483.70	Soil IS location in ad hoc sampling unit	NWO-178-0006		352342.35190	4796495.32240	12N
193	18-AUG-11 17:19:25	Waypoint	1483.20	Soil IS location in ad hoc sampling unit	NWO-178-0006		352341.63130	4796504.32700	12N
194	18-AUG-11 17:20:09	Waypoint	1483.40	Soil IS location in ad hoc sampling unit	NWO-178-0006		352343.33510	4796512.13420	12N
195	18-AUG-11 17:20:39	Waypoint	1482.70	Soil IS location in ad hoc sampling unit	NWO-178-0006		352333.86030	4796512.62970	12N
196	18-AUG-11 17:21:06	Waypoint	1482.90	Soil IS location in ad hoc sampling unit	NWO-178-0006		352333.59240	4796502.20230	12N
197	18-AUG-11 17:21:26	Waypoint	1482.00	Soil IS location in ad hoc sampling unit	NWO-178-0006		352332.85810	4796493.82940	12N
198	18-AUG-11 17:21:48	Waypoint	1483.40	Soil IS location in ad hoc sampling unit	NWO-178-0006		352332.61600	4796482.35700	12N
199	18-AUG-11 17:22:08	Waypoint	1483.20	Soil IS location in ad hoc sampling unit	NWO-178-0006		352332.89560	4796474.33980	12N
200	18-AUG-11 17:22:38	Waypoint	1482.20	Soil IS location in ad hoc sampling unit	NWO-178-0006		352323.31950	4796475.02640	12N
201	18-AUG-11 17:22:56	Waypoint	1483.40	Soil IS location in ad hoc sampling unit	NWO-178-0006		352324.39760	4796482.79170	12N
202	18-AUG-11 17:24:08	Waypoint	1482.50	Soil IS location in ad hoc sampling unit	NWO-178-0006		352324.66420	4796490.55260	12N
203	18-AUG-11 17:24:19	Waypoint	1482.70	Soil IS location in ad hoc sampling unit	NWO-178-0006		352326.57250	4796498.43310	12N
204	18-AUG-11 17:24:42	Waypoint	1482.70	Soil IS location in ad hoc sampling unit	NWO-178-0006		352325.30700	4796510.72730	12N
205	18-AUG-11 17:25:18	Waypoint	1482.00	Soil IS location in ad hoc sampling unit	NWO-178-0006		352318.08120	4796511.28490	12N
206	18-AUG-11 17:25:53	Waypoint	1482.70	Soil IS location in ad hoc sampling unit	NWO-178-0006		352315.65150	4796503.30460	12N
207	18-AUG-11 17:26:29	Waypoint	1483.20	Soil IS location in ad hoc sampling unit	NWO-178-0006		352316.33490	4796494.45640	12N
208	18-AUG-11 17:27:09	Waypoint	1482.90	Soil IS location in ad hoc sampling unit	NWO-178-0006		352314.42980	4796483.37580	12N
209	18-AUG-11 17:27:44	Waypoint	1483.20	Soil IS location in ad hoc sampling unit	NWO-178-0006		352312.40080	4796474.79780	12N
210	18-AUG-11 17:28:21	Waypoint	1483.20	Soil IS location in ad hoc sampling unit	NWO-178-0006		352304.49000	4796477.05920	12N
211	18-AUG-11 17:29:21	Waypoint	1483.70	Soil IS location in ad hoc sampling unit	NWO-178-0006		352306.06120	4796485.48050	12N
212	18-AUG-11 17:30:05	Waypoint	1482.90	Soil IS location in ad hoc sampling unit	NWO-178-0006		352308.65200	4796493.40170	12N
213	18-AUG-11 17:30:51	Waypoint	1483.40	Soil IS location in ad hoc sampling unit	NWO-178-0006		352307.47510	4796501.57180	12N
214	18-AUG-11 17:31:09	Waypoint	1482.90	Soil IS location in ad hoc sampling unit	NWO-178-0006		352306.45760	4796509.98280	12N
215	18-AUG-11 17:32:29	Waypoint	1482.50	Soil IS location in ad hoc sampling unit	NWO-178-0006		352321.70040	4796505.33930	12N
216	18-AUG-11 17:33:06	Waypoint	1483.40	Soil IS location in ad hoc sampling unit	NWO-178-0006		352320.18130	4796496.32810	12N
217	18-AUG-11 17:33:38	Waypoint	1482.90	Soil IS location in ad hoc sampling unit	NWO-178-0006		352320.16100	4796487.58410	12N
218	18-AUG-11 17:34:12	Waypoint	1482.00	Soil IS location in ad hoc sampling unit	NWO-178-0006		352330.59680	4796488.36770	12N
219	18-AUG-11 17:35:39	Waypoint	1481.50	Last soil IS location in ad hoc sampling unit	NWO-178-0006		352329.77730	4796497.67440	12N

GIS Coordinates (Cont.)
Pocatello Bombing Range No. 3

NAME	LAYER	GM_TYPE	ELEVATION	Notes	Sample_ID	Photo_ID	X_UTM	Y_UTM	UTM_Zone
220	18-AUG-11 18:03:24	Waypoint	1474.30	Photo 44: Tail fins from AN-M50 or AN-M54 incendiary bomb sticking out of the ground. Unable to tell if the incendiary portion of device is still intact		44	353178.51040	4796479.74350	12N
221	19-AUG-11 8:30:55	Waypoint	1478.10	First triplicate soil IS location in sampling unit #1	NWO-178-0010		352875.91560	4796725.55260	12N
222	19-AUG-11 8:35:25	Waypoint	1477.20	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352868.96850	4796757.96990	12N
223	19-AUG-11 8:36:44	Waypoint	1476.90	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352867.57900	4796791.48860	12N
224	19-AUG-11 8:37:32	Waypoint	1476.20	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352874.24370	4796823.75470	12N
225	19-AUG-11 8:38:29	Waypoint	1476.90	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352872.97470	4796857.95970	12N
226	19-AUG-11 8:39:19	Waypoint	1476.70	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352871.92140	4796891.63790	12N
227	19-AUG-11 8:40:46	Waypoint	1475.30	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352854.89890	4796864.76350	12N
228	19-AUG-11 8:41:34	Waypoint	1475.50	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352851.74990	4796838.21000	12N
229	19-AUG-11 8:42:29	Waypoint	1475.50	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352845.76730	4796808.96240	12N
230	19-AUG-11 8:43:33	Waypoint	1476.70	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352847.53690	4796771.65760	12N
231	19-AUG-11 8:44:40	Waypoint	1477.40	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352848.65070	4796732.17820	12N
232	19-AUG-11 8:45:23	Waypoint	1476.50	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352828.79760	4796735.62070	12N
233	19-AUG-11 8:46:04	Waypoint	1476.90	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352828.72130	4796767.57770	12N
234	19-AUG-11 8:47:06	Waypoint	1476.20	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352827.11470	4796798.93460	12N
235	19-AUG-11 8:47:59	Waypoint	1476.20	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352816.01470	4796834.76440	12N
236	19-AUG-11 8:48:49	Waypoint	1476.70	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352816.19280	4796866.84910	12N
237	19-AUG-11 8:49:38	Waypoint	1476.50	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352816.30810	4796899.40190	12N
238	19-AUG-11 8:50:39	Waypoint	1476.70	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352785.96600	4796897.31710	12N
239	19-AUG-11 8:51:59	Waypoint	1476.70	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352789.05120	4796879.11680	12N
240	19-AUG-11 8:52:45	Waypoint	1476.20	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352784.66410	4796841.53470	12N
241	19-AUG-11 8:53:34	Waypoint	1475.50	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352788.39090	4796804.33180	12N
242	19-AUG-11 8:54:22	Waypoint	1476.00	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352787.54720	4796771.11710	12N
243	19-AUG-11 8:55:07	Waypoint	1476.50	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352785.69520	4796741.91310	12N
244	19-AUG-11 8:55:43	Waypoint	1477.20	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352767.68580	4796736.10470	12N
245	19-AUG-11 8:56:24	Waypoint	1475.30	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352772.04070	4796768.84310	12N
246	19-AUG-11 8:57:21	Waypoint	1474.10	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352770.00460	4796803.94260	12N
247	19-AUG-11 8:58:08	Waypoint	1474.80	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352767.57690	4796839.69510	12N
248	19-AUG-11 9:00:59	Waypoint	1474.50	Photo 45: MEC, AN-M54 incendiary bomb, single.		45	352764.58000	4796845.90470	12N
249	19-AUG-11 9:02:40	Waypoint	1475.00	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352768.92370	4796873.27670	12N
250	19-AUG-11 9:03:33	Waypoint	1474.80	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352765.46780	4796897.92940	12N
251	19-AUG-11 9:04:34	Waypoint	1474.80	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352722.69050	4796899.34850	12N
252	19-AUG-11 9:05:27	Waypoint	1474.80	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352719.49120	4796869.01830	12N
253	19-AUG-11 9:06:20	Waypoint	1474.50	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352721.32080	4796846.44540	12N
254	19-AUG-11 9:07:20	Waypoint	1474.50	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352714.72210	4796802.70040	12N
255	19-AUG-11 9:08:08	Waypoint	1475.50	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352713.59430	4796768.38070	12N
256	19-AUG-11 9:08:59	Waypoint	1474.50	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352713.57550	4796737.67020	12N
257	19-AUG-11 9:10:00	Waypoint	1473.30	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352678.45040	4796731.71210	12N
258	19-AUG-11 9:10:53	Waypoint	1474.30	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352678.40080	4796767.84630	12N
259	19-AUG-11 9:11:43	Waypoint	1474.10	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352679.77760	4796799.80500	12N
260	19-AUG-11 9:12:57	Waypoint	1473.60	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352676.23540	4796829.05960	12N
261	19-AUG-11 9:13:37	Waypoint	1474.80	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352678.87040	4796866.63530	12N
262	19-AUG-11 9:14:28	Waypoint	1474.30	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352677.88850	4796898.70090	12N
263	19-AUG-11 9:15:20	Waypoint	1474.30	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352645.80840	4796899.89890	12N
264	19-AUG-11 9:16:21	Waypoint	1475.00	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352641.88380	4796864.96230	12N
265	19-AUG-11 9:17:15	Waypoint	1474.30	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352642.81990	4796832.66440	12N
266	19-AUG-11 9:18:11	Waypoint	1476.00	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352642.32900	4796796.30870	12N
267	19-AUG-11 9:18:57	Waypoint	1475.50	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352642.17570	4796765.40110	12N
268	19-AUG-11 9:19:52	Waypoint	1473.60	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352637.95040	4796730.81550	12N

GIS Coordinates (Cont.)
Pocatello Bombing Range No. 3

NAME	LAYER	GM_TYPE	ELEVATION	Notes	Sample_ID	Photo_ID	X_UTM	Y_UTM	UTM_Zone
269	19-AUG-11 9:20:30	Waypoint	1474.30	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352616.99170	4796733.78270	12N
270	19-AUG-11 9:21:14	Waypoint	1474.50	Triplicate soil IS location in sampling unit #1	NWO-178-0010		352620.09380	4796761.49280	12N
271	19-AUG-11 9:21:58	Waypoint	1473.80	Last triplicate soil IS location in sampling unit #1	NWO-178-0010		352618.87830	4796791.76350	12N
272	19-AUG-11 9:42:28	Waypoint	1473.10	Photo 46: MEC, AN-M54 incendiary bomb		46	353068.98540	4796532.88500	12N
273	19-AUG-11 9:45:51	Waypoint	1470.70	First soil IS location in sampling unit #5	NWO-178-0005		353154.36480	4796487.33360	12N
274	19-AUG-11 9:59:21	Waypoint	1473.10	Soil IS location in sampling unit #5. Photo 47: possible MEC, tail fins from AN-M50 or AN-M54 incendiary bomb sticking out of the ground.	NWO-178-0005	47	353168.05130	4796518.66990	12N
275	19-AUG-11 10:02:43	Waypoint	1474.50	Soil IS location in sampling unit #5	NWO-178-0005		353169.56960	4796550.52550	12N
276	19-AUG-11 10:03:34	Waypoint	1474.50	Soil IS location in sampling unit #5	NWO-178-0005		353165.03780	4796576.53450	12N
277	19-AUG-11 10:04:30	Waypoint	1475.00	Soil IS location in sampling unit #5. Possible MEC, tail fins from AN-M50 or AN-M54 incendiary bomb sticking out of the ground.	NWO-178-0005		353163.57070	4796606.16600	12N
278	19-AUG-11 10:06:44	Waypoint	1473.30	Soil IS location in sampling unit #5	NWO-178-0005		353163.10620	4796635.26470	12N
279	19-AUG-11 10:07:55	Waypoint	1472.60	Soil IS location in sampling unit #5	NWO-178-0005		353185.53790	4796651.56700	12N
280	19-AUG-11 10:08:43	Waypoint	1473.10	Soil IS location in sampling unit #5	NWO-178-0005		353205.77930	4796635.32840	12N
281	19-AUG-11 10:09:37	Waypoint	1473.80	Soil IS location in sampling unit #5	NWO-178-0005		353200.23700	4796609.48220	12N
282	19-AUG-11 10:10:26	Waypoint	1473.80	Soil IS location in sampling unit #5	NWO-178-0005		353202.10170	4796579.84210	12N
283	19-AUG-11 10:11:15	Waypoint	1473.80	Soil IS location in sampling unit #5	NWO-178-0005		353203.30650	4796552.69410	12N
284	19-AUG-11 10:12:08	Waypoint	1472.40	Soil IS location in sampling unit #5	NWO-178-0005		353200.28660	4796524.92650	12N
285	19-AUG-11 10:14:00	Waypoint	1472.40	Soil IS location in sampling unit #5	NWO-178-0005		353198.23690	4796496.24910	12N
286	19-AUG-11 10:14:49	Waypoint	1471.20	Soil IS location in sampling unit #5	NWO-178-0005		353212.83540	4796481.69950	12N
287	19-AUG-11 10:15:35	Waypoint	1471.70	Soil IS location in sampling unit #5	NWO-178-0005		353231.81920	4796496.14340	12N
288	19-AUG-11 10:16:43	Waypoint	1471.70	Soil IS location in sampling unit #5	NWO-178-0005		353233.44870	4796521.16340	12N
289	19-AUG-11 10:17:34	Waypoint	1472.10	Soil IS location in sampling unit #5	NWO-178-0005		353235.32550	4796550.47790	12N
290	19-AUG-11 10:18:36	Waypoint	1473.30	Soil IS location in sampling unit #5	NWO-178-0005		353232.94680	4796582.99570	12N
291	19-AUG-11 10:19:33	Waypoint	1472.90	Soil IS location in sampling unit #5	NWO-178-0005		353228.90470	4796612.13850	12N
292	19-AUG-11 10:20:31	Waypoint	1472.10	Soil IS location in sampling unit #5	NWO-178-0005		353231.58410	4796638.42460	12N
293	19-AUG-11 10:21:32	Waypoint	1471.90	Soil IS location in sampling unit #5	NWO-178-0005		353253.02010	4796651.84880	12N
294	19-AUG-11 10:23:03	Waypoint	1472.10	Soil IS location in sampling unit #5	NWO-178-0005		353267.46530	4796637.34710	12N
295	19-AUG-11 10:24:07	Waypoint	1472.90	Soil IS location in sampling unit #5	NWO-178-0005		353263.20860	4796608.66190	12N
296	19-AUG-11 10:25:01	Waypoint	1471.90	Soil IS location in sampling unit #5	NWO-178-0005		353263.23040	4796583.45060	12N
297	19-AUG-11 10:25:55	Waypoint	1471.40	Soil IS location in sampling unit #5	NWO-178-0005		353264.30730	4796555.26090	12N
298	19-AUG-11 10:26:56	Waypoint	1470.20	Soil IS location in sampling unit #5	NWO-178-0005		353263.93680	4796520.93600	12N
299	19-AUG-11 10:27:47	Waypoint	1469.50	Soil IS location in sampling unit #5	NWO-178-0005		353261.84920	4796500.98150	12N
300	19-AUG-11 10:28:32	Waypoint	1469.20	Soil IS location in sampling unit #5	NWO-178-0005		353280.88830	4796489.14690	12N
301	19-AUG-11 10:29:15	Waypoint	1469.70	Soil IS location in sampling unit #5	NWO-178-0005		353293.69940	4796500.32480	12N
302	19-AUG-11 10:29:58	Waypoint	1470.90	Soil IS location in sampling unit #5	NWO-178-0005		353292.85500	4796522.77620	12N
303	19-AUG-11 10:30:54	Waypoint	1471.90	Soil IS location in sampling unit #5	NWO-178-0005		353291.16470	4796552.62350	12N
304	19-AUG-11 10:31:50	Waypoint	1472.60	Soil IS location in sampling unit #5	NWO-178-0005		353291.88250	4796580.14100	12N
305	19-AUG-11 10:32:42	Waypoint	1473.10	Soil IS location in sampling unit #5	NWO-178-0005		353290.89310	4796607.50650	12N
306	19-AUG-11 10:33:36	Waypoint	1471.70	Soil IS location in sampling unit #5	NWO-178-0005		353294.95530	4796632.84040	12N
307	19-AUG-11 10:34:35	Waypoint	1471.70	Soil IS location in sampling unit #5	NWO-178-0005		353319.27790	4796628.56920	12N
308	19-AUG-11 10:35:24	Waypoint	1471.40	Soil IS location in sampling unit #5	NWO-178-0005		353313.78640	4796608.04390	12N
309	19-AUG-11 10:36:18	Waypoint	1471.20	Soil IS location in sampling unit #5	NWO-178-0005		353312.52880	4796581.82710	12N
310	19-AUG-11 10:37:08	Waypoint	1470.20	Soil IS location in sampling unit #5	NWO-178-0005		353314.35240	4796556.25450	12N
311	19-AUG-11 10:37:57	Waypoint	1470.20	Soil IS location in sampling unit #5	NWO-178-0005		353316.88790	4796528.71110	12N
312	19-AUG-11 10:38:50	Waypoint	1470.00	Soil IS location in sampling unit #5	NWO-178-0005		353315.56060	4796502.27350	12N
313	19-AUG-11 10:39:47	Waypoint	1469.70	Soil IS location in sampling unit #5	NWO-178-0005		353342.34680	4796495.96010	12N
314	19-AUG-11 10:41:00	Waypoint	1469.00	Soil IS location in sampling unit #5	NWO-178-0005		353342.73970	4796522.35130	12N
315	19-AUG-11 10:41:57	Waypoint	1470.20	Soil IS location in sampling unit #5	NWO-178-0005		353342.89450	4796553.10310	12N

GIS Coordinates (Cont.)
Pocatello Bombing Range No. 3

NAME	LAYER	GM_TYPE	ELEVATION	Notes	Sample_ID	Photo_ID	X_UTM	Y_UTM	UTM_Zone
316	19-AUG-11 10:43:06	Waypoint	1469.00	Soil IS location in sampling unit #5	NWO-178-0005		353341.45990	4796579.77830	12N
317	19-AUG-11 10:43:53	Waypoint	1469.20	Possible MEC, tail fins from AN-M50 or AN-M54 incendiary bomb sticking out of the ground.			353342.82000	4796571.77110	12N
318	19-AUG-11 10:45:48	Waypoint	1469.20	Soil IS location in sampling unit #5	NWO-178-0005		353344.51900	4796601.88950	12N
319	19-AUG-11 10:46:38	Waypoint	1469.20	Soil IS location in sampling unit #5	NWO-178-0005		353345.74400	4796619.11830	12N
320	19-AUG-11 10:47:26	Waypoint	1469.70	Soil IS location in sampling unit #5	NWO-178-0005		353368.93630	4796606.48300	12N
321	19-AUG-11 10:48:03	Waypoint	1469.00	Soil IS location in sampling unit #5	NWO-178-0005		353368.14390	4796582.25600	12N
322	19-AUG-11 10:49:07	Waypoint	1469.70	Possible MEC, tail fins from AN-M50 or AN-M54 incendiary bomb sticking out of the ground.			353367.32090	4796555.86300	12N
323	19-AUG-11 10:50:41	Waypoint	1469.20	Soil IS location in sampling unit #5	NWO-178-0005		353366.20920	4796529.99850	12N
324	19-AUG-11 10:51:33	Waypoint	1470.00	Last soil IS location in sampling unit #5	NWO-178-0005		353364.54490	4796505.22380	12N
325	19-AUG-11 11:03:49	Waypoint	1468.50	Possible MEC, tail fins from AN-M50 or AN-M54 incendiary bomb sticking out of the ground.			353198.41880	4796424.53480	12N
326	19-AUG-11 14:17:29	Waypoint	1474.30	First soil IS location in sampling unit #3. High concentration of craters and MD in this unit.	NWO-178-0003		352883.62080	4796663.78570	12N
327	19-AUG-11 14:20:09	Waypoint	1476.90	Soil IS location in sampling unit #3	NWO-178-0003		352880.44330	4796690.07670	12N
328	19-AUG-11 14:21:12	Waypoint	1476.70	Soil IS location in sampling unit #3	NWO-178-0003		352876.65840	4796719.78090	12N
329	19-AUG-11 14:21:57	Waypoint	1475.70	Soil IS location in sampling unit #3	NWO-178-0003		352881.53380	4796748.86360	12N
330	19-AUG-11 14:23:19	Waypoint	1476.50	Soil IS location in sampling unit #3	NWO-178-0003		352880.05470	4796785.72880	12N
331	19-AUG-11 14:24:30	Waypoint	1475.30	Soil IS location in sampling unit #3	NWO-178-0003		352887.63600	4796821.71930	12N
332	19-AUG-11 14:25:01	Waypoint	1473.80	Soil IS location in sampling unit #3	NWO-178-0003		352912.92190	4796820.37000	12N
333	19-AUG-11 14:25:53	Waypoint	1475.50	Soil IS location in sampling unit #3	NWO-178-0003		352904.92400	4796793.21070	12N
334	19-AUG-11 14:26:39	Waypoint	1475.30	Soil IS location in sampling unit #3	NWO-178-0003		352905.19720	4796768.06050	12N
335	19-AUG-11 14:27:26	Waypoint	1476.50	Soil IS location in sampling unit #3	NWO-178-0003		352897.28910	4796740.55480	12N
336	19-AUG-11 14:28:07	Waypoint	1475.00	Soil IS location in sampling unit #3	NWO-178-0003		352896.21680	4796714.72270	12N
337	19-AUG-11 14:28:53	Waypoint	1474.50	Soil IS location in sampling unit #3	NWO-178-0003		352896.09860	4796686.12560	12N
338	19-AUG-11 14:29:36	Waypoint	1472.60	Soil IS location in sampling unit #3	NWO-178-0003		352895.41470	4796661.36290	12N
339	19-AUG-11 14:31:02	Waypoint	1472.60	Soil IS location in sampling unit #3	NWO-178-0003		352923.72510	4796658.40350	12N
340	19-AUG-11 14:31:49	Waypoint	1474.30	Soil IS location in sampling unit #3	NWO-178-0003		352925.99230	4796683.96520	12N
341	19-AUG-11 14:32:32	Waypoint	1475.70	Soil IS location in sampling unit #3	NWO-178-0003		352926.65800	4796708.26160	12N
342	19-AUG-11 14:33:20	Waypoint	1476.90	Soil IS location in sampling unit #3	NWO-178-0003		352927.87400	4796741.09040	12N
343	19-AUG-11 14:34:02	Waypoint	1476.90	Soil IS location in sampling unit #3	NWO-178-0003		352931.86140	4796770.39250	12N
344	19-AUG-11 14:34:49	Waypoint	1476.00	Soil IS location in sampling unit #3	NWO-178-0003		352932.91580	4796797.64710	12N
345	19-AUG-11 14:35:29	Waypoint	1475.00	Soil IS location in sampling unit #3	NWO-178-0003		352935.24740	4796823.56290	12N
346	19-AUG-11 14:36:17	Waypoint	1474.50	Soil IS location in sampling unit #3	NWO-178-0003		352962.62150	4796815.62410	12N
347	19-AUG-11 14:36:59	Waypoint	1474.10	Soil IS location in sampling unit #3	NWO-178-0003		352960.93190	4796789.00540	12N
348	19-AUG-11 14:37:42	Waypoint	1475.30	Soil IS location in sampling unit #3	NWO-178-0003		352960.96660	4796764.81600	12N
349	19-AUG-11 14:38:31	Waypoint	1475.30	Soil IS location in sampling unit #3	NWO-178-0003		352956.71450	4796737.51970	12N
350	19-AUG-11 14:39:24	Waypoint	1473.80	Soil IS location in sampling unit #3	NWO-178-0003		352956.44520	4796712.03690	12N
351	19-AUG-11 14:40:12	Waypoint	1473.30	Soil IS location in sampling unit #3	NWO-178-0003		352951.58760	4796686.75380	12N
352	19-AUG-11 14:41:41	Waypoint	1473.10	Soil IS location in sampling unit #3	NWO-178-0003		352959.33960	4796659.61900	12N
353	19-AUG-11 14:42:21	Waypoint	1473.60	Soil IS location in sampling unit #3	NWO-178-0003		352995.62440	4796656.57580	12N
354	19-AUG-11 14:43:13	Waypoint	1474.50	Soil IS location in sampling unit #3	NWO-178-0003		352998.81970	4796692.38380	12N
355	19-AUG-11 14:44:13	Waypoint	1474.80	Soil IS location in sampling unit #3	NWO-178-0003		352999.66160	4796734.90960	12N
356	19-AUG-11 14:45:21	Waypoint	1474.10	Soil IS location in sampling unit #3	NWO-178-0003		352996.16930	4796772.50720	12N
357	19-AUG-11 14:46:18	Waypoint	1474.30	Soil IS location in sampling unit #3	NWO-178-0003		352994.87270	4796812.20170	12N
358	19-AUG-11 14:47:11	Waypoint	1472.90	Soil IS location in sampling unit #3	NWO-178-0003		353028.75780	4796815.64390	12N
359	19-AUG-11 14:48:15	Waypoint	1473.60	Soil IS location in sampling unit #3	NWO-178-0003		353021.72050	4796785.61910	12N
360	19-AUG-11 14:49:10	Waypoint	1473.80	Soil IS location in sampling unit #3	NWO-178-0003		353022.14320	4796752.01030	12N
361	19-AUG-11 14:49:58	Waypoint	1475.50	Soil IS location in sampling unit #3	NWO-178-0003		353016.74540	4796723.12770	12N
362	19-AUG-11 14:50:53	Waypoint	1475.30	Soil IS location in sampling unit #3	NWO-178-0003		353025.73430	4796691.28850	12N

GIS Coordinates (Cont.)
Pocatello Bombing Range No. 3

NAME	LAYER	GM_TYPE	ELEVATION	Notes	Sample_ID	Photo_ID	X_UTM	Y_UTM	UTM_Zone
363	19-AUG-11 14:51:35	Waypoint	1473.80	Soil IS location in sampling unit #3	NWO-178-0003		353025.67690	4796660.97900	12N
364	19-AUG-11 14:52:33	Waypoint	1474.10	Soil IS location in sampling unit #3	NWO-178-0003		353059.58150	4796657.80990	12N
365	19-AUG-11 14:53:33	Waypoint	1475.70	Soil IS location in sampling unit #3	NWO-178-0003		353057.43650	4796689.83390	12N
366	19-AUG-11 14:54:43	Waypoint	1474.10	Soil IS location in sampling unit #3	NWO-178-0003		353056.57500	4796726.04110	12N
367	19-AUG-11 14:55:34	Waypoint	1474.10	Soil IS location in sampling unit #3	NWO-178-0003		353055.42150	4796760.75470	12N
368	19-AUG-11 14:56:41	Waypoint	1474.50	Soil IS location in sampling unit #3	NWO-178-0003		353059.97980	4796792.83320	12N
369	19-AUG-11 14:58:00	Waypoint	1474.80	Soil IS location in sampling unit #3	NWO-178-0003		353086.57180	4796821.76710	12N
370	19-AUG-11 14:58:43	Waypoint	1474.30	Soil IS location in sampling unit #3	NWO-178-0003		353081.63840	4796792.58550	12N
371	19-AUG-11 14:59:24	Waypoint	1473.80	Soil IS location in sampling unit #3	NWO-178-0003		353080.84460	4796766.46970	12N
372	19-AUG-11 15:00:11	Waypoint	1472.90	Soil IS location in sampling unit #3	NWO-178-0003		353081.73160	4796732.92850	12N
373	19-AUG-11 15:00:21	Waypoint	1473.30	Soil IS location in sampling unit #3	NWO-178-0003		353082.80230	4796732.53870	12N
374	19-AUG-11 15:01:06	Waypoint	1474.30	Soil IS location in sampling unit #3	NWO-178-0003		353083.85660	4796697.36060	12N
375	19-AUG-11 15:02:00	Waypoint	1472.40	Soil IS location in sampling unit #3	NWO-178-0003		353082.21930	4796660.78540	12N
376	19-AUG-11 15:02:54	Waypoint	1471.70	Soil IS location in sampling unit #3	NWO-178-0003		353118.16200	4796654.31690	12N
377	19-AUG-11 15:03:50	Waypoint	1471.90	Soil IS location in sampling unit #3	NWO-178-0003		353123.91990	4796690.09160	12N
378	19-AUG-11 15:04:44	Waypoint	1472.60	Soil IS location in sampling unit #3	NWO-178-0003		353126.16650	4796721.47590	12N
379	19-AUG-11 15:05:31	Waypoint	1472.90	Soil IS location in sampling unit #3	NWO-178-0003		353127.92950	4796758.61500	12N
380	19-AUG-11 15:06:24	Waypoint	1473.60	Last soil IS location in sampling unit #3	NWO-178-0003		353122.89480	4796790.22390	12N
381	19-AUG-11 15:22:59	Waypoint	1477.20	First soil IS location in sampling unit #2. High concentration of craters and MD in this unit.	NWO-178-0002		352888.01960	4796829.66640	12N
382	19-AUG-11 15:24:39	Waypoint	1479.60	Soil IS location in sampling unit #2	NWO-178-0002		352885.97670	4796861.86610	12N
383	19-AUG-11 15:25:28	Waypoint	1478.40	Soil IS location in sampling unit #2	NWO-178-0002		352884.66420	4796896.31650	12N
384	19-AUG-11 15:26:11	Waypoint	1478.60	Soil IS location in sampling unit #2	NWO-178-0002		352880.25320	4796931.17870	12N
385	19-AUG-11 15:26:59	Waypoint	1476.70	Soil IS location in sampling unit #2	NWO-178-0002		352868.11280	4796964.30890	12N
386	19-AUG-11 15:28:04	Waypoint	1476.70	Soil IS location in sampling unit #2	NWO-178-0002		352879.76510	4796994.23320	12N
387	19-AUG-11 15:29:11	Waypoint	1477.70	Soil IS location in sampling unit #2	NWO-178-0002		352909.86650	4796996.09040	12N
388	19-AUG-11 15:29:56	Waypoint	1476.70	Soil IS location in sampling unit #2	NWO-178-0002		352907.64710	4796973.10550	12N
389	19-AUG-11 15:31:15	Waypoint	1477.90	Soil IS location in sampling unit #2	NWO-178-0002		352901.91210	4796944.40810	12N
390	19-AUG-11 15:39:23	Waypoint	1476.50	Soil IS location in sampling unit #2	NWO-178-0002		352906.98200	4796915.22040	12N
391	19-AUG-11 15:40:08	Waypoint	1476.70	Soil IS location in sampling unit #2	NWO-178-0002		352918.61180	4796881.73480	12N
392	19-AUG-11 15:41:02	Waypoint	1476.70	Soil IS location in sampling unit #2	NWO-178-0002		352920.39400	4796857.69630	12N
393	19-AUG-11 15:41:50	Waypoint	1477.20	Soil IS location in sampling unit #2	NWO-178-0002		352919.96330	4796832.26140	12N
394	19-AUG-11 15:42:34	Waypoint	1478.10	Soil IS location in sampling unit #2	NWO-178-0002		352951.96430	4796831.14420	12N
395	19-AUG-11 15:43:19	Waypoint	1477.40	Soil IS location in sampling unit #2	NWO-178-0002		352954.85610	4796862.68110	12N
396	19-AUG-11 15:44:10	Waypoint	1476.70	Soil IS location in sampling unit #2	NWO-178-0002		352978.00370	4796888.42270	12N
397	19-AUG-11 15:45:26	Waypoint	1477.70	Soil IS location in sampling unit #2	NWO-178-0002		352966.41460	4796917.07410	12N
398	19-AUG-11 15:46:48	Waypoint	1477.40	Soil IS location in sampling unit #2	NWO-178-0002		352955.10350	4796951.41940	12N
399	19-AUG-11 15:47:30	Waypoint	1477.90	Soil IS location in sampling unit #2	NWO-178-0002		352953.56790	4796987.56350	12N
400	19-AUG-11 15:48:29	Waypoint	1477.40	Soil IS location in sampling unit #2	NWO-178-0002		352984.86050	4796991.97290	12N
401	19-AUG-11 15:49:35	Waypoint	1476.50	Soil IS location in sampling unit #2	NWO-178-0002		352983.50070	4796961.48050	12N
402	19-AUG-11 15:50:34	Waypoint	1476.90	Soil IS location in sampling unit #2	NWO-178-0002		352992.65160	4796928.15990	12N
403	19-AUG-11 15:51:42	Waypoint	1476.90	Soil IS location in sampling unit #2	NWO-178-0002		352999.42090	4796893.51330	12N
404	19-AUG-11 15:52:39	Waypoint	1476.00	Soil IS location in sampling unit #2	NWO-178-0002		353000.28390	4796859.26150	12N
405	19-AUG-11 15:53:35	Waypoint	1476.00	Soil IS location in sampling unit #2	NWO-178-0002		352996.65920	4796831.32940	12N
406	19-AUG-11 15:54:27	Waypoint	1475.70	Soil IS location in sampling unit #2	NWO-178-0002		353026.36300	4796827.55130	12N
407	19-AUG-11 15:55:14	Waypoint	1475.70	Soil IS location in sampling unit #2	NWO-178-0002		353024.29980	4796856.22910	12N
408	19-AUG-11 15:56:22	Waypoint	1476.70	Soil IS location in sampling unit #2	NWO-178-0002		353020.92820	4796895.27970	12N
409	19-AUG-11 15:57:14	Waypoint	1476.70	Soil IS location in sampling unit #2	NWO-178-0002		353016.34760	4796931.33430	12N
410	19-AUG-11 15:58:03	Waypoint	1477.20	Soil IS location in sampling unit #2	NWO-178-0002		353014.06570	4796963.76140	12N
411	19-AUG-11 15:58:58	Waypoint	1477.40	Soil IS location in sampling unit #2	NWO-178-0002		353012.40930	4796994.73030	12N
412	19-AUG-11 15:59:55	Waypoint	1476.70	Soil IS location in sampling unit #2	NWO-178-0002		353045.63770	4796995.99800	12N

GIS Coordinates (Cont.)
Pocatello Bombing Range No. 3

NAME	LAYER	GM_TYPE	ELEVATION	Notes	Sample_ID	Photo_ID	X_UTM	Y_UTM	UTM_Zone
413	19-AUG-11 16:01:03	Waypoint	1476.70	Soil IS location in sampling unit #2	NWO-178-0002		353042.60470	4796964.28640	12N
414	19-AUG-11 16:02:14	Waypoint	1478.10	Soil IS location in sampling unit #2	NWO-178-0002		353039.44940	4796929.18850	12N
415	19-AUG-11 16:03:18	Waypoint	1477.90	Soil IS location in sampling unit #2	NWO-178-0002		353036.82990	4796899.71230	12N
416	19-AUG-11 16:04:31	Waypoint	1476.90	Soil IS location in sampling unit #2	NWO-178-0002		353039.19440	4796866.59470	12N
417	19-AUG-11 16:05:25	Waypoint	1475.30	Soil IS location in sampling unit #2	NWO-178-0002		353040.22720	4796835.67250	12N
418	19-AUG-11 16:06:19	Waypoint	1475.30	Soil IS location in sampling unit #2	NWO-178-0002		353071.62840	4796833.83560	12N
419	19-AUG-11 16:07:12	Waypoint	1476.00	Soil IS location in sampling unit #2	NWO-178-0002		353073.42090	4796862.22980	12N
420	19-AUG-11 16:08:11	Waypoint	1476.70	Soil IS location in sampling unit #2	NWO-178-0002		353069.06260	4796897.32400	12N
421	19-AUG-11 16:09:11	Waypoint	1476.70	Soil IS location in sampling unit #2	NWO-178-0002		353072.02310	4796932.42610	12N
422	19-AUG-11 16:10:01	Waypoint	1476.50	Soil IS location in sampling unit #2	NWO-178-0002		353071.21160	4796964.95440	12N
423	19-AUG-11 16:11:03	Waypoint	1475.70	Soil IS location in sampling unit #2	NWO-178-0002		353070.22820	4796995.16440	12N
424	19-AUG-11 16:12:00	Waypoint	1476.50	Soil IS location in sampling unit #2	NWO-178-0002		353105.06160	4796991.87530	12N
425	19-AUG-11 16:12:47	Waypoint	1475.30	Soil IS location in sampling unit #2	NWO-178-0002		353103.09890	4796963.86260	12N
426	19-AUG-11 16:13:45	Waypoint	1477.20	Soil IS location in sampling unit #2	NWO-178-0002		353102.03150	4796930.74170	12N
427	19-AUG-11 16:14:58	Waypoint	1476.90	Soil IS location in sampling unit #2	NWO-178-0002		353101.02440	4796900.77490	12N
428	19-AUG-11 16:15:53	Waypoint	1476.90	Soil IS location in sampling unit #2	NWO-178-0002		353102.73620	4796865.60480	12N
429	19-AUG-11 16:16:47	Waypoint	1475.50	Soil IS location in sampling unit #2	NWO-178-0002		353105.87620	4796832.31480	12N
430	19-AUG-11 16:17:40	Waypoint	1476.50	Last soil IS location in sampling unit #2	NWO-178-0002		353130.45620	4796849.30370	12N
431	19-AUG-11 16:20:20	Waypoint	1476.50	Wood debris with nails.			353027.70180	4796813.34460	12N
432	19-AUG-11 16:37:10	Waypoint	1463.20	Location of basalt stone wall like the one at Wood Road Lake, associated with dry pond.			353698.48960	4794598.08850	12N
433	19-AUG-11 16:44:12	Waypoint	1477.40	Another basalt stone wall, again with dry pond.			352674.77580	4792941.72220	12N
434	19-AUG-11 16:47:46	Waypoint	1466.10	Waypoint for GPS check at intersection of two dirt roads visible on aerial photograph.			352123.56460	4792039.03220	12N
436	19-AUG-11 17:08:09	Waypoint	1407.20	Approximate location of detonation area (off the road).			361515.12680	4789090.46100	12N
437	20-AUG-11 8:53:13	Waypoint	1470.50	First soil IS location in sampling unit #4	NWO-178-0004		353107.15230	4796496.12410	12N
438	20-AUG-11 8:56:46	Waypoint	1472.60	Soil IS location in sampling unit #4	NWO-178-0004		353111.77210	4796530.30130	12N
439	20-AUG-11 8:57:43	Waypoint	1472.90	Soil IS location in sampling unit #4	NWO-178-0004		353111.18750	4796566.56910	12N
440	20-AUG-11 8:58:43	Waypoint	1471.90	Soil IS location in sampling unit #4	NWO-178-0004		353111.19170	4796600.05750	12N
441	20-AUG-11 8:59:35	Waypoint	1470.90	Soil IS location in sampling unit #4	NWO-178-0004		353106.72740	4796631.40960	12N
442	20-AUG-11 9:00:24	Waypoint	1471.40	Soil IS location in sampling unit #4	NWO-178-0004		353090.67300	4796647.64660	12N
443	20-AUG-11 9:00:55	Waypoint	1471.70	Soil IS location in sampling unit #4	NWO-178-0004		353075.27760	4796636.28070	12N
444	20-AUG-11 9:01:42	Waypoint	1471.20	Soil IS location in sampling unit #4	NWO-178-0004		353077.75780	4796603.99390	12N
445	20-AUG-11 9:02:24	Waypoint	1471.90	Soil IS location in sampling unit #4	NWO-178-0004		353074.66010	4796570.79480	12N
446	20-AUG-11 9:03:10	Waypoint	1472.40	Soil IS location in sampling unit #4	NWO-178-0004		353073.62640	4796539.22860	12N
447	20-AUG-11 9:04:15	Waypoint	1471.40	Soil IS location in sampling unit #4	NWO-178-0004		353069.72280	4796494.69160	12N
448	20-AUG-11 9:05:08	Waypoint	1471.40	Soil IS location in sampling unit #4	NWO-178-0004		353033.05280	4796497.59830	12N
449	20-AUG-11 9:05:54	Waypoint	1471.20	Soil IS location in sampling unit #4	NWO-178-0004		353036.34600	4796531.19320	12N
450	20-AUG-11 9:06:44	Waypoint	1470.50	Soil IS location in sampling unit #4	NWO-178-0004		353039.75120	4796569.20780	12N
451	20-AUG-11 9:07:33	Waypoint	1470.90	Soil IS location in sampling unit #4	NWO-178-0004		353038.32680	4796606.39390	12N
452	20-AUG-11 9:08:14	Waypoint	1471.40	Soil IS location in sampling unit #4. Photo 49: NW, Big Southern Butte.	NWO-178-0004	49	353036.21690	4796634.42830	12N
453	20-AUG-11 9:11:03	Waypoint	1472.40	Soil IS location in sampling unit #4	NWO-178-0004		353016.96100	4796650.06820	12N
454	20-AUG-11 9:11:37	Waypoint	1472.60	Soil IS location in sampling unit #4	NWO-178-0004		352996.73790	4796637.97400	12N
455	20-AUG-11 9:12:27	Waypoint	1471.40	Soil IS location in sampling unit #4	NWO-178-0004		352998.08530	4796605.10060	12N
456	20-AUG-11 9:13:14	Waypoint	1471.20	Soil IS location in sampling unit #4	NWO-178-0004		352997.95470	4796575.15930	12N
457	20-AUG-11 9:14:07	Waypoint	1471.90	Soil IS location in sampling unit #4	NWO-178-0004		352995.69430	4796539.43100	12N
458	20-AUG-11 9:14:55	Waypoint	1471.40	Soil IS location in sampling unit #4	NWO-178-0004		352993.89850	4796505.67030	12N
459	20-AUG-11 9:15:55	Waypoint	1471.90	Soil IS location in sampling unit #4	NWO-178-0004		352967.31790	4796490.79190	12N
460	20-AUG-11 9:16:45	Waypoint	1471.70	Soil IS location in sampling unit #4	NWO-178-0004		352948.35430	4796506.08130	12N
461	20-AUG-11 9:17:31	Waypoint	1470.70	Soil IS location in sampling unit #4	NWO-178-0004		352952.72630	4796535.90830	12N

GIS Coordinates (Cont.)
Pocatello Bombing Range No. 3

NAME	LAYER	GM_TYPE	ELEVATION	Notes	Sample_ID	Photo_ID	X_UTM	Y_UTM	UTM_Zone
462	20-AUG-11 9:18:22	Waypoint	1469.50	Soil IS location in sampling unit #4	NWO-178-0004		352949.87700	4796569.85870	12N
463	20-AUG-11 9:19:16	Waypoint	1469.70	Soil IS location in sampling unit #4	NWO-178-0004		352953.64280	4796605.39880	12N
464	20-AUG-11 9:20:06	Waypoint	1470.20	Soil IS location in sampling unit #4	NWO-178-0004		352955.89360	4796637.68300	12N
465	20-AUG-11 9:20:44	Waypoint	1470.70	Soil IS location in sampling unit #4	NWO-178-0004		352942.28880	4796652.36710	12N
466	20-AUG-11 9:21:31	Waypoint	1469.00	Soil IS location in sampling unit #4	NWO-178-0004		352922.61310	4796641.57230	12N
467	20-AUG-11 9:22:23	Waypoint	1470.00	Soil IS location in sampling unit #4	NWO-178-0004		352922.35250	4796613.13380	12N
468	20-AUG-11 9:23:13	Waypoint	1469.00	Soil IS location in sampling unit #4	NWO-178-0004		352917.34150	4796577.05410	12N
469	20-AUG-11 9:24:16	Waypoint	1469.20	Soil IS location in sampling unit #4	NWO-178-0004		352918.25950	4796544.60110	12N
470	20-AUG-11 9:25:08	Waypoint	1469.20	Soil IS location in sampling unit #4	NWO-178-0004		352918.64820	4796513.18190	12N
471	20-AUG-11 9:25:50	Waypoint	1469.70	Soil IS location in sampling unit #4	NWO-178-0004		352915.33830	4796488.55400	12N
472	20-AUG-11 9:26:38	Waypoint	1469.70	Soil IS location in sampling unit #4	NWO-178-0004		352891.51360	4796480.64930	12N
473	20-AUG-11 9:27:24	Waypoint	1469.20	Soil IS location in sampling unit #4	NWO-178-0004		352889.35500	4796513.14030	12N
474	20-AUG-11 9:28:13	Waypoint	1468.80	Soil IS location in sampling unit #4	NWO-178-0004		352889.74540	4796547.92040	12N
475	20-AUG-11 9:29:08	Waypoint	1471.90	Soil IS location in sampling unit #4	NWO-178-0004		352889.56820	4796583.46840	12N
476	20-AUG-11 9:29:59	Waypoint	1472.90	Soil IS location in sampling unit #4	NWO-178-0004		352890.72620	4796614.36520	12N
477	20-AUG-11 9:31:05	Waypoint	1472.10	Soil IS location in sampling unit #4	NWO-178-0004		352892.90160	4796645.40650	12N
478	20-AUG-11 9:31:49	Waypoint	1473.60	Soil IS location in sampling unit #4	NWO-178-0004		352877.86790	4796651.45530	12N
479	20-AUG-11 9:32:26	Waypoint	1472.60	Soil IS location in sampling unit #4	NWO-178-0004		352870.78630	4796638.47590	12N
480	20-AUG-11 9:33:12	Waypoint	1473.30	Soil IS location in sampling unit #4	NWO-178-0004		352870.23540	4796617.59920	12N
481	20-AUG-11 9:33:52	Waypoint	1471.40	Soil IS location in sampling unit #4	NWO-178-0004		352868.77340	4796598.10890	12N
482	20-AUG-11 9:34:47	Waypoint	1471.20	Soil IS location in sampling unit #4	NWO-178-0004		352867.67940	4796564.18850	12N
483	20-AUG-11 9:35:39	Waypoint	1472.10	Soil IS location in sampling unit #4	NWO-178-0004		352863.49060	4796533.10200	12N
484	20-AUG-11 9:36:27	Waypoint	1471.70	Soil IS location in sampling unit #4	NWO-178-0004		352863.49450	4796502.65780	12N
485	20-AUG-11 9:37:10	Waypoint	1471.20	Soil IS location in sampling unit #4	NWO-178-0004		352864.94260	4796481.91540	12N
486	20-AUG-11 9:38:55	Waypoint	1471.70	Last soil IS location in sampling unit #4	NWO-178-0004		352937.95100	4796483.99630	12N
487	20-AUG-11 9:57:30	Waypoint	1475.30	Sediment sample location (NWO-178-1001/1002). No surface water present. Photo 50: NE, at sample location. Photos 51 and 52: large cat tracks in dried sediment.	NWO-178-1001/1002	50-52	352906.89400	4796960.09970	12N
488	20-AUG-11 10:24:39	Waypoint	1470.00	Photo 53: S, stock watering tank.		53	353639.99750	4795899.95210	12N
489	20-AUG-11 10:41:56	Waypoint	1461.60	Photo 54: N, corral at turn-off from main BLM road to MRS.		54	352111.90100	4791749.89010	12N
490	20-AUG-11 10:59:46	Waypoint	1415.70	Photo 55: Down/north at location of detonation crater. Photo 56: N, at location of detonation crater at base of basalt outcropping.		55, 56	361484.89410	4789212.60160	12N
491	20-AUG-11 11:02:45	Waypoint	1414.50	Photo 57: N, Taber fire burn area.		57	361743.20250	4789067.29110	12N

BLM = Bureau of Land Management
E = east
frag = fragment
ft = foot or feet
GP = general purpose
HE = high explosive
IS = incremental sample
lb = pound(s)
MD = munitions debris
MEC = munitions and explosives of concern
N = north
S = south
W = west
WP = waypoint

Appendix I
Geophysical Data

This appendix is not used.

Appendix J
Conceptual Site Model

1.0 Conceptual Site Model – Bombing Range No. 3 MRS

1.1 Overview

A site-specific conceptual site model (CSM) summarizes available site information and identifies relationships between exposure pathways and associated receptors. A CSM is used to determine the data types necessary to describe site conditions and quantify receptor exposure, and discusses the following information:

- Current site conditions and future land use;
- Potential munitions and explosives of concern (MEC) and munitions constituents (MC) sources (e.g., lead projectiles in an impact berm);
- Affected media;
- Governing fate and transport processes (e.g., surface water runoff and/or groundwater migration);
- Exposure media (i.e., media through which receptors could contact site-related MEC and MC);
- Routes of exposure (e.g., inhalation, incidental ingestion, and dermal contact); and
- Potential human and/or representative ecological receptors at the exposure point. Receptors likely to be exposed to site MEC or MC are identified based on current and expected future land uses.

The CSM is evaluated for completeness and further developed as needed through Technical Project Planning (TPP) meetings and additional investigation.

One Munitions Response Site (MRS) was identified at the Pocatello Bombing Range No. 3 Formerly Used Defense Site (FUDS). The MRS consists of Bombing Range No. 3 and corresponds directly with the Military Munitions Response Area identified in the *ASR Supplement* (U.S. Army Corps of Engineers [USACE], 2004). The CSM for the Bombing Range No. 3 MRS is presented below.

1.2 Background

The CSM is based on information presented in the *Inventory Project Report* (INPR) (USACE, 1988), *Archives Search Report* (ASR) (USACE, 2003), and *ASR Supplement* (USACE, 2004). The CSM has been updated with information obtained during the Site Inspection (SI).

1.2.1 History of Use

Pocatello Bombing Range No. 3, also known as Pocatello Precision Bombing Range No. 3 and the Pocatello Demolition and Incendiary Bombing Range, was built and used as a demolition and incendiary bombing range for the Pocatello Army Air Base. The land for the range was acquired on October 7, 1943. The range may have been in use as early as October 7, 1943, until as late as

May 1, 1947. Department of Defense (DoD) usage was officially revoked by Public Land Order 969, dated June 4, 1954.

During 1943 and 1944, the 19th, 96th, 308th, 382nd, 453rd, and 464th Bomb Groups were stationed at the Pocatello Army Airbase. The 76th Fighter Group and 362nd Fighter Squadron were also stationed at Pocatello, and all of these groups and squadrons had potential use of the Bombing Range No. 3 MRS (USACE, 2003).

Improvements made to the target included five frame pyramid targets, which were left on the property. This suggests one target area with five smaller targets in that area. A target ring is visible in the 1952 aerial photograph of the range. Other unspecified improvements made to the range were removed. There is no indication in the available historical documentation or historical aerial photograph review that the range was used for night bombing. According to the ASR, conventional ordnance including practice bombs with spotting charges, general purpose (GP) high explosive (HE) bombs, and incendiary bombs were utilized at Pocatello Bombing Range No. 3 (USACE, 2003). Evidence of the use of .50-caliber small arms ammunition was also found during the SI. The total number of bombs dropped on this range during its period of usage is not specified in any of the reviewed documentation. The ASR does state that "during September 1943, the 382nd Bombardment Group, stationed at Pocatello Army Air Base dropped 1,706 practice bombs and 95 demolition bombs," and that "The quantity of bomb craters is consistent with high explosive demolition bombs used in training by Bombardment Groups for the Pocatello Bombing Range No. 3" (USACE, 2003). In addition, the Certificate of Clearance makes reference to "scrap from hundreds of practice bombs" (USACE, 2003). The Certificate of Clearance was completed for the rectangular "impact area" consisting of 183 acres, as shown on a real estate map dated January 1944 and revised in May 1956.

Although chemical warfare training was conducted at Pocatello Army Air Base, "the archive search team found no indication that any Army Air Corps personnel conducted CWM training, storage or disposal activities at Pocatello Bombing Range No. 3…All training would have occurred at the main field. Furthermore, the archive search found no indication of chemical spray missions occurring at Pocatello Precision Bombing Range No. 3" (USACE, 2003).

Typically, the Army acquired an area approximately 2 miles by 2 miles square or greater in which to establish a precision bombing range. Within the acquired property, the established range included a target with a central target area (the area within a 500-foot [ft] radius of the target center) and a surrounding safety zone (the area within a 3,000-ft radius of the target center). The *ASR Supplement* cites Army studies and reports on bombing analysis and accuracy completed in 1942 indicating that 99 percent of bombs dropped from 25,000 ft or less, at speeds up to 250 miles per hour, would be expected to fall within 3,000 ft of the target, with 95 percent within 2,000 ft (USACE, 2004). The *ASR Supplement* also provides a range description for "Bombing Target, Live (aka: PBR, Precision Bombing Target, Bombing Range)" indicating a

circle with a 3,000 foot radius and probable munitions type of "Bomb, High Explosive." The range description for "Bombing Target, Practice (aka: PBR, Precision Bombing Range, Bombing Target)" provides the same specifications for a circular MRS boundary with a radius of 3,000 ft, with probable munitions type "Bomb, Practice." This was the basis for establishing an MRS range boundary with a radius of 3,000 ft from the target center as defined in the *ASR Supplement* and the MRS Inventory (DoD, 2010).

Although .50-caliber small arms ammunition was used at Pocatello Bombing Range No. 3, target areas or machine gun range features have not been identified. The FUDS is approximately 2 miles by 3 miles, which is too small to accommodate a typical air-to-ground gunnery range of 2 by 6 miles. Likewise, the reported "impact area" is approximately 1,955 ft by 3,945 ft, which is not consistent with a typical air-to-ground gunnery range.

The center of the target was typically marked with a pyramid, approximately 30 ft by 30 ft at its base and at least 12 ft high, constructed of wood or native earth and whitewashed or painted in a contrasting color to the native soil. A large numeral, 75 to 150 ft long and marked in a similar manner to the target circles and lines, was typically set north of the target, although a marking of this type is not visible in the available historical aerial photograph.

The central target area was typically marked with a series of concentric target circles and four legs aligned with the center marking north, south, east, and west directions. Crushed rock, white paint, whitewash, lime, or other material contrasting in color with the surrounding soil was used to mark the circles and legs. The number and diameter of the circles varied, although the largest target circle was typically up to 1,000 ft in diameter.

A cleared area, 30 ft wide, formed a fire guard that bounded the safety zone, and range warning markers were placed at intervals outside the fire guards. Historical manuals depict the fire guards defining a square of approximately 1 square mile centered on the target, although historical aerial photographs indicate that fire guards at some ranges were more irregular in shape and distance from the target center.

1.2.2 Overview of Site Characteristics

Pocatello Bombing Range No. 3 is located approximately 25 miles northwest of Blackfoot in Bingham County, Idaho, in an area of low population density with 2.4 persons per square mile (Environmental Systems Research Institute [ESRI], 2006). The FUDS consists of 3,840 acres in Township 1 South, Range 31 East, Sections 22, 23, 26, 27, 34, and 35. The regional geology is characterized by extrusive igneous activity and faulting resulting from crustal extension (USACE, 2003). Locally to the MRS, basalt bedrock is overlain by loamy soils in some areas and is exposed in other areas (U.S. Department of Agriculture [USDA], 2008). The site is underlain by the Snake River Plain Aquifer, which is a very productive aquifer in fractured basalt. Some groundwater is also present in unconsolidated deposit aquifers. Groundwater in the basalt bedrock is encountered at depths from approximately 150 ft below ground surface

(bgs) to greater than 400 ft bgs. Groundwater in the unconsolidated deposit aquifers is encountered at shallower depths, up to 65 ft bgs (Idaho Department of Water Resources [IDWR], 2010). Groundwater flows toward the southwest (United States Geological Survey, 2006). There are 76 active community public water systems located in Bingham County. The source of water for all of these systems is groundwater (U.S. Environmental Protection Agency [EPA], 2011). Soils within the FUDS range from gravelly and cobbly silt loam to silty clay loam. The depth to bedrock within the FUDS property boundary ranges from 0 to greater than 80 inches, with the majority of the property having exposed or shallow bedrock (USDA, 2008).

1.2.3 Munitions and Associated MC

According to historical documentation and physical observations made during the SI field activities, the munitions used at Pocatello Bombing Range No. 3 included:

- M38A2 Practice Bomb, 100 pounds (lb);
- M1A1 and M3 Spotting Charge;
- M5 Spotting Charge (limited evidence);
- AN-M30 GP Bomb, 100 lb;
- AN-M50 Incendiary Bomb, 4 lb;
- AN-M54 Incendiary Bomb, 4 lb; and
- .50-caliber small arms ammunition.

MD from the M38A2 100-lb practice bomb, M1A1 or M3 spotting charge, AN-M30 GP HE bomb, AN-M54 and possibly AN-M50 incendiary bomb, and .50-caliber small arms ammunition was observed during the SI field activities.

The M38A2 100-lb practice bomb simulated a GP bomb of the same size. It was constructed of light sheet metal, approximately 22-gauge steel, formed by rolling a rectangular sheet of metal into the form of a cylinder approximately 8 inches in diameter and spot-welding the seam. The rounded nose was pressed from the same metal, as was the tail, which was formed in the shape of a cone. The spotting charge was assembled in a sleeve at the base of the bomb, within the fin box. Authorized spotting charges were the M1A1, M3, and M5. It is possible that the M3 spotting charge was used in addition to the M1A1, given that the MRS would have been snow-covered during the winter months. There is no historical evidence indicating the use of the M5 spotting charge; however, one object appearing to be the base of an M5 glass bottle spotting charge was observed during the SI field activities.

The old-series GP bomb used during the World War II time period, such as the AN-M30 100-lb bomb, was a relatively thin-cased bomb with parallel sidewalls and a tapered aft section. Nose and tail fuzes were used either separately or in combination for a majority of operations. Approximately 50 percent of the complete weight of the round was its explosive filler, which

typically consisted of Amatol (comprised of a mixture of ammonium nitrate and 2,4,6-trinitrotoluene [TNT]); TNT; Tritonal (80 percent TNT and 20 percent aluminum powder); or Composition B (59.5 percent hexahydro-1,3,5-trinitro-1,3,5-triazine [RDX], 39.5 percent TNT, and 1 percent wax).

The AN-M30 GP bomb was fuzed in the nose with the AN-M103 fuze or in the tail with the AN-M100A2 fuze. The alternate nose fuzes that were used as substitutes or for special purposes were the M103, M118, or M119. The alternate tail fuzes that were used were the M112, M100, M106 or its modifications, or the AN-M100A1.

The AN-M50 incendiary bombs used at Pocatello Bombing Range No. 3 were 4-lb bomblets delivered in a cluster consisting of an adapter and 34 four-lb bombs. The AN-M54 was a similar incendiary bomb in production during the use of Pocatello Bombing Range No. 3, and is also described below. The AN-M50 contained a firing assembly (essentially a shotshell primer), approximately 20 grams (g) of first fire mixture, a 1-inch diameter core of thermate, and a magnesium body weighing 1.25 lb. The AN-M54 was constructed of sheet metal and contained a firing assembly (essentially a shotshell primer), approximately 20 g of first fire mixture, and a filler core of 22 ounces of thermate. Approximately 20 percent of the bombs in the cluster were designed to have a delayed detonation and may have contained black powder or a small 2,4,6-trinitrophenyl-N-methylnitramine (tetryl) explosive charge.

The .50-caliber cartridges reported as most commonly used at other practice ranges during the World War II time period are ball and tracer rounds. The cartridges consisted of a projectile, cartridge case, igniter (and sometimes tracer), propellant, and primer. The cartridges were belted together with metal links.

Information regarding the munitions used and the associated MC is provided in Table 2-1 of the SI Report for Pocatello Bombing Range No. 3.

1.2.4 Previous MEC Finds

One MEC find had been reported prior to the SI at Pocatello Bombing Range No. 3. The report was made by a hunter, and, according to Bureau of Land Management (BLM) representatives, was not confirmed by law enforcement or Explosive Ordnance Disposal personnel.

1.2.5 Previous MC Sample Results

No MC sampling had been conducted at Bombing Range No. 3 prior to the SI.

1.2.6 Current and Future Land Use

The entire MRS is managed by the BLM. Portions of the MRS are managed as part of the Cedar Butte Wilderness Study Area. The remainder of the MRS is primarily used for cattle grazing. The land may also be used for hunting. The MRS is located in a region that experiences grass fires and may periodically burn. Land use is not expected to change in the foreseeable future.

1.2.7 Sensitive Environments

Portions of the Bombing Range No. 3 MRS are managed for ecological purposes as part of the Cedar Butte Wilderness Study Area. The MRS also contains an Important Ecological Place (IEP) or Sensitive Environment as defined by USACE (2006) or EPA (1997) based on the presence of mapped wetlands associated with Wood Road Lake.

1.3 MEC Evaluation

This section provides an evaluation of the potential MEC associated with the munitions formerly used at the range, including practice bombs with spotting charges, GP bombs containing HE filler, and incendiary bombs. Unexploded spotting charges from 100-lb practice bombs, GP bombs containing HE filler, and incendiary bombs are the potential MEC at the MRS. Debris from .50-caliber small arms ammunition was also observed at the range, but because small arms ammunition does not pose a significant explosive hazard, these munitions are not further addressed in the MEC evaluation. An analysis of the exposure pathways and receptors for MEC is provided in Diagram J-1.

1.3.1 Types of MEC

The M38A2 100-lb practice bomb poses a low explosive risk attributed to the attached spotting charge. The M38A2 100-lb practice bomb is 47.5 inches long, filled with sand, and designed to simulate a GP bomb of the same size. The spotting charge was designed to detonate on impact to mark the location of the practice bomb on the target range by producing a flash of flame and smoke. Spotting charges authorized for use with the M38A2 100-lb practice bomb consisted of the M1A1, M3, or M5.

Intact spotting charges are unlikely to be found. M5 spotting charges consisted of a glass bottle with a fluid FS smoke mixture. The force of impact with the ground would have broken the glass M5 spotting charge, rendering the charge inoperable. M1A1 and M3 spotting charges consisted of a steel canister filled with black powder. The force of impact with the ground and subsequent rusting of the charge and igniter would likely render the M1A1 and M3 spotting charges inoperable. M1A1 and M3 spotting charges are typically deformed to a degree from impact. The igniters are often bent or broken off the spotting charge. Rust is typically visible on all surfaces of the spotting charges. For an M1A1 or M3 spotting charge to function, it would have had to remain sealed through time with its container not rusted through or damaged by impact with the ground.

Tampering with an intact M1A1 or M3 spotting charge that contains unaltered black powder could result in bodily harm. Hammering or attempting to disassemble the black powder-filled canister could cause an explosion resulting from shock or friction. An exploding spotting charge could cause burns, injury (possibly severe), and/or blinding.

GP bombs explode and fragment upon detonation. The initiation of the igniters and fuzes associated with the GP bombs is by impact or impact inertia requiring a force to cause the firing pin to strike a primer/detonator. The bomb fuzes can have a functioning delay. The bomb fuze may be caused to function by being tampered with or by being struck (e.g., by agricultural equipment), detonating the HE filler of the bomb and causing death, blinding, severe injury, and/or severe property damage.

The AN-M50 and AN-M54 series incendiary bombs are 21.35 inches long and weigh 3.5 lb. These incendiaries function on target impact when a firing pin strikes the percussion primer, igniting the first fire mixture. The burning of the first fire mixture ignites the thermate core, which burns and ignites the magnesium bomb body or melts the steel body. In the AN-M50XA1 or AN-M54X, the thermate burns down to the black powder capsule, which then detonates, causing burning magnesium or molten steel to be dispersed over a wide area. The AN-M50XA2 and AN-M54XA1 function similarly, except that when the thermate burns down to a specific point a delay detonator is activated. This ignites the tetryl explosive charge, fragmenting the nose.

Clusters containing AN-M50 and AN-M54 bombs may have been loaded with 80 percent regular munitions and 20 percent delayed detonation munitions (AN-M50XA1, AN-M50XA2, AN-M54X, and AN-M54XA1). AN-M50 and AN-M54 incendiary bombs would pose little risk of injury if stepped on or driven over. Tampering with or attempting to disassemble an incendiary bomb could cause ignition, potentially resulting in death, blindness, or severe injury from the burning fire mixture (i.e., thermate or magnesium). In the case of the delayed detonation versions, a detonation may occur, potentially causing death, blinding, or severe injury.

1.3.2 Human Receptors

The potential human receptors for MEC are BLM workers, cattle ranchers, firefighters, and hunters.

1.3.3 Route of Exposure

Surface and subsurface soils and basalt flows are potential pathways for human exposure to MEC. The potential route of human exposure to MEC is direct contact. Humans may be exposed to MEC present on the ground surface, or to MEC in subsurface soils through intrusive activities such as drilling, trenching, road building, or soil tilling. Naturally occurring phenomena (e.g., erosion or repeated frost cycles) or intrusive activities by wildlife may also expose MEC in the future.

1.3.4 MEC Pathway Evaluation

The Bombing Range No. 3 MRS is a former range where M38A2 100-lb practice bombs containing M1A1 or M3 spotting charges, AN-M30 GP HE bombs, and 100-lb incendiary bomb clusters containing AN-M50 or AN-M54 incendiary bombs were used. MEC consisting of

unexploded AN-M54 incendiary bombs was observed on the ground surface during the SI field visit. Further evidence of MEC consisting of MD from M1A1 or M3 and M5 spotting charges used with M38A2 practice bombs, AN-M30 GP HE bombs, and AN-M54 four-lb incendiary bombs was observed during the SI. MD from M1A1 spotting charges, AN-M30 GP HE bombs, and AN-M50 four-lb incendiary bombs was reported on the range during previous USACE investigations.

The entire MRS is no longer under DoD control. Portions of the MRS are managed as part of the Cedar Butte Wilderness Study Area, and the land may be used for hunting. The remainder of the MRS is managed for cattle grazing by the BLM. A stone structure associated with Wood Road Lake and a wildlife watering system have been constructed at the site subsequent to military use. Aside from these two minor improvements, the land has not been disturbed since military use. The population density of the census block in which the MRS is located is 2.4 persons per square mile (ESRI, 2006). The population density of Bingham County is approximately 20.2 persons per square mile (U.S. Census, 2010). Field observations and review of a 2010 aerial photograph indicate there are no inhabited structures within 2 miles of the MRS. The MRS is situated in a remote location; however, there is no effective barrier to human access in place. The periodically experiences grass fires, and may be accessed by firefighters.

The M38A2 practice bomb itself is inert and is filled with sand. M1A1 and M3 spotting charges used with M38A2 100-lb practice bombs contain 3 lb of black powder and a 28-gauge blank shotgun shell. It is unlikely that a spotting charge would have remained intact since 1945 when use of the Bombing Range MRS ended and no intact spotting charges were observed during the SI; however, if found, an intact M1A1 or M3 spotting charge would present an explosive hazard. The M5 spotting charge consisted of a glass bottle with a fluid smoke mixture. M5 spotting charges used at the range would have broken upon impact with the ground, and no longer present an explosive hazard.

Fuzes used with GP HE bombs may be caused to function by being tampered with or by being struck (e.g., by farming equipment), detonating the HE filler. If found, an intact GP HE bomb would present an explosive hazard.

AN-M50 and AN-M54 four-lb incendiary bombs contain a 28-gauge shotgun shell and incendiary mixture. Intact incendiary bombs present a burning hazard. The AN-M50XA1, AN-M50XA2, AN-M54X, and AN-M54XA1 contain delayed detonation fuzes and therefore also present an explosive hazard.

Munitions containing HE and incendiary material, as well as practice munitions, are known to have been used at the Bombing Range No. 3 MRS. MEC consisting of unexploded AN-M54 incendiary bombs is known to be present at the former range; therefore, a MEC hazard is present. The MEC exposure pathway at the Bombing Range No. 3 MRS is complete.

1.4 MC Pathway Evaluation

This section provides an evaluation of the MC associated with the munitions formerly used at the range. Explosive compounds, metals (aluminum and barium), and semivolatile organic compounds (SVOCs) (anthracene and hexachloroethane) were identified as the potential MC of concern at the MRS. In addition, other constituents associated with former munitions activity that lack the potential for a significant release that would threaten human health or the environment are discussed below. An analysis of the exposure pathways and receptors for MC is provided in Diagram J-2.

1.4.1 Types of MC

M38A2 practice bombs were constructed of light sheet metal and contained sand ballast. The practice bomb itself was inert. The primary constituent of sheet metal (steel) is iron, which is a nonhazardous metal; carbon and silica are secondary constituents. Other metals that may be present in small quantities as alloying elements or impurities in steel include manganese, copper, nickel, aluminum, chromium, titanium, molybdenum, and lead. The sand ballast used in practice bombs consisted of quartz and other naturally occurring minerals.

The scattered nature of MD associated with bombing ranges, the use of steel sheet metal and naturally occurring sand ballast, and the limited quantity and mobility of potentially hazardous metals contained in steel indicate no significant accumulation of hazardous MC from the use of practice bombs.

M1A1 and M3 spotting charges present in 100-lb practice bombs contained 3 lb of black powder (potassium nitrate, sulfur, and charcoal). In the quantities associated with range activities, these constituents do not pose a threat to human health or the environment. The M3 spotting charge, sometimes used at snow-covered ranges, contained minute quantities of anthracene and hexachloroethane in the dark smoke filler. The potential release of anthracene and hexachloroethane was evaluated during the SI by analysis of surface soil and sediment samples.

M5 charges contained a mixture of sulfur trioxide and chlorosulfonic acid (FS per Army technology). When exposed to moisture, FS forms sulfuric acid and hydrochloric acid, which dissociate in water. The small potential quantities of FS associated with spotting charges would readily be neutralized and transformed in the environment and would pose no significant potential for MC impact.

AN-M30 GP HE bombs were constructed of sheet metal and contained HE filler. As noted above, the sheet metal comprising the body does not present a source of significant accumulation of hazardous MC. Approximately 50 percent of the complete weight of the round was its explosive filler, which typically consisted of Amatol (comprised of a mixture of ammonium nitrate and TNT); TNT; Tritonal (80 percent TNT and 20 percent aluminum powder); or Composition B (59.5 percent RDX, 39.5 percent TNT, and 1 percent wax). The potential release

of explosive compounds was evaluated during the SI by analysis of surface soil and sediment samples.

Fuzes used with AN-M30 GP HE bombs contained minute quantities of MC including perchlorate, various lead compounds, mercury-fulminate, black powder, silicon, barium, manganese, and sulfur. Given the minute quantities used, these MC do not present a potential source of significant accumulation of MC. Site media samples were not analyzed for MC associated with fuzes.

AN-M50 incendiary bombs are constructed of magnesium alloy with an iron nose plug. AN-M54 incendiary bombs are constructed of steel sheet metal. The magnesium and steel bodies do not present a source of significant accumulation of hazardous MC. Both weigh 3.5 lb and contain a first fire mixture of magnesium powder and barium chromate, as well as thermate (iron oxide, aluminum powder, barium nitrate, and sulfur). Approximately 20 percent of the bombs in the cluster would have been AN-M50XA1, AN-M50XA2, AN-M54X, and AN-M54XA1 delayed-detonation munitions. These munitions also contain black powder, and two of these contain small amounts of tetryl. The AN-M50XA2 contains three tetryl pellets in the nose, and the AN-M54XA1 contains a 36-g tetryl charge in the nose. Iron, magnesium, and sulfur are not CERCLA [Comprehensive Environmental Response, Compensation, and Liability Act] hazardous substances. The potential release of aluminum, barium, and tetryl was evaluated through analysis of soil and sediment samples during the SI.

Metals (lead, antimony, copper, and zinc), smokeless powder propellant, and tracer components (strontium, magnesium, and calcium) were present in general .50-caliber rounds. The highest concentrations of source metals from .50-caliber small arms munitions activity are anticipated where projectiles and/or cases have accumulated on the ground surface, e.g., under flight lines or in target areas. All of the.50-caliber MD items observed during the SI were isolated; no significant accumulations of MD were found. A potential source for a significant MC release from metals comprising .50-caliber ammunition was therefore not identified.

Perchlorate may have been present in some tracer compositions used with .50-caliber ammunition. The propellant used in .50-caliber cartridges consisted primarily of nitrocellulose. Small amounts of nitrogen-based explosive compounds, such as dinitrotoluene and nitroglycerine, were present in some formulations that may have been used. Some primers contained pentaerythritol tetranitrate in addition to metallic compounds. Very small amounts of perchlorate, propellant, and other energetic compounds discharged from aerial firing positions during the firing of .50-caliber ammunition would be widely dispersed and do not pose a potential for a significant release to the environment.

1.4.2 Soil Exposure Pathway

1.4.2.1 Sources of MC

Soil is the primary affected medium at the Bombing Range No. 3 MRS. MC at the MRS would originate from AN-M30 GP HE bombs, M3 spotting charges used with M38A2 practice bombs, and AN-M50 or AN-M54 incendiary bombs dropped on the ground surface. MC are expected to be the most concentrated near the center of the 649-acre MRS. No MC sampling had been conducted at the MRS prior to the SI.

1.4.2.2 Exposure Pathway

Site conditions within the bombing range have not changed appreciably since 1948 when the range was cleared and returned to BLM management. The land has been managed as a Wilderness Study Area and used for cattle grazing and has been minimally disturbed. Since DoD use, MC within site soils may have eroded via wind and water. The surface soil pathway was evaluated during the SI by collecting surface soil samples and analyzing the samples for metals (aluminum and barium), explosives, and SVOCs (anthracene and hexachloroethane). Metals detected in surface soils exceeded background concentrations; however, because they did not exceed three times the detected background concentrations, a release of metals was not established in surface soils at the MRS. Explosives and SVOCs were not detected in the surface soil samples. Therefore, an MC release was not established at the MRS.

1.4.2.3 Land Use and Access

Portions of the MRS are managed for ecological purposes as part of the Cedar Butte Wilderness Study Area. The remainder of the MRS is managed by the BLM for cattle grazing. The land may also be used for hunting. The MRS is located in a region that experiences grass fires, and firefighters may access the range in the event of a fire. Agricultural fencing is present in some places in the surrounding area, but there are no barriers in place preventing human access to the MRS. Land use is not expected to change in the foreseeable future.

1.4.2.4 Human Receptors

Human receptors include BLM workers, cattle ranchers, firefighters, and hunters. The potential routes of human exposure to contaminated soil are dermal contact, ingestion, and inhalation of soil particulates.

1.4.2.5 Human Health Assessment

Because an MC release was not established in surface soil at the MRS, the surface soil pathway for human exposure to MC is incomplete.

1.4.2.6 Ecological Assessment

Because an MC release was not established in surface soil at the MRS, the surface soil pathway for ecological exposure to MC is incomplete.

1.4.3 Surface Water/Sediment Pathway

1.4.3.1 Sources of MC

MC-impacted surface soils, if present within Pocatello Bombing Range No. 3, could migrate to Wood Road Lake. Wood Road Lake is an intermittent water body located near the center of the MRS. No MC sampling had been conducted at the MRS prior to the SI.

1.4.3.2 Migration Pathway

Migration of MC-impacted soils, if any were identified, could occur during storm events and snow melts that are intense enough to cause surface runoff to Wood Road Lake. There are no drainages within the MRS that would carry surface water away from the MRS and into the surrounding region. Because surface water is present for only short periods, sediment is the media most likely to accumulate MC and to present an exposure pathway. Therefore, the surface water/sediment pathway was evaluated during the SI by collecting a sediment sample from Wood Road Lake and analyzing the sample for metals (aluminum and barium), explosives, and SVOCs (anthracene and hexachloroethane). Metals detected in the sediment sample exceeded background concentrations; however, because they did not exceed three times the detected sediment background concentrations, a release of metals was not established in sediment at the MRS. Explosives and SVOCs were not detected in the sediment sample. Therefore, an MC release was not established in sediment at the MRS.

1.4.3.3 Surface Water Use and Access

Surface water in Wood Road Lake is likely used for stock watering when water is present. The lake also provides a water source for wildlife. The area does not support irrigated agriculture or a residential human population.

1.4.3.4 Human Receptors

Human receptors include BLM workers, cattle ranchers, firefighters, and hunters coming into contact with surface water or sediment in Wood Road Lake. The potential routes of human exposure to contaminated surface water or sediment are dermal contact, ingestion, and inhalation of sediment particulates.

1.4.3.5 Human Health Assessment

Because an MC release was not established in sediment at the MRS, the surface water/sediment pathway for human exposure to MC is incomplete.

1.4.3.6 Ecological Assessment

Because an MC release was not established in sediment at the MRS, the surface water/sediment pathway for ecological exposure to MC is incomplete.

1.4.4 Groundwater Pathway

The nearest downgradient groundwater well is approximately 2 miles from the target center. This well is completed to a depth of 160 ft in basalt interbedded with clay deposits (IDWR, 2010

and 2011) and is listed as a domestic well but does not appear to support a residential structure. In addition, SI sampling indicates there has been no MC release in surface soil or sediment at the MRS. Based on these factors, the groundwater pathway for human exposure to MC is considered to be incomplete.

1.4.5 Air Pathway

Inhalation of MC in vapor form is not a pathway for non-volatile or semivolatile MC under normal environmental conditions. Potential inhalation of soil particulates is considered in the development of health-based screening values for soil. An MC release was not established in surface soil at the MRS. For these reasons the air pathway is considered to be incomplete.

1.5 Summary

1.5.1 Presence of MEC

MEC consisting of unexploded AN-M54 incendiary bomblets is present at the MRS, as observed during the SI. In addition, evidence of MEC consisting of craters from HE detonations as well as MD from M1A1 or M3 spotting charges used with M38A2 practice bombs, AN-M30 GP HE bombs, and AN-M54 incendiary bombs is present at the MRS. MD from AN-M50 incendiary bombs was reported by the ASR field team, but was not observed during the SI. A MEC hazard is present at the MRS. The MEC exposure pathway is complete.

1.5.2 Presence of MC

Based on the results of surface soil and sediment sampling conducted during the SI, there has been no MC release at the MRS. All pathways for human and ecological exposure to MC are incomplete.

2.0 References

Department of Defense (DoD). 2010. *Defense Environmental Programs Annual Report to Congress Fiscal Year 2010, Munitions Response Site (MRS) Inventory*. Website: http://deparc.xservices.com/do/mmrp.

Environmental Systems Research Institute (ESRI). 2006. StreetMap 2006 database distributed with ArcGIS software. ESRI, 380 New York Street, Redlands, California. Website: http://www.esri.com/.

Idaho Department of Water Resources (IDWR). 2010. *GIS Data*. Online database of recorded wells within the state of Idaho. Website: http://www.idwr.idaho.gov/gisdata/gis_data.htm. Queried August 2010.

Idaho Department of Water Resources (IDWR). 2011. Well Driller Reports (Logs). Website: http://www.idwr.idaho.gov/WaterManagement/WellInformation/DrillerReports/dr_default.htm. Queried January 2011.

U.S. Army Corps of Engineers (USACE). 1988. *DERP-FUDS, Inventory Project Report for Pocatello Bombing Range No. 3, Taber, Idaho, Project No. F10ID012800.* June 1988.

U.S. Army Corps of Engineers (USACE). 2003. *Archives Search Report, Pocatello Bombing Range #3, Bingham County, Idaho.* April 2003.

U.S. Army Corps of Engineers (USACE). 2004. *ASR Supplement, Pocatello Bombing Range #3, Bingham County, Idaho.* November 2004.

U.S. Army Corps of Engineers (USACE). 2006. *Screening-Level Ecological Risk Assessments for FUDS MMRP Site Inspections*. Prepared by USACE HTRW CX. August 11, 2006.

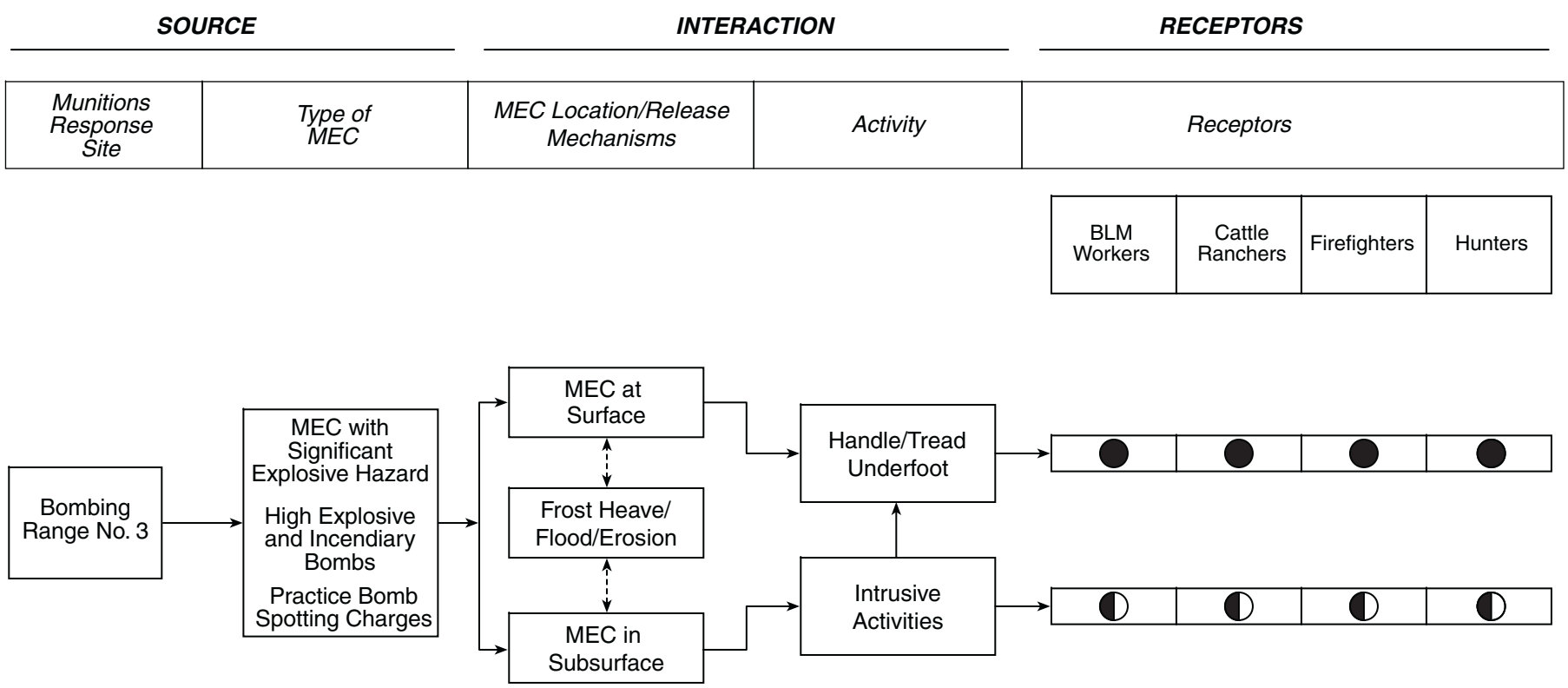
U.S. Census. 2010. Website: http://quickfacts.census.gov. Queried January 2011.

U.S. Department of Agriculture (USDA). 2008. *Natural Resources Conservation Service, Web Soil Survey of the National Cooperative Soil Survey*. Interactive online database. Website: http://websoilsurvey.nrcs.usda.gov/app/. Soil Maps and Soil Data dated January 29, 2008. Queried January 2011.

U.S. Environmental Protection Agency (EPA). 1997. *Ecological Risk Assessment Guidance for Superfund: Process for Designing and Conducting Ecologic I Risk Assessments* (ERAGS). USEPA/540/R-97/006, OSWER Directive # 9285.7-25. June 1997.

U.S. Environmental Protection Agency (EPA). 2011. *Safe Drinking Water Information System*. Website: http://www.epa.gov/enviro/html/sdwis/sdwis_query.html. Queried January 2011.

United States Geological Survey (USGS). 2006. *Scientific Investigations Report 2006-5122: Figure 3. Direction of regional ground-water flow, discharge areas, and irrigated acreage, eastern Snake River Plain, Idaho*. Ackerman, D.J., G.W. Rattray, J.P. Rousseau, L.C. Davis, and B.R. Orr. Website: http://pubs.usgs.gov/sir/2006/5122/. Queried January 2009.

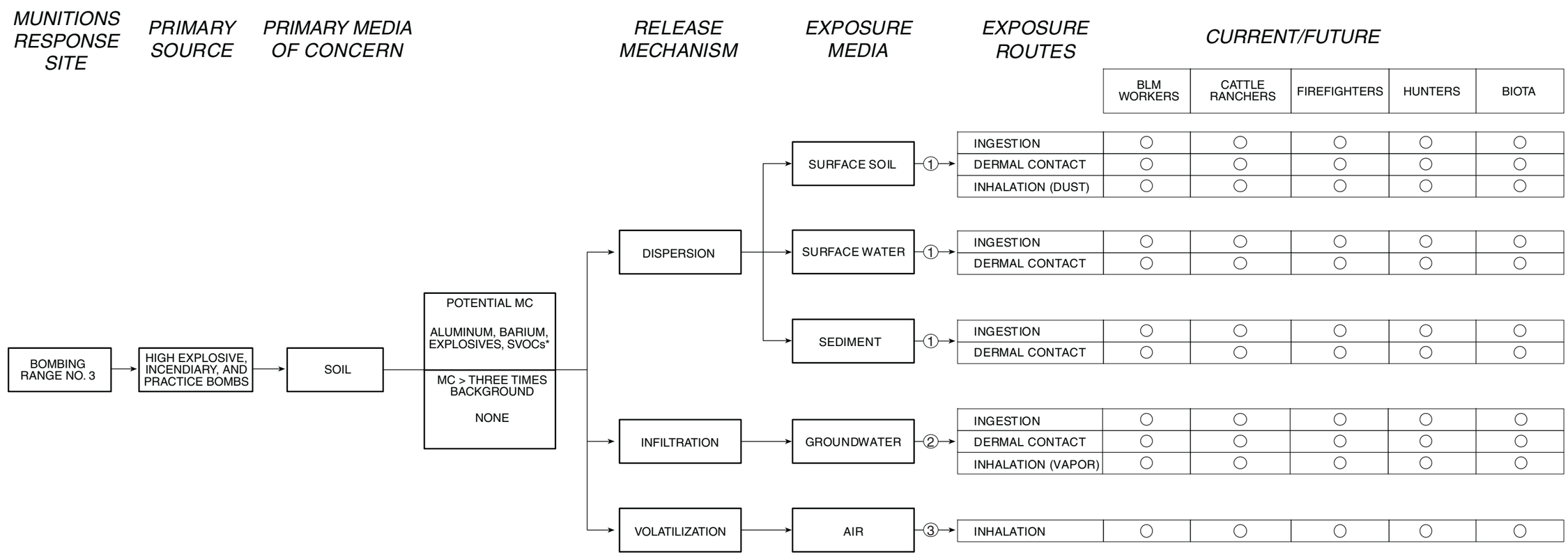


- ● Complete Pathway
- ◐ Potentially Complete Pathway
- ○ Incomplete Pathway
- (#) Pathway Not Present; rationale explained in numbered footnote

Diagram J-1
MEC Exposure Pathway Analysis
Pocatello Bombing Range No. 3
Bombing Range No. 3 MRS

Shaw® Shaw Environmental, Inc.

DRAWING BY	JIS, III	CHECKED BY			DRAWING NO.
	2/8/12	APPROVED BY			S-116188-5/11-w



*The semivolitile organic compounds (SVOCs) anthracene and hexachloroethane are MC.

① Results of surface soil and sediment sampling conducted during the SI indicate no MC release at the MRS.

② Nearest groundwater well is ~2 miles from the MRS center and depth to groundwater is ~160 ft below ground surface.

③ Volatile MC are not present.

● Complete Pathway
◐ Potentially Complete Pathway
○ Incomplete Pathway
(#) Pathway Not Present; rationale explained in numbered footnote

Shaw Environmental, Inc.

Diagram J-2
MC Exposure Pathway Analysis
Pocatello Bombing Range No. 3
Bombing Range No. 3 MRS

DRAWING NO. S-116188-5/11-w
CHECKED BY
APPROVED BY
JIS, III
3/14/12
DRAWING BY

Appendix K
Munitions Response Site Prioritization Protocol Evaluations

The MRSPP is final pending U.S. Army Corps of Engineers Military Munitions Center of Expertise Quality Assurance and Office of the Secretary of Defense Quality Assurance.

Table A

MRS Background Information

DIRECTIONS: Record the background information below for the MRS to be evaluated. Much of this information is available from Service and DoD databases. If the MRS is located on a FUDS property, the suitable FUDS property information should be substituted. In the MRS summary, briefly describe the UXO, DMM, or MC that are known or suspected to be present, the exposure setting (the MRS's physical environment), any other incidental nonmunitions-related contaminants (e.g., benzene, trichloroethylene) found at the MRS, and any potentially exposed human and ecological receptors. If possible, include a map of the MRS.

Munitions Response Site Name: Bombing Range No. 3 (F10ID012801R01)

Component: U.S. Army

Installation/Property Name: Pocatello Bombing Range No. 3 (FFID ID9799F3033)

Location (City, County, State): Taber, Bingham County, Idaho

Site Name/Project Name (Project No.): Pocatello Bombing Range No. 3 (F10ID0128)

Date Information Entered/Updated: 7/25/2012 9:22:06 AM

Point of Contact (Name/Phone): Rodney Taie/206.764.3498

Project Phase (check only one):

o PA	n SI	o RI	o FS	o RD
o RA-C	o RIP	o RA-O	o RC	o LTM

Media Evaluated (check all that apply):

o Groundwater	n Sediment (human receptor)
n Surface soil	o Surface Water (ecological receptor)
n Sediment (ecological receptor)	o Surface Water (human receptor)

MRS Summary:

MRS Description: Describe the munitions-related activities that occurred at the installation, the dates of operation, and the UXO, DMM or MC known or suspected to be present. When possible, identify munitions, CWM, and MC by type:

The Bombing Range No. 3 MRS was used as an incendiary and demolition bombing range by crews assigned to the Pocatello Army Air Base from approximately October 1943 to May 1947. Based on historical evidence and physical observations made during the SI, the munitions used at the range were M38A2 practice bombs with M1A1 or M3 spotting charges; AN-M30 100-pound (lb) general purpose (GP) high explosive (HE) bombs; AN-M54 incendiary bombs; AN-M50 incendiary bombs; and .50-caliber cartridges (2012 SI Report, Section 2.2). MEC consisting of AN-M54 incendiary bomblets is known to be present at the MRS (2012 SI Report, Section 4.3.3). Other potential MEC are spotting charges and GP HE bombs (2012 SI Report, Section 4.3.3). The potential MC addressed during the SI were explosives, aluminum, barium, anthracene, and hexachloroethane. No MC release was established based on the results of SI sampling (2012 SI Report, Section 4.4).
Coordination with stakeholders was conducted during the 1st and 2nd Technical Project Planning meetings (2012 SI Report, Sections 3.1 and 3.8; Appendix B). As per MRSPP requirements, a public notice was issued (2012 SI Report, Section 3.9; Appendix C).

Description of Pathways for Human and Ecological Receptors:

Surface soil and subsurface soil are the potential pathways for human exposure to MEC (2012 SI Report, Appendix J). Because an MC release was not established based on the results of SI sampling, all MC exposure pathways are incomplete (2012 SI Report, Appendix J).
Description of Receptors (Human and Ecological):
Potential human receptors at the MRS are BLM workers, cattle ranchers, firefighters, and hunters (2012 SI Report, Section 4.3.3). Potential ecological receptors are wildlife associated with the Cedar Butte Wilderness Study Area and Wood Road Lake; however, no MC release has been established at the MRS (2012 SI Report, Section 2.4.3 and 4.4).

Table 1

EHE Module: Munitions Type Data Element Table

DIRECTIONS: Below are 11 classifications of munitions and their descriptions. Circle the scores that correspond with **all** the munitions types known or suspected to be present at the MRS.

Note: The terms practice munitions, small arms ammunition, physical evidence, and historical evidence are defined in Appendix C of the Primer.

Classification	Description	Score
Sensitive	u UXO that are considered likely to function upon any interaction with exposed persons (e.g., submunitions, 40mm high-explosive [HE] grenades, white phosphorus [WP] munitions, high-explosive antitank [HEAT] munitions, and practice munitions with sensitive fuzes, but excluding all other practice munitions). u Hand grenades containing energetic filler. u Bulk primary explosives, or mixtures of these with environmental media, such that the mixture poses an explosive hazardard.	30
High explosive (used or damaged)	u UXO containing a high-explosive filler (e.g., RDX, Composition B), that are not considered "sensitive." u DMM containing a high-explosive filler that have: n Been damaged by burning or detonation n Deteriorated to the point of instability.	*25*
Pyrotechnic (used or damaged)	u UXO containing a pyrotechnic fillers other than white phosphorous (e.g., flares, signals, simulators, smoke grenades). u DMM containing pyrotechnic fillers other than white phosphorous (e.g., flares, signals, simulators, smoke grenades) that have: n Been damaged by burning or detonation n Deteriorated to the point of instability.	*20*
High explosive (unused)	u DMM containing a high explosive filler that: n Have not been damaged by burning or detonation n Are not deteriorated to the point of instability.	15
Propellant	u UXO containing mostly single-, double-, or triple-based propellant, or composite propellants (e.g., a rocket motor). u DMM containing mostly single-, double-, or triple-based propellant, or composite propellants (e.g., a rocket motor) that are: n Damaged by burning or detonation n Deteriorated to the point of instability.	15
Bulk secondary high explosives, pyrothechnics, or propellant	u DMM containing mostly single-, double-, or triple-based propellant, or composite propellants (e.g., a rocket motor). u DMM that are bulk secondary high explosives, pyrotechnic compositions, or propellant (not contained in a munition), or mixtures of these with environmental media such that the mixture poses an explosive hazard.	10
Pyrotechnic (not used or damaged)	u DMM containing a pyrotechnic fillers (i.e., red phosphorous), other than white phosphorous filler, that: n Have not been damaged by burning or detonation n Are not deteriorated to the point of instability.	10
Practice	u UXO that are practice munitions that are not associated with a sensitive fuze. u DMM that are practice munitions that are not associated with a sensitive fuze and that have not: n Been damaged by burning or detonation n Deteriorated to the point of instability.	*5*
Riot control	u UXO or DMM containing a riot control agent filler (e.g., tear gas).	3
Small arms	u Used munitions or DMM that are categorized as small arms ammunition [Physical evidence or historical evidence that no other types of munitions (e.g., grenades, subcaliber training rockets, demolition charges) were used or are present on the MRS is required for selection of this category.].	*2*
Evidence of no munitions	u Following investigation of the MRS, there is physical evidence that there are no UXO or DMM present, or there is historical evidence indicating that no UXO or DMM are present.	0
MUNITIONS TYPE	**DIRECTIONS:** Record **the single highest score** from above in the box to the right (maximum score = 30).	*25*

DIRECTIONS: Document any MRS-specific data used in selecting the ***Munitions Type*** classifications in the space provided.

Table 1 Comments: Based on historical information and observations made during the SI reconnaissance, the munitions used at the Bombing Range No. 3 MRS included AN-M30 100-lb GP HE bombs, AN-M54 4-lb incendiary bombs, AN-M50 4-lb incendiary bombs, M38A2 100-lb practice bombs with M1A1 or M3 spotting charges, and .50-caliber small arms ammunition (2012 SI Report, Section 2.2).

Table 2

EHE Module: Source of Hazard Data Element Table

DIRECTIONS: Below are 11 classifications describing sources of explosive hazards. Circle the scores that correspond with **all** the sources of explosive hazards known or suspected to be present at the MRS.

Note: The terms former range, practice munitions, small arms range, physical evidence, and historical evidence are defined in Appendix C of the Primer.

Classification	Description	Score
Former range	u The MRS is a former military range where munitions (including practice munitions with sensitive fuzes) have been used. Such areas include impact or target areas and associated buffer and safety zones.	*10*
Former munitions treatment (i.e., OB/OD) unit	u The MRS is a location where UXO or DMM (e.g., munitions, bulk explosives, bulk pyrotechnic, or bulk propellants) were burned or detonated for the purpose of treatment prior to disposal.	8
Former practice munitions range	u The MRS is a former military range on which only practice munitions without sensitive fuzes were used.	6
Former maneuver area	u The MRS is a former maneuver area where no munitions other than flares, simulators, smokes, and blanks were used. There must be evidence that no other munitions were used at the location to place an MRS into this category.	5
Former burial pit or other disposal area	u The MRS is a location where DMM were buried or disposed of (e.g., disposed of into a water body) without prior thermal treatment.	5
Former industrial operating facilities	u The MRS is a location that is a former munitions maintenance, manufacturing, or demilitarization facility.	4
Former firing points	u The MRS is a firing point, where the firing point is delineated as an MRS separate from the rest of a former military range.	4
Former missile or air defense artillery emplacements	u The MRS is a former missile defense or air defense artillery (ADA) emplacement not associated with a military range.	2
Former storage or transfer points	u The MRS is a location where munitions were stored or handled for transfer between different modes of transportation (e.g., rail to truck, truck to weapon system).	2
Former small arms range	u The MRS is a former military range where only small arms ammunition was used. (There must be evidence that no other types of munitions [e.g., grenades] were used or are present to place an MRS into this category.)	1
Evidence of no munitions	u Following investigation of the MRS, there is physical evidence that no UXO or DMM are present, or there is historical evidence indicating that no UXO or DMM are present.	0
SOURCE OF HAZARD	**DIRECTIONS:** Record **the single highest score** from above in the box to the right (maximum score = 10).	*10*

DIRECTIONS: Document any MRS-specific data used in selecting the ***Source of Hazard*** classifications in the space provided.

Table 2 Comments: The MRS is a former demolition and incendiary bombing range where physical evidence indicates the use of GP HE munitions, incendiary munitions, practice munitions, and small arms munitions (2012 SI Report, Sections 2.1 and 2.2).

Table 3

EHE Module: Location of Munitions Data Element Table

DIRECTIONS: Below are eight classifications of munitions locations and their descriptions. Circle the scores that correspond with **all** the locations where munitions are known or suspected to be present at the MRS.

Note: The terms confirmed, surface, subsurface, small arms ammunition, physical evidence, and historical evidence are defined in Appendix C of the Primer.

Classification	Description	Score
Confirmed surface	u Physical evidence indicates that there are UXO or DMM on the surface of the MRS. u Historical evidence (i.e., a confirmed report such as an explosive ordnance disposal [EOD], police, or fire department report that an incident or accident that involved UXO	*25*
Confirmed subsurface, active	u Physical evidence indicates the presence of UXO or DMM in the subsurface of the MRS,and the geological conditions at the MRS are likely to cause UXO or DMM to be exposed, in the future, by naturally occurring phenomena (e.g., drought, flooding, erosion, frost heave, tidal action), or intrusive activities (e.g., plowing, construction, dredging) at the MRS are likely to expose UXO or DMM. u Historical evidence indicates that UXO or DMM are located in the subsurface of the MRS and the geological conditions at the MRS are likely to cause UXO or DMM to be exposed, in the future, by naturally occurring phenomena (e.g., drought, flooding, erosion, frost heave, tidal action), or intrusive activities (e.g., plowing, construction, dredging) at the MRS are likely to expose UXO or DMM.	20
Confirmed subsurface, stable	u Physical evidence indicates the presence of UXO or DMM in the subsurface of the MRS and the geological conditions at the MRS are not likely to cause UXO or DMM to be exposed, in the future, by naturally occurring phenomena, or intrusive activities at the MRS are not likely to cause UXO or DMM to be exposed. u Historical evidence indicates that UXO or DMM are located in the subsurface of the MRS and the geological conditions at the MRS are not likely to cause UXO or DMM to be exposed, in the future, by naturally occurring phenomena, or intrusive activities at the MRS are not likely to cause UXO or DMM to be exposed.	15
Suspected (physical evidence)	u There is physical evidence (e.g., munitions debris, such fragments, penetrators, projectiles, shell casings, links, fins), other than the documented presence of UXO or DMM, indicating that UXO or DMM may be present at the MRS.	*10*
Suspected (historical evidence)	u There is historical evidence indicating that UXO or DMM may be present at the MRS.	*5*
Subsurface, physical constraint	u There is physical or historical evidence indicating that UXO or DMM may be present in the subsurface, but there is a physical constraint (e.g., pavement, water depth over 120 feet) preventing direct access to the UXO or DMM.	2
Small arms (regardless of location)	u The presence of small arms ammunition is confirmed or suspected, regardless of other factors such as geological stability (There must be evidence that no other types of munitions [e.g., grenades] were used or are present at the MRS to place an MRS into this category.)	*1*
Evidence of no munitions	u Following investigation of the MRS, there is physical evidence that there are no UXO or DMM present, or there is historical evidence indicating that no UXO or DMM are present.	0
LOCATION OF MUNITIONS	**DIRECTIONS:** Record **the single highest score** from above in the box to the right (maximum score = 25).	*25*

DIRECTIONS: Document any MRS-specific data used in selecting the ***Location of Munitions*** classifications in the space provided.

Table 3 Comments: MEC consisting of unexpended AN-M54 4-lb incendiary bombs was observed on the ground surface during the SI reconnaissance (2012 SI Report, Section 4.3.2). Based on historical information and observations made during the SI reconnaissance, there is evidence of MEC consisting of craters from HE detonations as well as MD from AN-M30 100-lb GP HE bombs, AN-M54 4-lb incendiary bombs, AN-M50 4-lb incendiary bombs, and M38A2 100-lb practice bombs with M1A1 or M3 spotting charges (2012 SI Report, Sections 2.2 and 4.3.2). MD from .50-caliber small arms ammunition was also observed during the SI (2012 SI Report, Sections 2.2 and 4.3.2).

Table 4

EHE Module: Ease of Access Data Element Table

DIRECTIONS: Below are four classifications of barrier types that can surround an MRS and their descriptions. The barrier type is directly related to the ease of public access to the MRS. Circle the score that corresponds with the ease of access to the MRS.

Note: The term barrier is defined in Appendix C of the Primer.

Classification	Description	Score
No barrier	u There is no barrier preventing access to any part of the MRS (i.e., all parts of the MRS are accessible).	*10*
Barrier to MRS access is incomplete	u There is a barrier preventing access to parts of the MRS, but not the entire MRS.	8
Barrier to MRS access is complete but not monitored	u There is a barrier preventing access to all parts of the MRS, but there is no surveillance (e.g., by a guard) to ensure that the barrier is effectively preventing access to all parts of the MRS.	5
Barrier to MRS access is complete and monitored	u There is a barrier preventing access to all parts of the MRS, and there is active, continual surveillance (e.g., by a guard, video monitoring) to ensure that the barrier is effectively preventing access to all parts of the MRS.	0
EASE OF ACCESS	**DIRECTIONS:** Record **the single highest score** from above in the box to the right (maximum score = 10).	*10*

DIRECTIONS: Document any MRS-specific data used in selecting the ***Ease of Access*** classifications in the space provided.

Table 4 Comments: Although agricultural fencing is present in some parts of the surrounding area, there are no effective barriers in place preventing human access to any portion of the MRS (2012 SI Report, Section 2.5.2).

Table 5

EHE Module: Status of Property Data Element Table

DIRECTIONS: Below are three classifications of the status of a property within the Department of Defense (DoD) and their descriptions. Circle the score that corresponds with the status of property at the MRS.

Classification	Description	Score
Non-DoD control	u The MRS is at a location that is no longer owned by, leased to, or otherwise possessed or used by DoD. Examples are privately owned land or water bodies; land or water bodies owned or controlled by state, tribal, or local governments; and land or water bodies managed by other federal agencies.	*5*
Scheduled for transfer from DoD control	u The MRS is on land or is a water body that is owned, leased, or otherwise possessed by DoD, and DoD plans to transfer that land or water body to the control of another entity (e.g., a state, tribal, or local government; a private party; another federal agency) within 3 years from the date the Protocol is applied.	3
DoD control	u The MRS is on land or is a water body that is owned, leased, or otherwise possessed by DoD. With respect to property that is leased or otherwise possessed, DoD must control access to the MRS 24 hours per day, every day of the calendar year.	0
STATUS OF PROPERTY	**DIRECTIONS:** Record **the single highest score** from above in the box to the right (maximum score = 5).	*5*

DIRECTIONS: Document any MRS-specific data used in selecting the ***Status of Property*** classifications in the space provided.

Table 5 Comments: The entire MRS consists of federal lands managed by the Bureau of Land Management (BLM). The MRS is no longer under DoD control (2012 SI Report, Section 2.3).

Table 6

EHE Module: Population Density Data Element Table

DIRECTIONS: Below are three classifications for population density and their descriptions. Determine the population density per square mile that most closely corresponds with the population of the MRS, including the area within a two-mile radius of the MRS's perimeter. Circle the most appropriate score.

Note: Note: Use the U.S. Census Bureau tract data available to capture the highest population density within a two-mile radius of the perimeter of the MRS.

Classification	Description	Score
> 500 persons per square mile	u There are more than 500 persons per square mile in the U.S. Census Bureau tract in which the MRS is located.	5
100–500 persons per square mile	u There are 100 to 500 persons per square mile in the U.S. Census Bureau tract in which the MRS is located.	3
< 100 persons per square mile	u There are fewer than 100 persons per square mile in the U.S. Census Bureau tract in which the MRS is located.	*1*
POPULATION DENSITY	**DIRECTIONS:** Record **the single highest score** from above in the box to the right (maximum score = 5).	*1*

DIRECTIONS: Document any MRS-specific data used in selecting the ***Population Density*** classifications in the space provided.

Table 6 Comments: The census block in which the MRS is located has a population density of 2.4 persons per square mile (2012 SI Report, Section 2.5.1).

Table 7

EHE Module: Population Near Hazard Data Element Table

DIRECTIONS: Below are six classifications describing the number of inhabited structures near the MRS. The number of inhabited buildings relates to the potential population near the MRS. Determine the number of inhabited structures within two miles of the MRS boundary and select the score that corresponds with the number of inhabited structures.

Note: The term inhabited structures is defined in Appendix C of the Primer.

Classification	Description	Score
26 or more inhabited structures	▪ There are 26 or more inhabited structures located up to 2 miles from the boundary of the MRS, within the boundary of the MRS, or both.	5
16 to 25 inhabited structures	▪ There are 16 to 25 inhabited structures located up to 2 miles from the boundary of the MRS, within the boundary of the MRS, or both.	4
11 to 15 inhabited structures	▪ There are 11 to 15 inhabited structures located up to 2 miles from the boundary of the MRS, within the boundary of the MRS, or both.	3
6 to 10 inhabited structures	▪ There are 6 to 10 inhabited structures located up to 2 miles from the boundary of the MRS, within the boundary of the MRS, or both.	2
1 to 5 inhabited structures	▪ There are 1 to 5 inhabited structures located up to 2 miles from the boundary of the MRS, within the boundary of the MRS, or both.	1
0 inhabited structures	▪ There are no inhabited structures located up to 2 miles from the boundary of the MRS, within the boundary of the MRS, or both.	*0*
POPULATION NEAR HAZARD	**DIRECTIONS:** Record **the single highest score** from above in the box to the right (maximum score = 5).	*0*

DIRECTIONS: Document any MRS-specific data used in selecting the ***Population Near Hazard*** classifications in the space provided.

Table 7 Comments: Based on review of a 2010 aerial photograph and observations made during the SI field activities, there are no individuals residing within the MRS or within a 2-mile radius of the MRS (2012 SI Report, Section 2.5.1).

Table 8

EHE Module: Types of Activities/Structures Data Element Table

DIRECTIONS: Below are five classifications of activities and/or inhabited structures and their descriptions. Review the types of activities that occur and/or structures that are present withinn two miles of the MRS and circle the scores that correspond with **all** the activities/structures classifications at the MRS.

Note: The term inhabited structure is defined in Appendix C of the Primer.

Classification	Description	Score
Residential, educational, commercial, or subsistence	u Activities are conducted, or inhabited structures are located up to two miles from the MRS's boundary or within the MRS's boundary, that are associated with any of the following purposes: residential, educational, child care, critical assets (e.g., hospitals, fire and rescue, police stations, dams), hotels, commercial, shopping centers, playgrounds, community gathering areas, religious sites, or sites used for subsistence hunting, fishing, and gathering.	5
Parks and recreational areas	u Activities are conducted, or inhabited structures are located up to two miles from the MRS's boundary or within the MRS's boundary, that are associated with parks, nature preserves, or other recreational uses.	*4*
Agricultural, forestry	u Activities are conducted, or inhabited structures are located up to two miles from the MRS's boundary or within the MRS's boundary, that are associated with agriculture or forestry.	*3*
Industrial or warehousing	u Activities are conducted, or inhabited structures are located up to two miles from the MRS's boundary or within the MRS's boundary, that are associated with industrial activities or warehousing.	2
No known or recurring activities	u There are no known or recurring activities occurring up to two miles from the MRS's boundary or within the MRS's boundary.	1
TYPES OF ACTIVITIES/STRUCTURES	**DIRECTIONS:** Record **the single highest score** from above in the box to the right (maximum score = 5).	***4***

DIRECTIONS: Document any MRS-specific data used in selecting the ***Types of Activities/Structures*** classifications in the space provided.

Table 8 Comments: A portion of the MRS is managed as part of the Cedar Butte Wilderness Study Area. The remainder of the land within the MRS is used for cattle grazing. The land may also be used for hunting, as evidenced by hunters observed in the surrounding area during the SI reconnaissance, but recreational use is reportedly low in the area near the MRS (2012 SI Report, Section 2.5.2).

Table 9

EHE Module: Ecological and/or Cultural Resources Data Element Table

DIRECTIONS: Below are four classifications of ecological and/or cultural resources and their descriptions. Review the types of resources present and circle the score that corresponds with the ecological and/or cultural resources present on the MRS.

Note: The terms ecological resources and cultural resources are defined in Appendix C of the Primer.

Classification	Description	Score
Ecological and cultural resources present	u There are both ecological and cultural resources present on the MRS.	*5*
Ecological resources present	u There are ecological resources present on the MRS.	3
Cultural resources present	u There are cultural resources present on the MRS.	3
No ecological or cultural resources present	u There are no ecological resources or cultural resources present on the MRS.	0
ECOLOGICAL AND/OR CULTURAL RESOURCES	**DIRECTIONS:** Record **the single highest score** from above in the box to the right (maximum score = 5).	*5*

DIRECTIONS: Document any MRS-specific data used in selecting the ***Ecological and/or Cultural Resources*** classifications in the space provided.

Table 9 Comments: Portions of the MRS are managed for ecological purposes as part of the Cedar Butte Wilderness Study Area. In addition, the MRS contains an Important Ecological Place based on the presence of mapped wetlands at Wood Road Lake (2012 SI Report, Section 2.4.3). The Idaho State Historic Preservation Office identified two cultural resources within the MRS (2012 SI Report, Section 3.2.1).

Table 10
Determining the EHE Module Rating

DIRECTIONS:

1. From Tables 1–9, record the data element scores in the **Score** boxes to the right.
2. Add the **Score** boxes for each of the three factors and record this number in the **Value** boxes to the right.
3. Add the three **Value** boxes and record this number in the **EHE Module Total** box below.
4. Circle the appropriate range for the **EHE Module Total** below.
5. Circle the **EHE Module Rating** that corresponds to the range selected and record this value in the **EHE Module Rating** box found at the bottom of the table.

Note:
An alternative module rating may be assigned when a module letter rating is inappropriate. An alternative module rating is used when more information is needed to score one or more data elements, contamination at an MRS was previously addressed, or there is no reason to suspect contamination was ever present at an MRS.

	Source	Score	Value
Explosive Hazard Factor Data Elements			
Munitions Type	Table 1	25	35
Source of Hazard	Table 2	10	
Accessibility Factor Data Elements			
Location of Munitions	Table 3	25	40
Ease of Access	Table 4	10	
Status of Property	Table 5	5	
Receptor Factor Data Elements			
Population Density	Table 6	1	10
Population Near Hazard	Table 7	0	
Types of Activities/ Structures	Table 8	4	
Ecological and /or Cultural Resources	Table 9	5	
EHE MODULE TOTAL			*85*

EHE Module Total	EHE Module Rating
92 to 100	A
82 to 91	*B*
71 to 81	C
60 to 70	D
48 to 59	E
38 to 47	F
less than 38	G
Alternative Module Ratings	Evaluation Pending
	No Longer Required
	No Known or Suspected Explosive Hazard
EHE MODULE RATING	*B*

Table 11

CHE Module: CWM Configuration Data Element Table

DIRECTIONS: Below are seven classifications of CWM configuration and their descriptions. Circle the scores that correspond to **all** the CWM configurations known or suspected to be present at the MRS.

Note: The terms CWM/UXO, CWM/DMM, physical evidence, and historical evidence are defined in Appendix C of the Primer.

Classification	Description	Score
CWM, that are either UXO, or explosively configured damaged DMM	The CWM known or suspected of being present at the MRS is: ▪ CWM that are UXO (i.e., CWM/UXO). ▪ Explosively configured CWM that are DMM (i.e., CWM/DMM) that have been damaged.	30
CWM mixed with UXO	▪ The CWM known or suspected of being present at the MRS are undamaged CWM/DMM or CWM not configured as a munition that are commingled with conventional munitions that are UXO.	25
CWM, explosive configuration that are undamaged DMM	▪ The CWM known or suspected of being present at the MRS are explosively configured CWM/DMM that have not been damaged.	20
CWM/DMM, not explosively configured or CWM, bulk container	The CWM known or suspected of being present at the MRS is: ▪ Nonexplosively configured CWM/DMM either damaged or undamaged ▪ Bulk CWM (e.g., ton container).	15
CAIS K941 and CAIS K942	▪ The CWM/DMM known or suspected of being present at the MRS is CAIS K941-toxic gas set M-1 or CAIS K942-toxic gas set M-2/E11.	12
CAIS (chemical agent identification sets)	▪ CAIS, other than CAIS K941 and K942, are known or suspected of being present at the MRS.	10
Evidence of no CWM	▪ Following investigation, the physical evidence indicates that CWM are not present at the MRS, or the historical evidence indicates that CWM are not present at the MRS.	*0*
CWM CONFIGURATION	**DIRECTIONS:** Record **the single highest score** from above in the box to the right (maximum score = 30).	*0*

DIRECTIONS: Document any MRS-specific data used in selecting the ***CWM Configuration*** classifications in the space provided.

Table 11 Comments: During the archive search conducted by USACE in 2003, no indication was found that any Army Air Corps personnel conducted CWM training, storage, or disposal activities at Pocatello Bombing Range No. 3. In addition, no indication was found that chemical spray missions occurred at Pocatello Bombing Range No. 3 (2012 SI Report, Section 2.1).

Tables 12 through 19 are intentionally omitted in accordance with Army guidance.

Table 20

Determining the CHE Module Rating

DIRECTIONS:

1. From Tables 11–19, record the data element scores in the **Score** boxes to the right.
2. Add the **Score** boxes for each of the three factors and record this number in the **Value** boxes to the right.
3. Add the three **Value** boxes and record this number in the **CHE Module Total** box below.
4. Circle the appropriate range for the **CHE Module Total** below.
5. Circle the **CHE Module Rating** that corresponds to the range selected and record this value in the **CHE Module Rating** box found at the bottom of the table.

Note:
An alternative module rating may be assigned when a module letter rating is inappropriate. An alternative module rating is used when more information is needed to score one or more data elements, contamination at an MRS was previously addressed, or there is no reason to suspect contamination was ever present at an MRS.

	Source	Score	Value
CWM Hazard Factor Data Elements			
CWM Configuration	Table 11	0	0
Sources of CWM	Table 12		
Accessibility Factor Data Elements			
Location of CWM	Table 13		0
Ease of Access	Table 14		
Status of Property	Table 15		
Receptor Factor Data Elements			
Population Density	Table 16		0
Population Near Hazard	Table 17		
Types of Activities/ Structures	Table 18		
Ecological and /or Cultural Resources	Table 19		
CHE MODULE TOTAL			*0*

CHE Module Total	CHE Module Rating
92 to 100	A
82 to 91	B
71 to 81	C
60 to 70	D
48 to 59	E
38 to 47	F
less than 38	G
Alternative Module Ratings	Evaluation Pending
	No Longer Required
	No Known or Suspected CWM Hazard
CHE MODULE RATING	***No Known or Suspected CWM Hazard***

Table 21

HHE Module: Groundwater Data Element Table

Contaminant Hazard Factor (CHF)

DIRECTIONS: Record the maximum concentrations of all contaminants in the MRS's groundwater and their comparison values (from Appendix B of the Primer) in the table below. Additional contaminants can be recorded on Table 27. Calculate and record the ratios for each contaminant by dividing the maximum concentration by the comparison value. Determine the CHF by adding the contaminant ratios together, including any additional groundwater contaminants recorded on Table 27. Based on the CHF, use the CHF Scale to determine and display the CHF Value. If there is no known or suspected MC hazard present in the groundwater, select the box at the bottom of the table.

Note: Use dissolved, rather than total, metals analyses when both are available.

Contaminant	Maximum Concentration	Comparison Value	Unit	Ratios

CHF Scale	CHF Value	Sum The Ratios
CHF > 100	H (High)	$CHF = \sum \frac{\text{[Maximum Concentration of Contaminant]}}{\text{[Comparison Value for Contaminant]}}$
100 > CHF > 2	M (Medium)	
2 > CHF	L (Low)	

CONTAMINANT HAZARD FACTOR	**DIRECTIONS:** Record **the CHF Value** from above in the box to the right (maximum value = H).	

Migratory Pathway Factor

DIRECTIONS: Circle the value that corresponds most closely to the groundwater migratory pathway at the MRS.

Classification	Description	Value
Evident	Analytical data or observable evidence indicates that contamination in the groundwater is present at, moving toward, or has moved to a point of exposure.	H
Potential	Contamination in groundwater has moved only slightly beyond the source (i.e., tens of feet), could move but is not moving appreciably, or information is not sufficient to make a determination of Evident or Confined.	M
Confined	Information indicates a low potential for contaminant migration from the source via the groundwater to a potential point of exposure (possibly due to geological structures or physical controls).	L
MIGRATORY PATHWAY FACTOR	**DIRECTIONS:** Record **the single highest value** from above in the box to the right (maximum value = H).	

Receptor Factor

DIRECTIONS: Circle the value that corresponds most closely to the groundwater receptors at the MRS.

Classification	Description	Value
Identified	There is a threatened water supply well downgradient of the source and the groundwater is a current source of drinking water or source of water for other beneficial uses such as irrigation/agriculture (equivalent to Class I or IIA aquifer).	H
Potential	There is no threatened water supply well downgradient of the source and the groundwater is currently or potentially usable for drinking water, irrigation, or agriculture (equivalent to Class I, IIA, or IIB aquifer).	M
Limited	There is no potentially threatened water supply well downgradient of the source and the groundwater is not considered a potential source of drinking water and is of limited beneficial use (equivalent to Class IIIA or IIIB aquifer, or where perched aquifer exists only).	L
RECEPTOR FACTOR	**DIRECTIONS:** Record **the single highest value** from above in the box to the right (maximum value = H).	
	No Known or Suspected Groundwater MC Hazard	o

Table 21 Comments: Groundwater samples were not collected during the SI. The nearest groundwater well is approximately four miles southwest of the MRS, and is completed to a depth of 150 feet in basalt interbedded with clay deposits. An MC release that could migrate to groundwater was not established in surface soils or sediment at the MRS. Based on these factors, the groundwater pathway for exposure to MC is incomplete (2012 SI Report, Section 4.4.4).

Table 22

HHE Module: Surface Water – Human Endpoint Data Element Table

Contaminant Hazard Factor (CHF)

DIRECTIONS: Record the maximum concentrations of all contaminants in the MRS's surface water and their comparison values (from Appendix B of the Primer) in the table below. Additional contaminants can be recorded on Table 27. Calculate and record the ratios for each contaminant by dividing the maximum concentration by the comparison value. Determine the CHF by adding the contaminant ratios together, including any additional surface water contaminants recorded on Table 27. Based on the CHF, use the CHF Scale to determine and record the CHF Value. If there is no known or suspected MC hazard for human endpoints present in the surface water, select the box at the bottom of the table.

Note: Use dissolved, rather than total, metals analyses when both are available.

Contaminant	Maximum Concentration	Comparison Value	Unit	Ratios

CHF Scale	CHF Value	Sum The Ratios
CHF > 100	H (High)	$CHF = \sum \frac{\text{[Maximum Concentration of Contaminant]}}{\text{[Comparison Value for Contaminant]}}$
100 > CHF > 2	M (Medium)	
2 > CHF	L (Low)	

CONTAMINANT HAZARD FACTOR	**DIRECTIONS:** Record **the CHF Value** from above in the box to the right (maximum value = H).	

Migratory Pathway Factor

DIRECTIONS: Circle the value that corresponds most closely to the surface water migratory pathway at the MRS.

Classification	Description	Value
Evident	Analytical data or observable evidence indicates that contamination in the surface water is present at, moving toward, or has moved to a point of exposure.	H
Potential	Contamination in surface water has moved only slightly beyond the source (i.e., tens of feet), could move but is not moving appreciably, or information is not sufficient to make a determination of Evident or Confined.	M
Confined	Information indicates a low potential for contaminant migration from the source via the surface water to a potential point of exposure (possibly due to geological structures or physical controls).	L
MIGRATORY PATHWAY FACTOR	**DIRECTIONS:** Record **the single highest value** from above in the box to the right (maximum value = H).	

Receptor Factor

DIRECTIONS: Circle the value that corresponds most closely to the surface water receptors at the MRS.

Classification	Description	Value
Identified	Identified receptors have access to surface water to which contamination has moved or can move.	H
Potential	Potential for receptors to have access to surface water to which contamination has moved or can move.	M
Limited	Little or no potential for receptors to have access to surface water to which contamination has moved or can move.	L
RECEPTOR FACTOR	**DIRECTIONS:** Record **the single highest value** from above in the box to the right (maximum value = H).	

No Known or Suspected Surface Water (Human Endpoint) MC Hazard	o

Table 22 Comments: Surface water samples were not collected during the SI. There was no surface water present within or in proximity to the MRS during SI field activities. A sediment sample was collected to evaluate the surface water/sediment pathway. Metals detected in the sediment sample exceeded the sediment background concentrations, but did not exceed three times the sediment background concentrations. Explosives and semivolatile organic compounds (SVOCs) were not detected in the sediment sample. Therefore, an MC release was not established in the surface water/sediment pathway at the MRS (2012 SI Report, Section 4.4.3; Appendix J).

Table 23

HHE Module: Sediment – Human Endpoint Data Element Table

Contaminant Hazard Factor (CHF)

DIRECTIONS: Record the maximum concentrations of all contaminants in the MRS's sediment and their comparison values (from Appendix B of the Primer) in the table below. Additional contaminants can be recorded on Table 27. Calculate and record the ratios for each contaminant by dividing the maximum concentration by the comparison value. Determine the CHF by adding the contaminant ratios together, including any additional sediment contaminants recorded on Table 27. Based on the CHF, use the CHF Scale to determine and record the CHF Value. If there is no known or suspected MC hazard with human endpoints present in the sediment, select the box at the bottom of the table.

Contaminant	Maximum Concentration	Comparison Value	Unit	Ratios

CHF Scale	CHF Value	Sum The Ratios	
CHF > 100	H (High)	$CHF = \sum \frac{\text{[Maximum Concentration of Contaminant]}}{\text{[Comparison Value for Contaminant]}}$	
100 > CHF > 2	M (Medium)		
2 > CHF	L (Low)		
CONTAMINANT HAZARD FACTOR	**DIRECTIONS:** Record **the CHF Value** from above in the box to the right (maximum value = H).		

Migratory Pathway Factor

DIRECTIONS: Circle the value that corresponds most closely to the sediment migratory pathway at the MRS.

Classification	Description	Value
Evident	Analytical data or observable evidence indicates that contamination in the sediment is present at, moving toward, or has moved to a point of exposure.	H
Potential	Contamination in sediment has moved only slightly beyond the source (i.e., tens of feet), could move but is not moving appreciably, or information is not sufficient to make a determination of Evident or Confined.	M
Confined	Information indicates a low potential for contaminant migration from the source via the sediment to a potential point of exposure (possibly due to presence of geological structures or physical controls).	L
MIGRATORY PATHWAY FACTOR	**DIRECTIONS:** Record **the single highest value** from above in the box to the right (maximum value = H).	

Receptor Factor

DIRECTIONS: Circle the value that corresponds most closely to the sediment receptors at the MRS.

Classification	Description	Value
Identified	Identified receptors have access to sediment to which contamination has moved or can move.	H
Potential	Potential for receptors to have access to sediment to which contamination has moved or can move.	M
Limited	Little or no potential for receptors to have access to sediment to which contamination has moved or can move.	L
RECEPTOR FACTOR	**DIRECTIONS:** Record **the single highest value** from above in the box to the right (maximum value = H).	
	No Known or Suspected Sediment (Human Endpoint) MC Hazard	n

Table 23 Comments: Sediment samples were collected and analyzed for metals (aluminum and barium), explosives, and SVOCs during the SI to evaluate the surface water/sediment pathway. Metals detected in the sediment sample exceeded the sediment background concentrations, but did not exceed three times the sediment background concentrations. Explosives and SVOCs were not detected in the sediment sample. Therefore, an MC release was not established in the surface water/sediment pathway at the MRS (2012 SI Report, Section 4.4.3; Appendix J).

Table 24

HHE Module: Surface Water – Ecological Endpoint Data Element Table

Contaminant Hazard Factor (CHF)

DIRECTIONS: Record the maximum concentrations of all contaminants in the MRS's surface water and their comparison values (from Appendix B of the Primer) in the table below. Additional contaminants can be recorded on Table 27. Calculate and record the ratios for each contaminant by dividing the maximum concentration by the comparison value. Determine the CHF by adding the contaminant ratios together, including any additional surface water contaminants recorded on Table 27. Based on the CHF, use the CHF Scale to determine and record the CHF Value. If there is no known or suspected MC hazard with ecological endpoints present in the surface water, select the box at the bottom of the table.

Contaminant	Maximum Concentration	Comparison Value	Unit	Ratios

CHF Scale	CHF Value	Sum The Ratios	
CHF > 100	H (High)	$CHF = \sum \frac{\text{[Maximum Concentration of Contaminant]}}{\text{[Comparison Value for Contaminant]}}$	
100 > CHF > 2	M (Medium)		
2 > CHF	L (Low)		
CONTAMINANT HAZARD FACTOR	**DIRECTIONS:** Record **the CHF Value** from above in the box to the right (maximum value = H).		

Migratory Pathway Factor

DIRECTIONS: Circle the value that corresponds most closely to the surface water migratory pathway at the MRS.

Classification	Description	Value
Evident	Analytical data or observable evidence indicates that contamination in the surface water is present at, moving toward, or has moved to a point of exposure.	H
Potential	Contamination in surface water has moved only slightly beyond the source (i.e., tens of feet), could move but is not moving appreciably, or information is not sufficient to make a determination of Evident or Confined.	M
Confined	Information indicates a low potential for contaminant migration from the source via the surface water to a potential point of exposure (possibly due to presence of geological structures or physical controls).	L
MIGRATORY PATHWAY FACTOR	**DIRECTIONS:** Record **the single highest value** from above in the box to the right (maximum value = H).	

Receptor Factor

DIRECTIONS: Circle the value that corresponds most closely to the surface water receptors at the MRS.

Classification	Description	Value
Identified	Identified receptors have access to surface water to which contamination has moved or can move.	H
Potential	Potential for receptors to have access to surface water to which contamination has moved or can move.	M
Limited	Little or no potential for receptors to have access to surface water to which contamination has moved or can move.	L
RECEPTOR FACTOR	**DIRECTIONS:** Record **the single highest value** from above in the box to the right (maximum value = H).	
	No Known or Suspected Surface Water (Ecological Endpoint) MC Hazard	o

Table 24 Comments: Surface water samples were not collected during the SI. There was no surface water present within or in proximity to the MRS during SI field activities. A sediment sample was collected to evaluate the surface water/sediment pathway. Metals detected in the sediment sample exceeded the sediment background concentrations, but did not exceed three times the sediment background concentrations. Explosives and SVOCs were not detected in the sediment sample. Therefore, an MC release was not established in the surface water/sediment pathway at the MRS (2012 SI Report, Section 4.4.3; Appendix J).

Table 25

HHE Module: Sediment – Ecological Endpoint Data Element Table

Contaminant Hazard Factor (CHF)

DIRECTIONS: Record the maximum concentrations of all contaminants in the MRS's sediment and their comparison values (from Appendix B of the Primer) in the table below. Additional contaminants can be recorded on Table 27. Calculate and record the ratios for each contaminant by dividing the maximum concentration by the comparison value. Determine the CHF by adding the ratios together, including any additional sediment contaminants recorded on Table 27. Based on the CHF, use the CHF Scale to determine and record the CHF Value. If there is no known or suspected MC hazard with ecological endpoints present in the sediment, select the box at the bottom of the table.

Contaminant	Maximum Concentration	Comparison Value	Unit	Ratios

CHF Scale	CHF Value	Sum The Ratios	
CHF > 100	H (High)	$CHF = \sum \frac{\text{[Maximum Concentration of Contaminant]}}{\text{[Comparison Value for Contaminant]}}$	
100 > CHF > 2	M (Medium)		
2 > CHF	L (Low)		
CONTAMINANT HAZARD FACTOR	**DIRECTIONS:** Record **the CHF Value** from above in the box to the right (maximum value = H).		

Migratory Pathway Factor

DIRECTIONS: Circle the value that corresponds most closely to the sediment migratory pathway at the MRS.

Classification	Description	Value
Evident	Analytical data or observable evidence indicates that contamination in the sediment is present at, moving toward, or has moved to a point of exposure.	H
Potential	Contamination in sediment has moved only slightly beyond the source (i.e., tens of feet), could move but is not moving appreciably, or information is not sufficient to make a determination of Evident or Confined.	M
Confined	Information indicates a low potential for contaminant migration from the source via the sediment to a potential point of exposure (possibly due to presence of geological structures or physical controls).	L
MIGRATORY PATHWAY FACTOR	**DIRECTIONS:** Record **the single highest value** from above in the box to the right (maximum value = H).	

Receptor Factor

DIRECTIONS: Circle the value that corresponds most closely to the sediment receptors at the MRS.

Classification	Description	Value
Identified	Identified receptors have access to sediment to which contamination has moved or can move.	H
Potential	Potential for receptors to have access to sediment to which contamination has moved or can move.	M
Limited	Little or no potential for receptors to have access to sediment to which contamination has moved or can move.	L
RECEPTOR FACTOR	**DIRECTIONS:** Record **the single highest value** from above in the box to the right (maximum value = H).	
	No Known or Suspected Sediment (Ecological Endpoint) MC Hazard	n

Table 25 Comments: Sediment samples were collected and analyzed for metals (aluminum and barium), explosives, and SVOCs during the SI to evaluate the surface water/sediment pathway. Metals detected in the sediment sample exceeded the sediment background concentrations, but did not exceed three times the sediment background concentrations. Explosives and SVOCs were not detected in the sediment sample. Therefore, an MC release was not established in the surface water/sediment pathway at the MRS (2012 SI Report, Section 4.4.3; Appendix J).

Table 26

HHE Module: Surface Soil Data Element Table

Contaminant Hazard Factor (CHF)

DIRECTIONS: Record the maximum concentrations of all contaminants in the MRS's surface soil and their comparison values (from Appendix B of the Primer) in the table below. Additional contaminants can be recorded on Table 27. Calculate and record the ratios for each contaminant by dividing the maximum concentration by the comparison value. Determine the CHF by adding the contaminant ratios together, including any additional surface soil contaminants recorded on Table 27. Based on the CHF, use the CHF Scale to determine and record the CHF Value. If there is no known or suspected MC hazard present in the surface soil, select the box at the bottom of the table.

Contaminant	Maximum Concentration	Comparison Value	Unit	Ratios

CHF Scale	CHF Value	Sum The Ratios	
CHF > 100	H (High)	$CHF = \sum \frac{\text{[Maximum Concentration of Contaminant]}}{\text{[Comparison Value for Contaminant]}}$	
100 > CHF > 2	M (Medium)		
2 > CHF	L (Low)		
CONTAMINANT HAZARD FACTOR	**DIRECTIONS:** Record **the CHF Value** from above in the box to the right (maximum value = H).		

Migratory Pathway Factor

DIRECTIONS: Circle the value that corresponds most closely to the surface soil migratory pathway at the MRS.

Classification	Description	Value
Evident	Analytical data or observable evidence indicates that contamination in the surface soil is present at, moving toward, or has moved to a point of exposure.	H
Potential	Contamination in surface soil has moved only slightly beyond the source (i.e., tens of feet), could move but is not moving appreciably, or information is not sufficient to make a determination of Evident or Confined.	M
Confined	Information indicates a low potential for contaminant migration from the source via the surface soil to a potential point of exposure (possibly due to presence of geological structures or physical controls).	L
MIGRATORY PATHWAY FACTOR	**DIRECTIONS:** Record **the single highest value** from above in the box to the right (maximum value = H).	

Receptor Factor

DIRECTIONS: Circle the value that corresponds most closely to the surface soil receptors at the MRS.

Classification	Description	Value
Identified	Identified receptors have access to surface soil to which contamination has moved or can move.	H
Potential	Potential for receptors to have access to surface soil to which contamination has moved or can move.	M
Limited	Little or no potential for receptors to have access to surface soil to which contamination has moved or can move.	L
RECEPTOR FACTOR	**DIRECTIONS:** Record **the single highest value** from above in the box to the right (maximum value = H).	
	No Known or Suspected Surface Soil MC Hazard	n

Table 26 Comments: Incremental surface soil samples were collected from the MRS during the SI and analyzed for metals (aluminum and barium), explosives, and SVOCs (anthracene and hexachloroethane). Metals detected in surface soil samples exceeded the background concentrations, but did not exceed three times the background concentrations. Explosives and SVOCs were not detected in the surface soil samples. Therefore, an MC release was not established in surface soil at the MRS (2012 SI Report, Section 4.4.2).

Table 27

HHE Module: Supplemental Contaminant Hazard Factor Table

Contaminant Hazard Factor (CHF)

DIRECTIONS: Only use this table if there are more than five contaminants in any given medium present at the MRS. This is a supplemental table designed to hold information about contaminants that do not fit in the previous tables. Indicate the media in which these contaminants are present. Then record all contaminants, their maximum concentrations and their comparison values (from Appendix B of the Primer) in the table below. Calculate and record the ratio for each contaminant by dividing the maximum concentration by the comparison value. Determine the CHF for each medium on the

Note: Dissolved, rather than total, metals analyses are used when both are available.

Media	Contaminant	Maximum Concentration	Comparison Value	Ratio

Table 28

Determining the HHE Module Rating

DIRECTIONS:

1. Record the letter values (H, M, L) for the Contaminant Hazard, Migration Pathway, and Receptor Factors for the media (from Tables 21–26) in the corresponding boxes below.
2. Record the media's three-letter combinations in the Three-Letter Combination boxes below (three-letter combinations are arranged from Hs to Ms to Ls).
3. Using the HHE Ratings provided below, determine each media's rating (A-G) and record the letter in the corresponding Media Rating box below.

Media (Source)	Contaminant Hazard Factor Value	Migratory Pathway Factor Value	Receptor Factor Value		Three-Letter Combination (Hs-Ms-Ls)		Media Rating (A-G)
Groundwater (Table 21)							
Surface Water/Human Endpoint (Table 22)							
Sediment/Human Endpoint (Table 23)							
Surface Water/Ecological Endpoint (Table 24)							
Sediment/Ecological Endpoint (Table 25)							
Surface Soil (Table 26)							

DIRECTIONS (cont.):

4. Select the single highest Media Rating (A is highest; G is lowest) and enter the letter in the HHE Module Rating box.

Note:
An alternative module rating may be assigned when a module letter rating is inappropriate. An alternative module rating is used when more information is needed to score one or more media, contamination at an MRS was previously addressed, or there is no reason to suspect contamination was ever present at an MRS.

HHE MODULE RATING	***No Known or Suspected MC Hazard***

HHE Ratings (for reference only)	
Combination	**Rating**
HHH	A
HHM	B
HHL	C
HMM	
HML	D
MMM	
HLL	E
MML	
MLL	F
LLL	G
Alternative Module Ratings	Evaluation Pending
	No Longer Required
	No Known or Suspected MC Hazard

Table 29
MRS Priority

DIRECTIONS: In the chart below, circle the letter rating for each module recorded in Table 10 (EHE), Table 20 (CHE), and Table 28 (HHE). Circle the corresponding numerical priority for each module. If information to determine the module rating is not available, choose the appropriate alternative module rating. The MRS Priority is the single highest priority; record this relative priority in the MRS Prioriy or Alternative MRS Rating at the bottom of the table.

Note: An MRS assigned Priority 1 has the highest relative priority; an MRS assigned Priority 8 has the lowest relative priority. Only an MRS with CWM known or suspected to be present can be assigned Priority 1; an MRS that has CWM known or suspected to be present cannot be assigned Priority 8.

EHE Rating	Priority	CHE Rating	Priority	HHE Rating	Priority
		A	1		
A	2	B	2	A	2
B	*3*	C	3	B	3
C	4	D	4	C	4
D	5	E	5	D	5
E	6	F	6	E	6
F	7	G	7	F	7
G	8			G	8
Evaluation Pending		Evaluation Pending		Evaluation Pending	
No Longer Required		No Longer Required		No Longer Required	
No Known or Suspected Explosive Hazard		*No Known or Suspected CWM Hazard*		*No Known or Suspected MC Hazard*	
MRS PRIORITY or ALTERNATIVE MRS RATING				*3*	

Appendix L
Reference Copies

- **EDR Radius Map™ Report with GeoCheck®**
- **EDR Aerial Photo Decade Package**
- **EDR Historical Topographic Map Report**
- **EDR Certified Sanborn Map Report**
- **Historical Aerial Photograph**

Pocatello BR No. 3
Pocatello BR No. 3
Blackfoot, ID 83221

Inquiry Number: 02888241.26r
October 06, 2010

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	7
Orphan Summary	8
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-8
Physical Setting Source Map Findings	A-10
Physical Setting Source Records Searched	A-15

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2010 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

POCATELLO BR NO. 3
BLACKFOOT, ID 83221

COORDINATES

Latitude (North):	43.309000 - 43˚ 18' 32.4''
Longitude (West):	112.812000 - 112˚ 48' 43.2''
Universal Tranverse Mercator:	Zone 12
UTM X (Meters):	353043.5
UTM Y (Meters):	4796508.5
Elevation:	4803 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	43112-C7 LAVA LAKE RESERVOIR, ID
Most Recent Revision:	1973

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year:	No Photo Available
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List

EXECUTIVE SUMMARY

Proposed NPL ..... Proposed National Priority List Sites
NPL LIENS ..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ..... National Priority List Deletions

Federal CERCLIS list

CERCLIS ..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY ..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP ..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS ..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ..... RCRA - Large Quantity Generators
RCRA-SQG ..... RCRA - Small Quantity Generators
RCRA-CESQG ..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROL ..... Sites with Institutional Controls

Federal ERNS list

ERNS ..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

SHWS ..... This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ..... Solid Waste Landfills

State and tribal leaking storage tank lists

LUST ..... Leaking Underground Storage Tank Sites
LAST ..... Leaking Aboveground Storage Tanks
INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

UST ..... Registered Underground Storage Tanks in Idaho

INDIAN UST ..... Underground Storage Tanks on Indian Land
FEMA UST ..... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

INST CONTROL ..... Sites with Institutional Controls Restricting Use

State and tribal voluntary cleanup sites

VCP ..... Voluntary Cleanup Program Sites
INDIAN VCP ..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS ..... Brownfields Inventory

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

ODI ..... Open Dump Inventory
DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
SWTIRE ..... Waste Tire Collection Sites
HIST LF ..... Idaho Historical Landfills
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL ..... Clandestine Drug Labs
ALLSITES ..... Remediation Database
CDL ..... Clandestine Drug Labs
US HIST CDL ..... National Clandestine Laboratory Register

Local Land Records

LIENS 2 ..... CERCLA Lien Information
LUCIS ..... Land Use Control Information System

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting System
SPILLS ..... Spills Data

Other Ascertainable Records

RCRA-NonGen ..... RCRA - Non Generators
DOT OPS ..... Incident and Accident Data
DOD ..... Department of Defense Sites
FUDS ..... Formerly Used Defense Sites
CONSENT ..... Superfund (CERCLA) Consent Decrees

EXECUTIVE SUMMARY

ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System
UIC	Underground Injection Wells Database Listing
DRYCLEANERS	Drycleaner Listing
AIRS	Permitted Sources & Emissions Listing
TIER 2	Tier 2 Data Listing
INDIAN RESERV	Indian Reservations
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
PCB TRANSFORMER	PCB Transformer Registration Database
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
COAL ASH DOE	Sleam-Electric Plan Operation Data

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants	EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

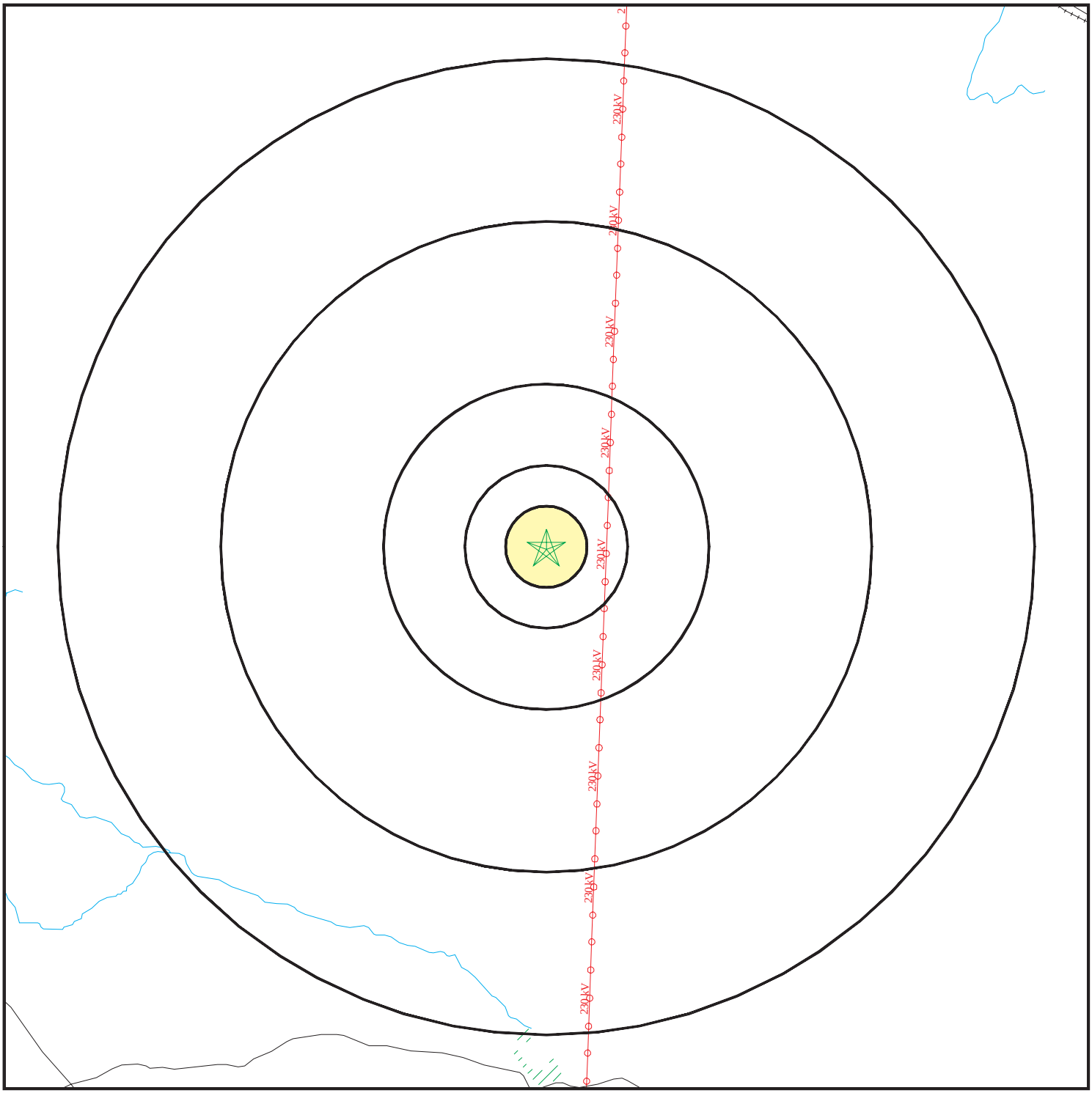
Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
RIVER VIEW VILLA TRAILER COURT	UIC
BEGERMAN, ILENE & GENE TODARO	UIC
SCHAWVER, ROBERT W.	UIC
FARMERS MERCHANT INC.	UIC
FARMERS MERCHANT INC.	UIC
FARMERS MERCHANT INC.	UIC
BINGHAM COOPERATIVE INC.	UIC
FARMERS MERCHANT INC.	UIC
RUSSELL ANDERSON	ALLSITES
DON KORTH	ALLSITES
1 BM	RCRA-NonGen, FINDS, ALLSITES, SPILLS
GAS AND SCRUB	ALLSITES
J MARVIN WRAY	ALLSITES
CHEVRON #7-3025	ALLSITES, LUST, UST, SPILLS
BINGHAM COOPERATIVE FARM STORE	FTTS, HIST FTTS
HWY 91	CERC-NFRAP, RCRA-NonGen, FINDS
FIELDING/BINGHAM CO. LF	SWF/LF, HIST LF
FIELDING/BINGHAM CO. LANDFILL	SWF/LF
ATOMIC CITY	SWF/LF
ABERDEEN CITY LANDFILL	SWF/LF
SPRINGFIELD LANDFILL	SWF/LF
RATTLESNAKE CAYON	SWF/LF
DON KORTH	UST
SNAKE RIVER SINCLAIR	UST
540 W HWY 26	CDL
374 N HWY 91	CDL
514 W STATE HIGHWAY 39	CDL
HWY 191	RCRA-NonGen, FINDS
POCATELLO READY MIX, INC.	MINES
CHAD'S PLACE	ICIS
YOUNGSTROM'S LOG HOMES	INDIAN UST
RT 6	SSTS
CHS INC. DBA BINGHAM COOPERATIVE	SSTS
CHS, INC. BINGHAM COOPERATIVE	SSTS
PIONEER EQUIPMENT CO.	TIER 2
IDAHO TRANSPORTATION DEPARTMENT	TIER 2
BINGHAM CO-OP	TIER 2
WESTERN FARM SERVICE, INC. - LIBER	TIER 2

OVERVIEW MAP - 02888241.26r



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone

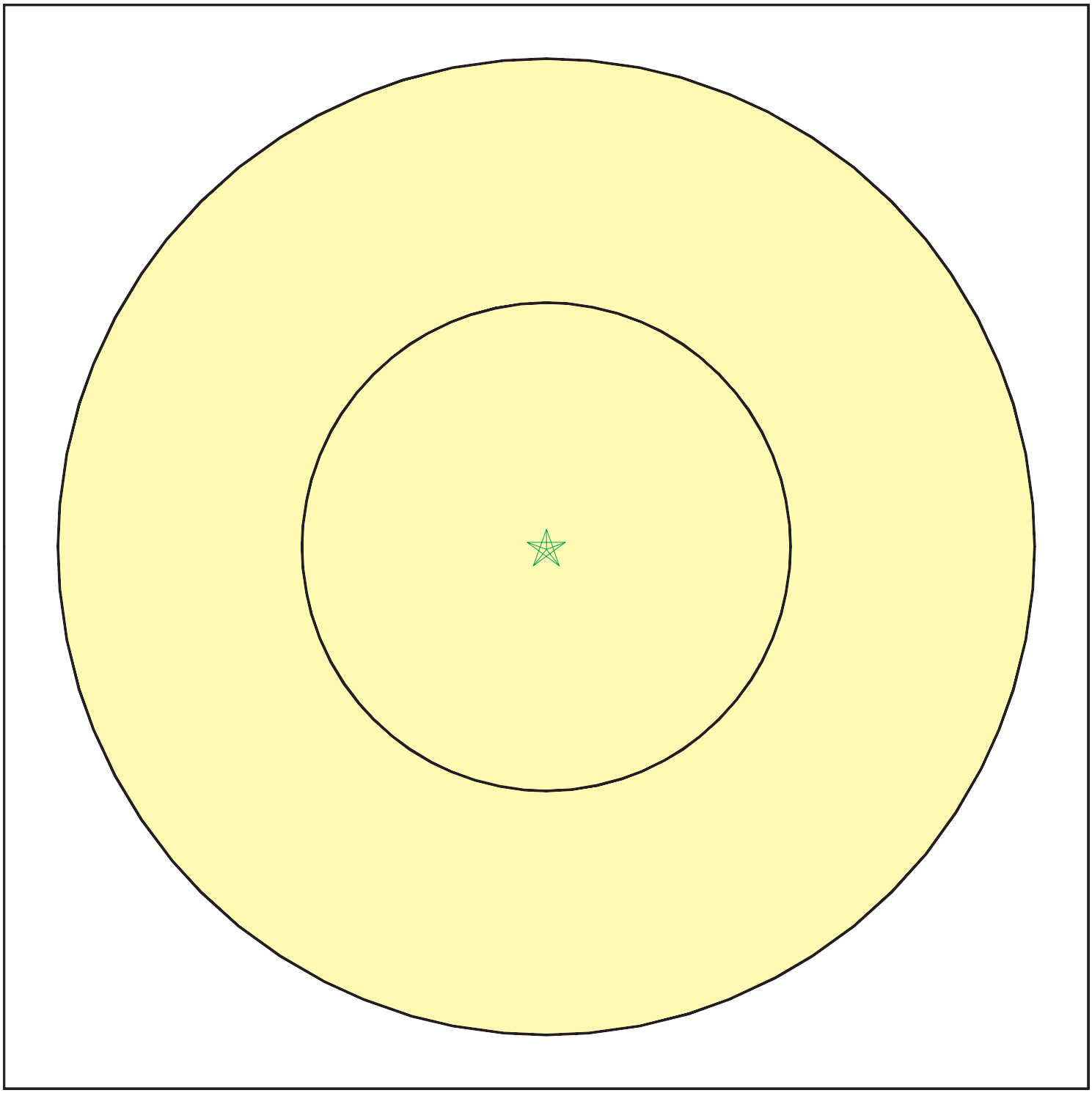
0 3/4 1 1/2 3 Miles

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Pocatello BR No. 3 ADDRESS: Pocatello BR No. 3 Blackfoot ID 83221 LAT/LONG: 43.3090 / 112.8120	CLIENT: Shaw Environmental & Infrastructure CONTACT: Matt Mireiter INQUIRY #: 02888241.26r DATE: October 06, 2010 7:11 pm

Copyright © 2010 EDR, Inc. © 2010 Tele Atlas Rel. 07/2009.

DETAIL MAP - 02888241.26r



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

0 1/16 1/8 1/4 Miles

- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Pocatello BR No. 3	CLIENT: Shaw Environmental & Infrastructure
ADDRESS: Pocatello BR No. 3 Blackfoot ID 83221	CONTACT: Matt Mireiter INQUIRY #: 02888241.26r
LAT/LONG: 43.3090 / 112.8120	DATE: October 06, 2010 7:12 pm

Copyright © 2010 EDR, Inc. © 2010 Tele Atlas Rel. 07/2009.

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL		3.000	0	0	0	0	0	0
Proposed NPL		3.000	0	0	0	0	0	0
NPL LIENS		2.000	0	0	0	0	0	0
Federal Delisted NPL site list								
Delisted NPL		3.000	0	0	0	0	0	0
Federal CERCLIS list								
CERCLIS		2.500	0	0	0	0	0	0
FEDERAL FACILITY		3.000	0	0	0	0	0	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP		2.500	0	0	0	0	0	0
Federal RCRA CORRACTS facilities list								
CORRACTS		3.000	0	0	0	0	0	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF		2.500	0	0	0	0	0	0
Federal RCRA generators list								
RCRA-LQG		2.250	0	0	0	0	0	0
RCRA-SQG		2.250	0	0	0	0	0	0
RCRA-CESQG		2.250	0	0	0	0	0	0
Federal institutional controls / engineering controls registries								
US ENG CONTROLS		2.500	0	0	0	0	0	0
US INST CONTROL		2.500	0	0	0	0	0	0
Federal ERNS list								
ERNS		2.000	0	0	0	0	0	0
State- and tribal - equivalent CERCLIS								
SHWS		N/A	N/A	N/A	N/A	N/A	N/A	N/A
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF		2.500	0	0	0	0	0	0
State and tribal leaking storage tank lists								
LUST		2.500	0	0	0	0	0	0
LAST		2.500	0	0	0	0	0	0
INDIAN LUST		2.500	0	0	0	0	0	0
State and tribal registered storage tank lists								
UST		2.250	0	0	0	0	0	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN UST		2.250	0	0	0	0	0	0
FEMA UST		2.250	0	0	0	0	0	0
State and tribal institutional control / engineering control registries								
INST CONTROL		2.500	0	0	0	0	0	0
State and tribal voluntary cleanup sites								
VCP		2.500	0	0	0	0	0	0
INDIAN VCP		2.500	0	0	0	0	0	0
State and tribal Brownfields sites								
BROWNFIELDS		2.500	0	0	0	0	0	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		2.500	0	0	0	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI		2.500	0	0	0	0	0	0
DEBRIS REGION 9		2.500	0	0	0	0	0	0
SWTIRE		2.500	0	0	0	0	0	0
HIST LF		2.500	0	0	0	0	0	0
INDIAN ODI		2.500	0	0	0	0	0	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL		2.000	0	0	0	0	0	0
ALLSITES		2.500	0	0	0	0	0	0
CDL		2.000	0	0	0	0	0	0
US HIST CDL		2.000	0	0	0	0	0	0
Local Land Records								
LIENS 2		2.000	0	0	0	0	0	0
LUCIS		2.500	0	0	0	0	0	0
Records of Emergency Release Reports								
HMIRS		2.000	0	0	0	0	0	0
SPILLS		2.000	0	0	0	0	0	0
Other Ascertainable Records								
RCRA-NonGen		2.250	0	0	0	0	0	0
DOT OPS		2.000	0	0	0	0	0	0
DOD		3.000	0	0	0	0	0	0
FUDS		3.000	0	0	0	0	0	0
CONSENT		3.000	0	0	0	0	0	0
ROD		3.000	0	0	0	0	0	0
UMTRA		2.500	0	0	0	0	0	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MINES		2.250	0	0	0	0	0	0
TRIS		2.000	0	0	0	0	0	0
TSCA		2.000	0	0	0	0	0	0
FTTS		2.000	0	0	0	0	0	0
HIST FTTS		2.000	0	0	0	0	0	0
SSTS		2.000	0	0	0	0	0	0
ICIS		2.000	0	0	0	0	0	0
PADS		2.000	0	0	0	0	0	0
MLTS		2.000	0	0	0	0	0	0
RADINFO		2.000	0	0	0	0	0	0
FINDS		2.000	0	0	0	0	0	0
RAATS		2.000	0	0	0	0	0	0
UIC		2.000	0	0	0	0	0	0
DRYCLEANERS		2.250	0	0	0	0	0	0
AIRS		2.000	0	0	0	0	0	0
TIER 2		2.000	0	0	0	0	0	0
INDIAN RESERV		3.000	0	0	0	0	0	0
SCRD DRYCLEANERS		2.500	0	0	0	0	0	0
PCB TRANSFORMER		2.000	0	0	0	0	0	0
COAL ASH EPA		2.500	0	0	0	0	0	0
COAL ASH DOE		2.000	0	0	0	0	0	0
EDR PROPRIETARY RECORDS								
EDR Proprietary Records								
Manufactured Gas Plants		3.000	0	0	0	0	0	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number

NO SITES FOUND

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BINGHAM COUNTY	S105244741	FIELDING/BINGHAM CO. LF	715 N 1100 E, SHELLEY		SWF/LF, HIST LF
BINGHAM COUNTY	M300003528	POCATELLO READY MIX, INC.	HORROCKS READY MIX PLANT		MINES
BLACKFOOT	S109329827	FIELDING/BINGHAM CO. LANDFILL	700 N 1125 E	83221	SWF/LF
BLACKFOOT	1000118539		HWY 191	83221	RCRA-NonGen, FINDS
BLACKFOOT	S108275804	RUSSELL ANDERSON	RT 2	83221	ALLSITES
BLACKFOOT	S109468955	RIVER VIEW VILLA TRAILER COURT	RT 2	83221	UIC
BLACKFOOT	U003989421	DON KORTH	26 HWY 26	83221	UST
BLACKFOOT	S108274234	DON KORTH	26 HWY 26	83221	ALLSITES
BLACKFOOT	S109467754	BEGERMAN, ILENE & GENE TODARO	RT 3	83221	UIC
BLACKFOOT	S109116317	PIONEER EQUIPMENT CO.	404 HWY 39	83221	TIER 2
BLACKFOOT	S109467648	SCHAWVER, ROBERT W.	RT 5	83221	UIC
BLACKFOOT	S108056670	IDAHO TRANSPORTATION DEPARTMENT	380 W 50TH STATE RD N	83221	TIER 2
BLACKFOOT	1005439470		RT 6	83221	SSTS
BLACKFOOT	1000607002		HWY 91	83221	CERC-NFRAP, RCRA-NonGen, FINDS
BLACKFOOT	1010559438	YOUNGSTROM'S LOG HOMES	HWY 91	83221	INDIAN UST
BLACKFOOT	S109468950	FARMERS MERCHANT INC.	ARCO HWY	83221	UIC
BLACKFOOT	S109468951	FARMERS MERCHANT INC.	ARCO HWY	83221	UIC
BLACKFOOT	S109468953	FARMERS MERCHANT INC.	ARCO HWY	83221	UIC
BLACKFOOT	S109468954	BINGHAM COOPERATIVE INC.	ARCO HWY & PO BOX 887	83221	UIC
BLACKFOOT	S109468952	FARMERS MERCHANT INC.	ARCO HWY	83221	UIC
BLACKFOOT	S109329798	ATOMIC CITY	ATOMIC CITY	83221	SWF/LF
BLACKFOOT	1006806883		1 BM	83221	RCRA-NonGen, FINDS, ALLSITES, SPILLS
BLACKFOOT	S109329793	ABERDEEN CITY LANDFILL	175 MI E OF ABERDEEN	83221	SWF/LF
BLACKFOOT	1009511094	BINGHAM COOPERATIVE FARM STORE	477 W HWY 26	83221	FTTS, HIST FTTS
BLACKFOOT	S106917923		540 W HWY 26	83221	CDL
BLACKFOOT	S107981028	GAS AND SCRUB	410 W HWY 26	83221	ALLSITES
BLACKFOOT	S108056487	BINGHAM CO-OP	477 W HWY 26	83221	TIER 2
BLACKFOOT	S108274843	J MARVIN WRAY	960 W HWY 26	83221	ALLSITES
BLACKFOOT	S108056931	WESTERN FARM SERVICE, INC. - LIBER	1290 W HWY 39	83221	TIER 2
BLACKFOOT	1010569163	CHS INC. DBA BINGHAM COOPERATIVE	477 W HWY 26	83221	SSTS
BLACKFOOT	1012194796	CHS, INC. BINGHAM COOPERATIVE	477 W HWY 26	83221	SSTS
BLACKFOOT	1012122195	CHAD'S PLACE	695 W HWY 39 BLACKFOOTID 83221	83221	ICIS
BLACKFOOT	U004154362	SNAKE RIVER SINCLAIR	320 W HWY 26	83221	UST
BLACKFOOT	S107600291		374 N HWY 91	83221	CDL
BLACKFOOT	U001210482	CHEVRON #7-3025	RIVERSIDE PLZ	83221	ALLSITES, LUST, UST, SPILLS
BLACKFOOT	S102688276	SPRINGFIELD LANDFILL	SPRINGFIELD	83221	SWF/LF
BLACKFOOT	S106917926		514 W STATE HIGHWAY 39	83221	CDL
BLACKFOOT	S110480539	RATTLESNAKE CAYON	1316 WOLVERINE RD	83221	SWF/LF

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/02/2010
Date Data Arrived at EDR: 07/14/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 82

Source: EPA
Telephone: N/A
Last EDR Contact: 07/14/2010
Next Scheduled EDR Contact: 10/25/2010
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 07/02/2010
Date Data Arrived at EDR: 07/14/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 82

Source: EPA
Telephone: N/A
Last EDR Contact: 07/14/2010
Next Scheduled EDR Contact: 10/25/2010
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/16/2010
Next Scheduled EDR Contact: 11/29/2010
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/02/2010
Date Data Arrived at EDR: 07/14/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 82

Source: EPA
Telephone: N/A
Last EDR Contact: 07/14/2010
Next Scheduled EDR Contact: 10/25/2010
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/29/2010
Date Data Arrived at EDR: 02/09/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 62

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 10/01/2010
Next Scheduled EDR Contact: 01/10/2011
Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPAa??s Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 06/23/2009
Date Data Arrived at EDR: 01/15/2010
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/21/2010
Next Scheduled EDR Contact: 10/25/2010
Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 06/23/2009
Date Data Arrived at EDR: 09/02/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 19

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 10/01/2010
Next Scheduled EDR Contact: 12/13/2010
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 05/25/2010
Date Data Arrived at EDR: 06/02/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 124

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/16/2010
Next Scheduled EDR Contact: 11/29/2010
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 08/19/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 08/19/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 08/19/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 08/19/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 12/20/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/20/2010	Telephone: 703-603-0695
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 09/13/2010
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/27/2010
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 12/20/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/20/2010	Telephone: 703-603-0695
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 09/13/2010
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/27/2010
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 07/09/2010	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 07/09/2010	Telephone: 202-267-2180
Date Made Active in Reports: 08/17/2010	Last EDR Contact: 10/06/2010
Number of Days to Update: 39	Next Scheduled EDR Contact: 01/17/2011
	Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: N/A	Source: Department of Environmental Quality
Date Data Arrived at EDR: N/A	Telephone: 208-373-0502
Date Made Active in Reports: N/A	Last EDR Contact: 09/13/2010
Number of Days to Update: N/A	Next Scheduled EDR Contact: 12/27/2010
	Data Release Frequency: N/A

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Landfills

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/02/2010
Date Data Arrived at EDR: 08/02/2010
Date Made Active in Reports: 09/17/2010
Number of Days to Update: 46

Source: Department of Environmental Quality
Telephone: 208-334-5860
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Sites
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 07/13/2010
Date Data Arrived at EDR: 07/14/2010
Date Made Active in Reports: 07/26/2010
Number of Days to Update: 12

Source: Department of Environmental Quality
Telephone: 208-373-0130
Last EDR Contact: 07/14/2010
Next Scheduled EDR Contact: 10/25/2010
Data Release Frequency: Quarterly

LAST: Leaking Aboveground Storage Tanks
A listing of leaking aboveground storage tank locations.

Date of Government Version: 03/25/2010
Date Data Arrived at EDR: 03/26/2010
Date Made Active in Reports: 04/16/2010
Number of Days to Update: 21

Source: Department of Environmental Quality
Telephone: 208-373-0347
Last EDR Contact: 09/13/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/27/2010
Date Data Arrived at EDR: 08/30/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 35

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Semi-Annually

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/24/2010
Date Data Arrived at EDR: 05/27/2010
Date Made Active in Reports: 08/09/2010
Number of Days to Update: 74

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 08/30/2010
Date Data Arrived at EDR: 08/30/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 08/05/2010
Date Data Arrived at EDR: 08/06/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 59

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 08/05/2010
Date Data Arrived at EDR: 08/06/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 11/04/2009
Date Data Arrived at EDR: 05/04/2010
Date Made Active in Reports: 07/07/2010
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 08/11/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Varies

State and tribal registered storage tank lists

UST: Registered Underground Storage Tanks in Idaho
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 07/13/2010
Date Data Arrived at EDR: 07/14/2010
Date Made Active in Reports: 07/26/2010
Number of Days to Update: 12

Source: Department of Environmental Quality
Telephone: 208-373-0130
Last EDR Contact: 07/14/2010
Next Scheduled EDR Contact: 10/25/2010
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 08/05/2010
Date Data Arrived at EDR: 08/06/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 59

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2008
Date Data Arrived at EDR: 12/30/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 76

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 08/11/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/24/2010
Date Data Arrived at EDR: 05/27/2010
Date Made Active in Reports: 08/09/2010
Number of Days to Update: 74

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 08/30/2010
Date Data Arrived at EDR: 08/30/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 35

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 08/27/2010
Date Data Arrived at EDR: 08/30/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 35

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 02/11/2010
Date Data Arrived at EDR: 02/11/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 60

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 08/03/2010
Date Data Arrived at EDR: 08/04/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 61

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Semi-Annually

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/19/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: Sites with Institutional Controls Restricting Use
Sites included in the Remediation Sites database that have institutional controls stricting use.

Date of Government Version: 07/13/2010
Date Data Arrived at EDR: 07/14/2010
Date Made Active in Reports: 07/26/2010
Number of Days to Update: 12

Source: Department of Environmental Quality
Telephone: 208-373-0347
Last EDR Contact: 09/15/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Sites
The Idaho Legislature created the Idaho land Remediation Act, DEQ's Voluntary Cleanup Program, to encourage innovation and cooperation between the state, local communities and private parties working to revitalize properties with hazardous substance or petroleum contamination.

Date of Government Version: 03/25/2010
Date Data Arrived at EDR: 03/26/2010
Date Made Active in Reports: 04/16/2010
Number of Days to Update: 21

Source: Department of Environmental Quality
Telephone: 208-373-0495
Last EDR Contact: 09/13/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 10/04/2010
Next Scheduled EDR Contact: 01/17/2011
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Inventory
Brownfields are abandoned or underutilized properties where the reuse is complicated by actual or perceived environmental contamination. With the help of Idaho Counties, Cities, Economic Development Districts, Urban Renewal Entities, developers and brokers, DEQ is developing a comprehensive, statewide inventory of Brownfields.

Date of Government Version: 03/25/2010
Date Data Arrived at EDR: 03/26/2010
Date Made Active in Reports: 04/16/2010
Number of Days to Update: 21

Source: Department of Environmental Quality
Telephone: 208-373-0495
Last EDR Contact: 09/13/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 06/24/2010
Date Data Arrived at EDR: 06/25/2010
Date Made Active in Reports: 08/17/2010
Number of Days to Update: 53

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/29/2010
Next Scheduled EDR Contact: 01/10/2011
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 09/27/2010
Next Scheduled EDR Contact: 01/10/2011
Data Release Frequency: Varies

SWTIRE: Waste Tire Collection Sites

A listing of registered waste tire collection sites.

Date of Government Version: 03/15/2002
Date Data Arrived at EDR: 09/16/2004
Date Made Active in Reports: 11/02/2004
Number of Days to Update: 47

Source: Department of Environmental Quality
Telephone: 208-373-0416
Last EDR Contact: 08/23/2010
Next Scheduled EDR Contact: 12/06/2010
Data Release Frequency: No Update Planned

HISTORICAL LANDFILL: Idaho Historical Landfills

A listing of older landfills. The listing has not been updated since July 1997.

Date of Government Version: 07/10/1997
Date Data Arrived at EDR: 02/21/2002
Date Made Active in Reports: 03/27/2002
Number of Days to Update: 34

Source: Department of Environmental Quality
Telephone: 208-373-0502
Last EDR Contact: 02/02/2009
Next Scheduled EDR Contact: 05/04/2009
Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 09/07/2010
Next Scheduled EDR Contact: 11/22/2010
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/07/2010
Date Data Arrived at EDR: 06/18/2010
Date Made Active in Reports: 08/17/2010
Number of Days to Update: 60

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 09/17/2010
Next Scheduled EDR Contact: 12/20/2010
Data Release Frequency: Quarterly

ALLSITES: Remediation Database
Idaho's remediation database is a compilation of data on all the state and delegated federal remediation programs operated by the DEQ. Programs included are AST, Brownfield, ER, General Remediation, LUST, Mining, Miscellaneous, RCRA, Solid Waste, UST and VCP.

Date of Government Version: 03/25/2010
Date Data Arrived at EDR: 03/26/2010
Date Made Active in Reports: 04/16/2010
Number of Days to Update: 21

Source: Department of Environmental Quality
Telephone: 208-373-0309
Last EDR Contact: 09/13/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs
These are labs in which the Idaho State Police have investigated.

Date of Government Version: 06/16/2010
Date Data Arrived at EDR: 07/12/2010
Date Made Active in Reports: 07/26/2010
Number of Days to Update: 14

Source: Idaho State Police
Telephone: 208-884-7000
Last EDR Contact: 09/27/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Varies

CDL 2: Clandestine Drug (Meth) Laboratory Site Property List
A listing of clandestine drug lab site locations.

Date of Government Version: 04/01/2010
Date Data Arrived at EDR: 06/16/2010
Date Made Active in Reports: 07/26/2010
Number of Days to Update: 40

Source: Dept of Health & Welfare
Telephone: 208-334-5500
Last EDR Contact: 09/14/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 05/06/2010
Date Data Arrived at EDR: 05/11/2010
Date Made Active in Reports: 08/09/2010
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 09/08/2010
Next Scheduled EDR Contact: 12/06/2010
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 04/06/2010
Date Data Arrived at EDR: 04/07/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 50

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 07/09/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Annually

SPILLS: Spills Data

A listing of hazardous materials spills, releases or accidents as reported to the State of Idaho's central Communications Center.

Date of Government Version: 03/25/2010
Date Data Arrived at EDR: 03/26/2010
Date Made Active in Reports: 04/16/2010
Number of Days to Update: 21

Source: Department of Environmental Quality
Telephone: 208-373-0502
Last EDR Contact: 09/13/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Varies

Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 08/19/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/12/2010
Date Data Arrived at EDR: 02/09/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 62

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/11/2010
Next Scheduled EDR Contact: 11/22/2010
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 07/22/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 09/30/2009
Date Made Active in Reports: 12/01/2009
Number of Days to Update: 62

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 09/14/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 04/11/2010
Date Data Arrived at EDR: 04/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 28

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/04/2010
Next Scheduled EDR Contact: 01/17/2011
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 06/01/2010
Date Data Arrived at EDR: 06/16/2010
Date Made Active in Reports: 08/17/2010
Number of Days to Update: 62

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/15/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 12/14/2009
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 5

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 09/01/2010
Next Scheduled EDR Contact: 12/13/2010
Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/07/2010
Date Data Arrived at EDR: 06/09/2010
Date Made Active in Reports: 08/30/2010
Number of Days to Update: 82

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/09/2010
Next Scheduled EDR Contact: 12/20/2010
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 01/13/2010
Date Made Active in Reports: 02/18/2010
Number of Days to Update: 36

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 09/01/2010
Next Scheduled EDR Contact: 12/13/2010
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 10/01/2010
Next Scheduled EDR Contact: 01/10/2011
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/30/2010
Next Scheduled EDR Contact: 12/13/2010
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/30/2010
Next Scheduled EDR Contact: 12/13/2010
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 01/06/2010
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 08/16/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 04/24/2010
Date Data Arrived at EDR: 04/29/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 18

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 09/27/2010
Next Scheduled EDR Contact: 01/10/2011
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 02/01/2010
Date Data Arrived at EDR: 04/22/2010
Date Made Active in Reports: 08/09/2010
Number of Days to Update: 109

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/30/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/18/2010
Date Data Arrived at EDR: 04/06/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 51

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/13/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/13/2010
Date Data Arrived at EDR: 07/14/2010
Date Made Active in Reports: 08/09/2010
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/14/2010
Next Scheduled EDR Contact: 10/25/2010
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/14/2010
Date Data Arrived at EDR: 04/16/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 41

Source: EPA
Telephone: (206) 553-1200
Last EDR Contact: 09/15/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 02/25/2010
Date Made Active in Reports: 05/12/2010
Number of Days to Update: 76

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 08/24/2010
Next Scheduled EDR Contact: 12/06/2010
Data Release Frequency: Biennially

UIC: Underground Injection Wells Database Listing

Deep and shallow underground injection wells locations.

Date of Government Version: 08/02/2010
Date Data Arrived at EDR: 08/02/2010
Date Made Active in Reports: 09/17/2010
Number of Days to Update: 46

Source: Department of Water Resources
Telephone: 208-287-4932
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Listing

A listing of drycleaner locations.

Date of Government Version: 07/06/2009
Date Data Arrived at EDR: 07/13/2009
Date Made Active in Reports: 07/28/2009
Number of Days to Update: 15

Source: Department of Environmental Quality
Telephone: 208-373-0211
Last EDR Contact: 09/20/2010
Next Scheduled EDR Contact: 01/03/2011
Data Release Frequency: Varies

AIRS: Permitted Sources & Emissions Listing
Permit and emissions inventory data.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 04/15/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 42

Source: Department of Environmental Quality
Telephone: 208-373-0253
Last EDR Contact: 10/04/2010
Next Scheduled EDR Contact: 01/17/2011
Data Release Frequency: Varies

TIER 2: Tier 2 Data Listing
A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 08/10/2010
Date Made Active in Reports: 09/17/2010
Number of Days to Update: 38

Source: Bureau of Homeland Security
Telephone: 208-422-3040
Last EDR Contact: 08/02/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/22/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing
The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 05/12/2010
Date Data Arrived at EDR: 05/13/2010
Date Made Active in Reports: 08/17/2010
Number of Days to Update: 96

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/23/2010
Next Scheduled EDR Contact: 11/08/2010
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands
Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/22/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: N/A

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 02/18/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 100

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/10/2010
Next Scheduled EDR Contact: 11/15/2010
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 07/21/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 11/09/2009
Date Data Arrived at EDR: 12/18/2009
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/15/2010
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 07/28/2010
Date Data Arrived at EDR: 08/11/2010
Date Made Active in Reports: 09/24/2010
Number of Days to Update: 44

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/11/2010
Next Scheduled EDR Contact: 11/22/2010
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care List
Source: Department of Health and Welfare
Telephone: 208-332-7205

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Department of Water Resources
Telephone: 208-287-4800

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

© 2010 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

POCATELLO BR NO. 3
POCATELLO BR NO. 3
BLACKFOOT, ID 83221

TARGET PROPERTY COORDINATES

Latitude (North):	43.30900 - 43˚ 18' 32.4''
Longitude (West):	112.812 - 112˚ 48' 43.2''
Universal Tranverse Mercator:	Zone 12
UTM X (Meters):	353043.5
UTM Y (Meters):	4796508.5
Elevation:	4803 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	43112-C7 LAVA LAKE RESERVOIR, ID
Most Recent Revision:	1973

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

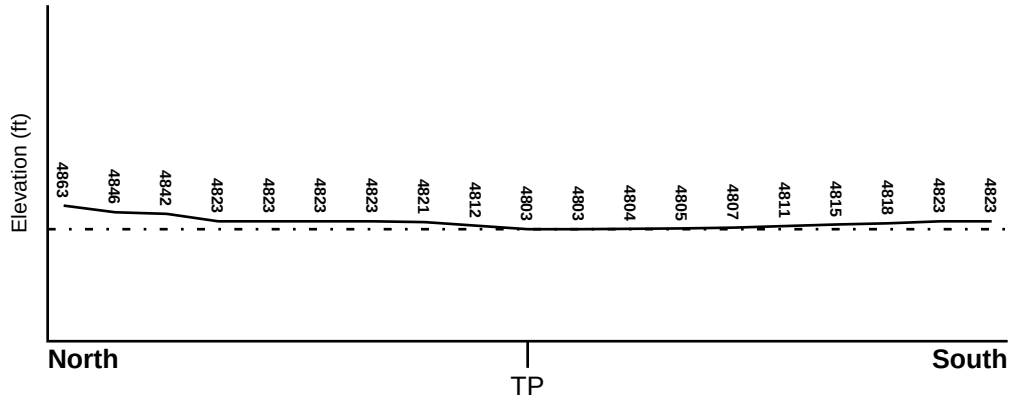
TOPOGRAPHIC INFORMATION

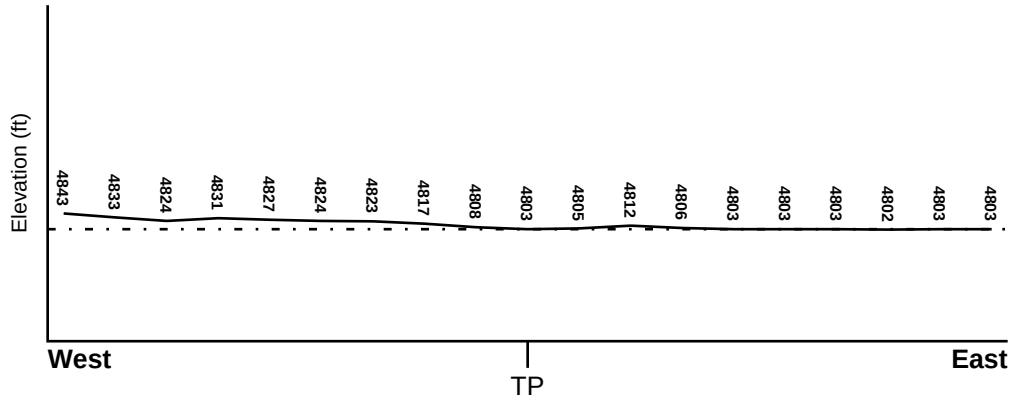
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 4803 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
BINGHAM, ID	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 1600180225B - FEMA Q3 Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NOT AVAILABLE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

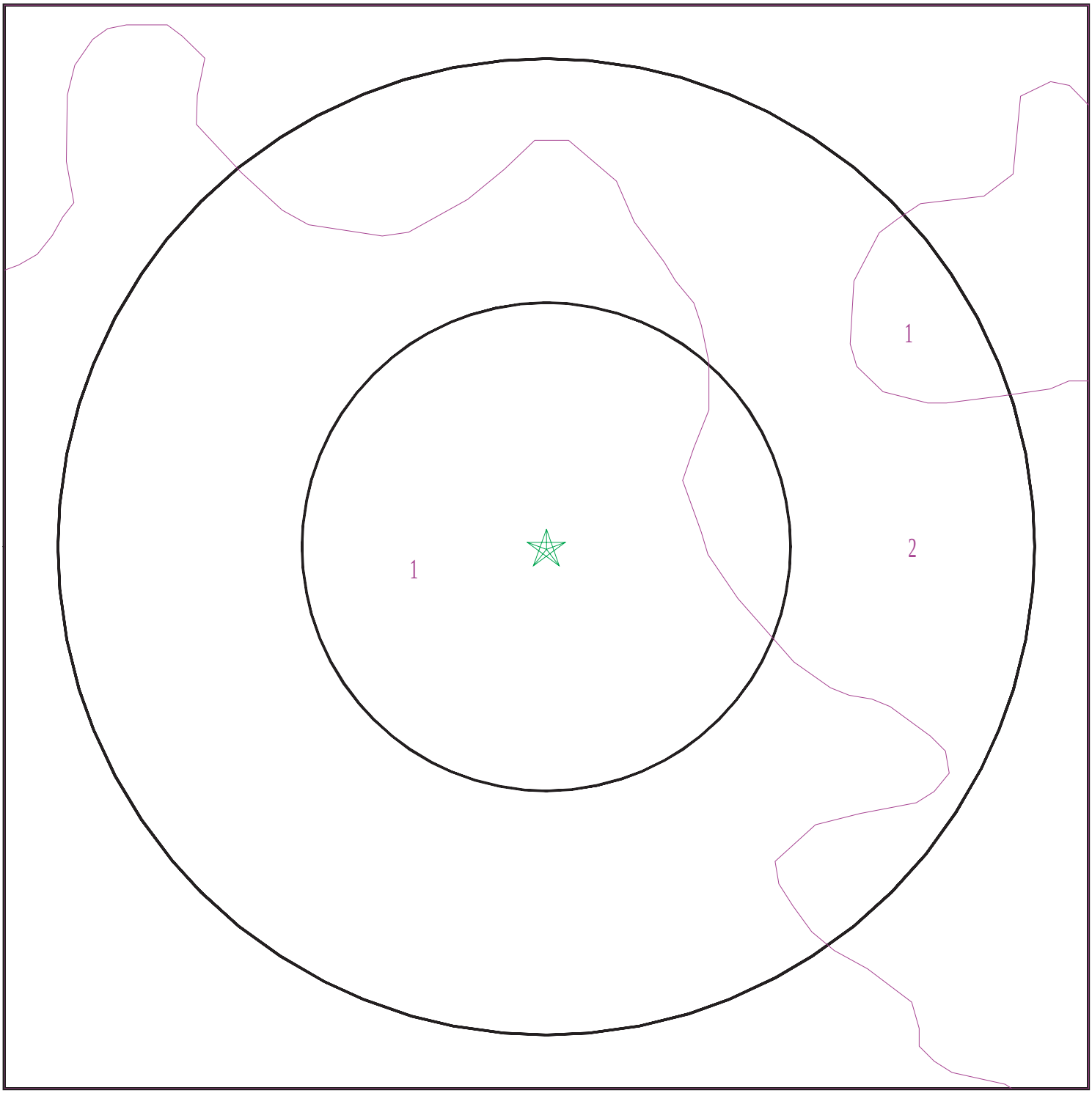
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary volcanic rocks
Code:	Qv *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Volcanic Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 02888241.26r



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME: Pocatello BR No. 3 ADDRESS: Pocatello BR No. 3 Blackfoot ID 83221 LAT/LONG: 43.3090 / 112.8120	CLIENT: Shaw Environmental & Infrastructure CONTACT: Matt Mireiter INQUIRY #: 02888241.26r DATE: October 06, 2010 7:12 pm

Copyright © 2010 EDR, Inc. © 2010 Tele Atlas Rel. 07/2009.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Coffee

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 56 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Not reported	Not reported	Max: Min:	Max: Min:
2	7 inches	25 inches	silt loam	Not reported	Not reported	Max: Min:	Max: Min:
3	25 inches	48 inches	silty clay loam	Not reported	Not reported	Max: Min:	Max: Min:
4	48 inches	57 inches	unweathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 2

Soil Component Name: Lava flows

Soil Surface Texture: unweathered bedrock

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	59 inches	unweathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	3.000
Federal FRDS PWS	Nearest PWS within 2.000 miles
State Database	3.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

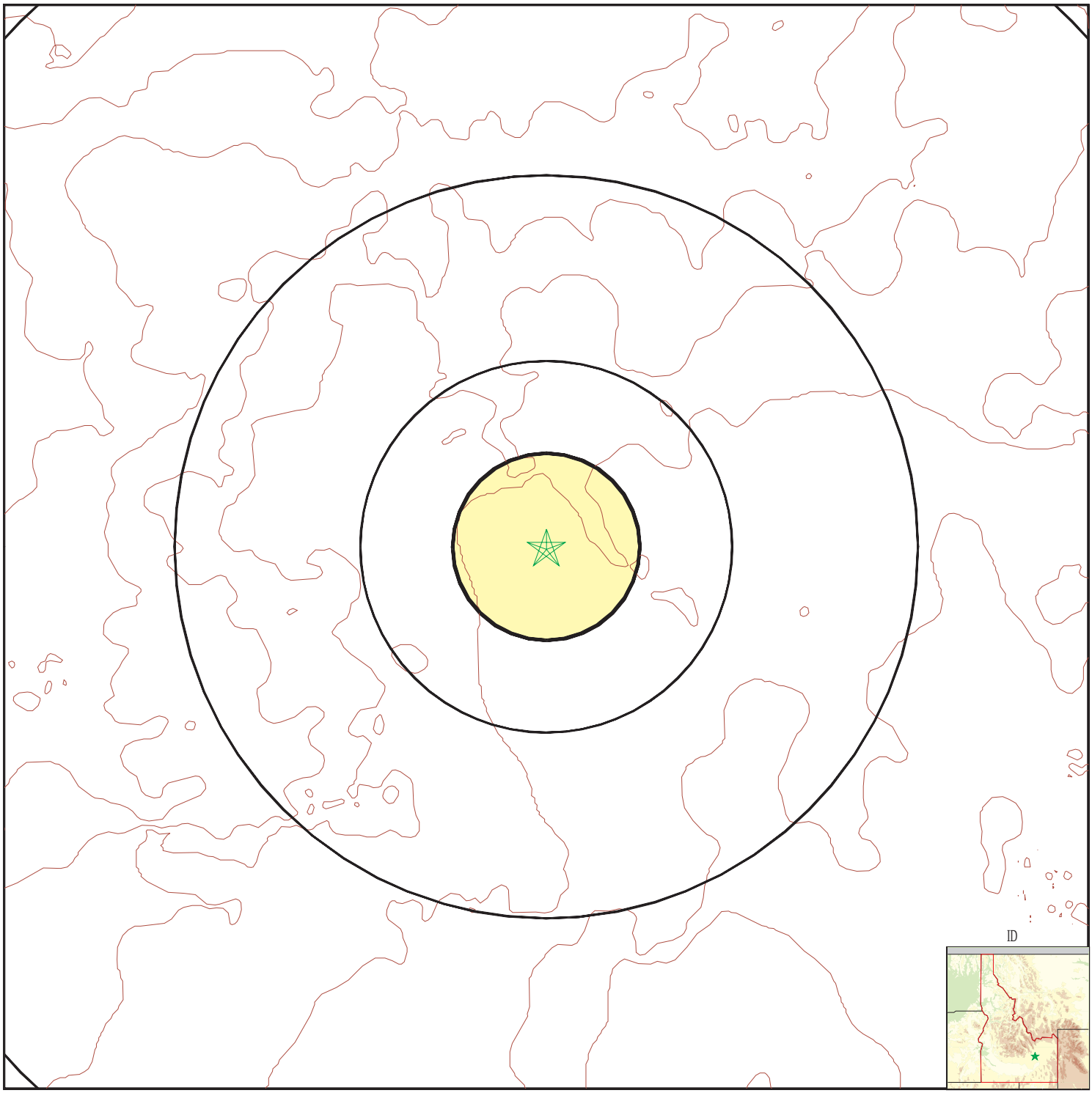
MAP ID	WELL ID	LOCATION FROM TP
1	ID6000000040806	2 - 3 Miles SE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	ID6000000041930	2 - 3 Miles ENE

PHYSICAL SETTING SOURCE MAP - 02888241.26r



County Boundary
Major Roads
Contour Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location

N

SITE NAME: Pocatello BR No. 3 ADDRESS: Pocatello BR No. 3 Blackfoot ID 83221 LAT/LONG: 43.3090 / 112.8120	CLIENT: Shaw Environmental & Infrastructure CONTACT: Matt Mireiter INQUIRY #: 02888241.26r DATE: October 06, 2010 7:12 pm

Copyright © 2010 EDR, Inc. © 2010 Tele Atlas Rel. 07/2009.

Map ID Direction Distance Elevation	Database	EDR ID Number
1 **SE** **2 - 3 Miles** **Lower**	**ID WELLS**	**ID6000000040806**

Objectid:	142575	Wellid:	371190
Permitid:	800274	Metaltagnu:	Not Reported
Owner:	O BOYD JOLLEY		
Driller:	BARRUS DRILLING & PUMP		
Drillerlic:	23	Basinnumbe:	35
Countyname:	BINGHAM		
Township:	01S	Range:	32E
Sec:	31	Qqq:	Not Reported
Qq:	SW	Q:	SW
Govlotnum:	0		
Welladdres:	Not Reported		
Lot:	Not Reported	Block:	Not Reported
Subdivisio:	Not Reported		
Welluse:	Domestic		
Production:	9999		
Staticwate:	37		
Surfacedia:	0		
Casingdiam:	0		
Casingdept:	0		
Totaldepth:	65	Constructi:	02/11/1969
Datasource:	QQ		
Well url:	http://www.idwr.idaho.gov/apps/appsWell/RelatedDocs.asp?WellID=371190		
Wellnumber:	Not Reported	Wateruse:	Not Reported
Wateruse2:	Not Reported	Completion:	Not Reported
Elevation:	Not Reported		
X:	0		
Y:	0		
Quad:	Not Reported	Link:	Not Reported
Site id:	ID6000000040806		

---

2 **ENE** **2 - 3 Miles** **Higher**	**ID WELLS**	**ID6000000041930**

Objectid:	138811	Wellid:	382832
Permitid:	812130	Metaltagnu:	Not Reported
Owner:	EVELYN HILL		
Driller:	BARRUS DRILLING & PUMP		
Drillerlic:	23	Basinnumbe:	35
Countyname:	BINGHAM		
Township:	01S	Range:	32E
Sec:	19	Qqq:	Not Reported
Qq:	NE	Q:	NW
Govlotnum:	0		
Welladdres:	Not Reported		
Lot:	Not Reported	Block:	Not Reported
Subdivisio:	Not Reported		
Welluse:	Domestic		
Production:	0		
Staticwate:	38		
Surfacedia:	0		
Casingdiam:	0		
Casingdept:	0		
Totaldepth:	73	Constructi:	01/27/1981

Datasource:	QQ		
Well url:	http://www.idwr.idaho.gov/apps/appsWell/RelatedDocs.asp?WellID=382832		
Wellnumber:	Not Reported	Wateruse:	Not Reported
Wateruse2:	Not Reported	Completion:	Not Reported
Elevation:	Not Reported		
X:	0		
Y:	0		
Quad:	Not Reported	Link:	Not Reported
Site id:	ID6000000041930		

AREA RADON INFORMATION

State Database: ID Radon

Radon Test Results (pCi/L)

County	Zip	Date	Floor	Result pCi/L	Avg pCi/L
BINGHAM	83221	11/6/1998	1	0.1	5.2
BINGHAM	83221	11/15/2001	1	0.1	5.2
BINGHAM	83221	12/4/2002	3	0.3	5.2
BINGHAM	83221	5/27/1997		0.3	5.2
BINGHAM	83221	6/21/2002	1	0.3	5.2
BINGHAM	83221	11/19/2001	1	0.5	5.2
BINGHAM	83221	10/27/1999	1	0.6	5.2
BINGHAM	83221	10/28/1999	1	0.6	5.2
BINGHAM	83221	2/18/1998	1	0.7	5.2
BINGHAM	83221	11/13/2001	B	0.7	5.2
BINGHAM	83221	4/21/1990	1	0.7	5.2
BINGHAM	83221	5/28/1998	B	0.8	5.2
BINGHAM	83221	2/9/1997		0.8	5.2
BINGHAM	83221	10/27/1999	1	0.9	5.2
BINGHAM	83221	3/3/2000	1	0.9	5.2
BINGHAM	83221	4/1/2001	1	1.0	5.2
BINGHAM	83221	3/5/1990	B	1.3	5.2
BINGHAM	83221	10/27/1999	B	1.3	5.2
BINGHAM	83221	11/9/1998	1	1.3	5.2
BINGHAM	83221	8/9/1993	B	1.3	5.2
BINGHAM	83221	2/25/1997		1.3	5.2
BINGHAM	83221	2/25/1997		1.3	5.2
BINGHAM	83221	3/1/2000	B	1.4	5.2
BINGHAM	83221	11/14/2001	B	1.4	5.2
BINGHAM	83221	2/17/2003	1	1.5	5.2
BINGHAM	83221	11/5/1998	1	1.5	5.2
BINGHAM	83221	11/5/1998	B	1.6	5.2
BINGHAM	83221	5/1/1990	1	1.6	5.2
BINGHAM	83221	3/1/2000	B	1.6	5.2
BINGHAM	83221	11/6/1998		1.7	5.2
BINGHAM	83221	3/3/1998		1.8	5.2
BINGHAM	83221	3/21/2001	1	1.8	5.2
BINGHAM	83221	2/10/1999	B	1.8	5.2
BINGHAM	83221	3/14/1990	1	1.9	5.2
BINGHAM	83221	12/5/2001	1	2.0	5.2
BINGHAM	83221	4/4/2000	1	2.0	5.2
BINGHAM	83221	12/2/2001	B	2.0	5.2
BINGHAM	83221	11/14/2003	B	2.0	5.2
BINGHAM	83221	2/14/1998	1	2.0	5.2
BINGHAM	83221	10/25/1996		2.1	5.2
BINGHAM	83221	2/16/2002	1	2.1	5.2
BINGHAM	83221	3/18/1990	B	2.1	5.2
BINGHAM	83221	11/5/2001	B	2.1	5.2
BINGHAM	83221	11/16/2001	B	2.2	5.2
BINGHAM	83221	11/5/1998	1	2.2	5.2
BINGHAM	83221	11/13/2001	1	2.2	5.2
BINGHAM					

AREA RADON INFORMATION

	83221	11/21/2001		2.2	5.2
BINGHAM	83221	2/3/1996		2.2	5.2
BINGHAM	83221	11/1/1999	B	2.3	5.2
BINGHAM	83221	2/17/1999	1	2.3	5.2
BINGHAM	83221	3/3/2000	1	2.3	5.2
BINGHAM	83221	11/16/2001	1	2.3	5.2
BINGHAM	83221	3/2/2000	B	2.4	5.2
BINGHAM	83221	11/9/1998	1	2.4	5.2
BINGHAM	83221	11/11/1997	B	2.4	5.2
BINGHAM	83221	11/5/2001	B	2.4	5.2
BINGHAM	83221	10/25/1996		2.4	5.2
BINGHAM	83221	11/20/2002	B	2.4	5.2
BINGHAM	83221	6/13/2001	B	2.5	5.2
BINGHAM	83221	11/26/2002	1	2.5	5.2
BINGHAM	83221	12/9/2001	B	2.6	5.2
BINGHAM	83221	10/27/1999	1	2.6	5.2
BINGHAM	83221	3/8/2000	B	2.6	5.2
BINGHAM	83221	2/3/1996		2.6	5.2
BINGHAM	83221	3/2/2002	B	2.6	5.2
BINGHAM	83221	2/28/2003	B	2.7	5.2
BINGHAM	83221	12/2/2001	B	2.8	5.2
BINGHAM	83221	2/16/2002	1	2.8	5.2
BINGHAM	83221	10/27/1999	1	2.8	5.2
BINGHAM	83221	2/10/1999	B	2.8	5.2
BINGHAM	83221	2/6/2003	1	2.8	5.2
BINGHAM	83221	3/5/2000	B	2.9	5.2
BINGHAM	83221	2/13/1999	1	3.0	5.2
BINGHAM	83221	1/28/2003	B	3.0	5.2
BINGHAM	83221	10/27/1999	B	3.1	5.2
BINGHAM	83221	2/20/2003	B	3.2	5.2
BINGHAM	83221	4/18/1997		3.3	5.2
BINGHAM	83221	10/29/1999	B	3.3	5.2
BINGHAM	83221	2/11/1999	B	3.3	5.2
BINGHAM	83221	11/1/1999		3.4	5.2
BINGHAM	83221	10/26/1999	B	3.5	5.2
BINGHAM	83221	3/21/2001	B	3.5	5.2
BINGHAM	83221	11/25/2002	1	3.5	5.2
BINGHAM	83221	11/17/2001	B	3.7	5.2
BINGHAM	83221	11/15/2001	B	3.7	5.2
BINGHAM	83221	2/23/1999	B	3.8	5.2
BINGHAM	83221	2/12/1998	B	3.8	5.2
BINGHAM	83221	3/24/1990	B	3.8	5.2
BINGHAM	83221	3/2/2000	B	3.9	5.2
BINGHAM	83221	2/12/1998	1	4.2	5.2
BINGHAM	83221	1/11/1994	B	4.2	5.2
BINGHAM	83221	1/11/1994	B	4.3	5.2
BINGHAM	83221	10/30/1999	B	4.4	5.2
BINGHAM	83221	11/15/2001	B	4.5	5.2
BINGHAM	83221	1/28/2002	B	4.5	5.2
BINGHAM	83221	11/5/1998	B	4.7	5.2
BINGHAM	83221	5/5/2003	B	4.8	5.2
BINGHAM	83221	2/11/1999	B	4.8	5.2
BINGHAM	83221	10/30/2001	B	4.8	5.2
BINGHAM	83221	11/14/2001	B	4.9	5.2
BINGHAM	83221	2/11/1999	B	5.1	5.2
BINGHAM	83221	11/29/2002	1	5.1	5.2
BINGHAM					

AREA RADON INFORMATION

	83221	3/3/2000	1	5.2	5.2
BINGHAM	83221	11/17/2003	B	5.2	5.2
BINGHAM	83221	3/1/2000	B	5.3	5.2
BINGHAM	83221	10/27/1999	B	5.5	5.2
BINGHAM	83221	11/15/2001	2	5.6	5.2
BINGHAM	83221	11/25/2002	3	5.7	5.2
BINGHAM	83221	2/12/1998	B	5.7	5.2
BINGHAM	83221	3/1/2000	B	5.9	5.2
BINGHAM	83221	11/13/2001	1	5.9	5.2
BINGHAM	83221	2/20/2003	B	6.1	5.2
BINGHAM	83221	4/11/2001	1	6.3	5.2
BINGHAM	83221	2/13/1999	B	6.4	5.2
BINGHAM	83221	10/28/1999	B	6.6	5.2
BINGHAM	83221	3/19/2001	B	6.7	5.2
BINGHAM	83221	11/15/2003	B	6.8	5.2
BINGHAM	83221	3/9/1990	B	6.9	5.2
BINGHAM	83221	2/12/1998	B	7.0	5.2
BINGHAM	83221	11/15/2003	B	7.0	5.2
BINGHAM	83221	10/27/1999	B	7.1	5.2
BINGHAM	83221	10/29/1999	B	7.3	5.2
BINGHAM	83221	11/16/2001	B	7.5	5.2
BINGHAM	83221	11/20/2001	B	7.6	5.2
BINGHAM	83221	10/27/1999	B	8.9	5.2
BINGHAM	83221	11/5/1998	3	9.1	5.2
BINGHAM	83221	11/26/2002	B	9.3	5.2
BINGHAM	83221	4/17/1997		9.3	5.2
BINGHAM	83221	2/10/2003	B	9.7	5.2
BINGHAM	83221	3/19/2001	B	10.2	5.2
BINGHAM	83221	1/11/2002	B	10.7	5.2
BINGHAM	83221	2/14/1998	B	10.9	5.2
BINGHAM	83221	2/17/2004	B	11.4	5.2
BINGHAM	83221	3/8/2003	3	11.9	5.2
BINGHAM	83221	5/20/2003	B	16.2	5.2
BINGHAM	83221	11/1/1999	B	16.7	5.2
BINGHAM	83221	3/1/2000	B	19.3	5.2
BINGHAM	83221	12/16/2002	B	20.1	5.2
BINGHAM	83221	3/16/2002	B	21.1	5.2
BINGHAM	83221	4/26/2002	B	21.9	5.2
BINGHAM	83221	12/6/2002	B	26.0	5.2
BINGHAM	83221	11/7/1998	B	32.2	5.2
BINGHAM	83221	3/2/2000	B	42.3	5.2
BINGHAM	83221	11/8/1998	B	51.9	5.2

Federal EPA Radon Zone for BINGHAM County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 83221

Number of sites tested: 4

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.400 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	3.525 pCi/L	75%	25%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Department of Water Resources
Telephone: 208-287-4800

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Permitted Wells
Wells permitted or licensed by Idaho Department of Water Resources
Agency: Department of Water Resources
Phone: 208-287-4800

Water Level Monitoring Wells
This dataset shows the locations of monitoring wells.
Agency: Department of Water Resources
Phone: 208-287-4800

OTHER STATE DATABASE INFORMATION

RADON

State Database: ID Radon
Source: Department of Health & Welfare
Telephone: 208-332-7319
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

STREET AND ADDRESS INFORMATION

© 2010 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

Pocatello BR No. 3

Pocatello BR No. 3

Blackfoot, ID 83221

Inquiry Number: 2888241.29

October 08, 2010

The EDR Aerial Photo Decade Package

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2010 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Date EDR Searched Historical Sources:

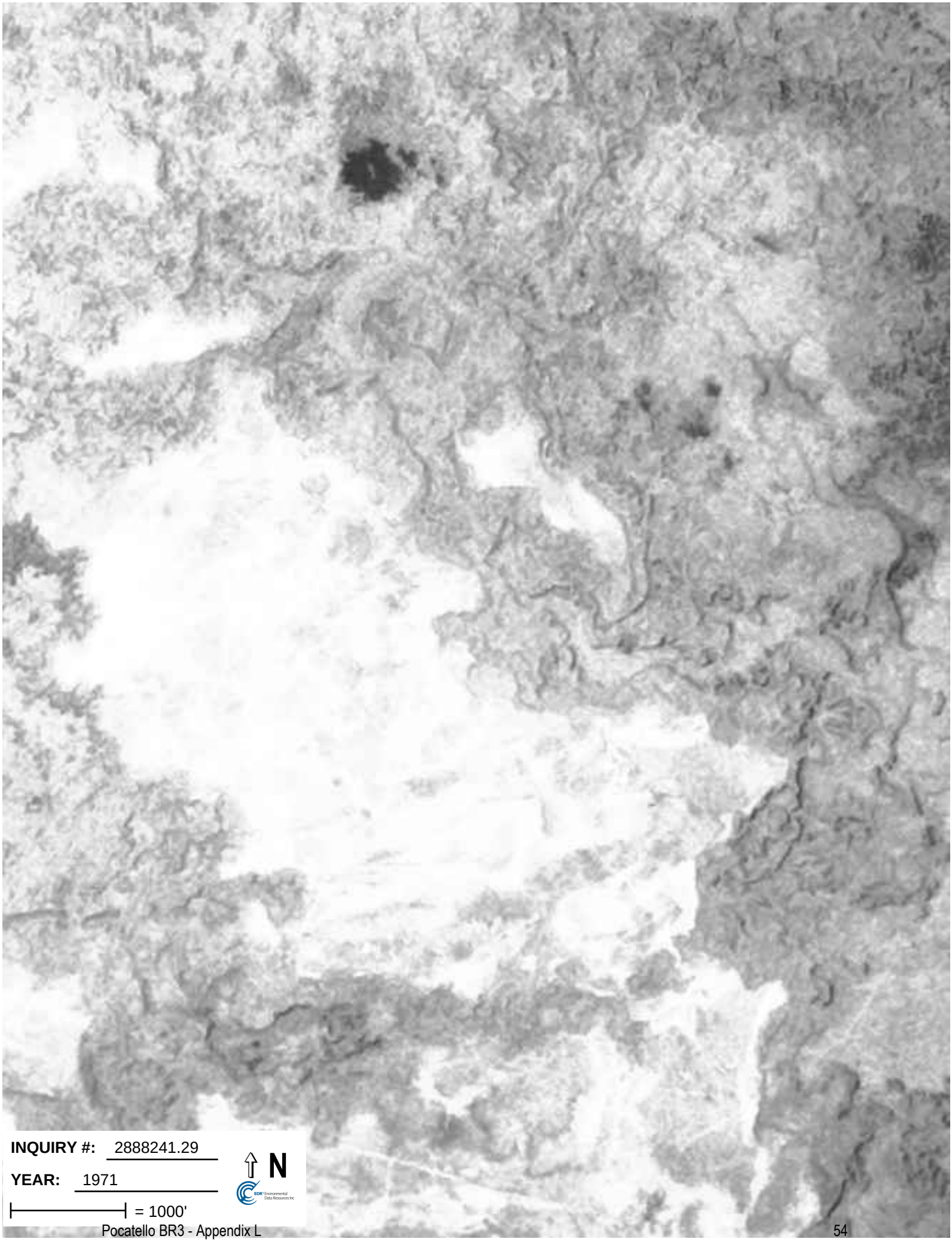
Aerial Photography October 08, 2010

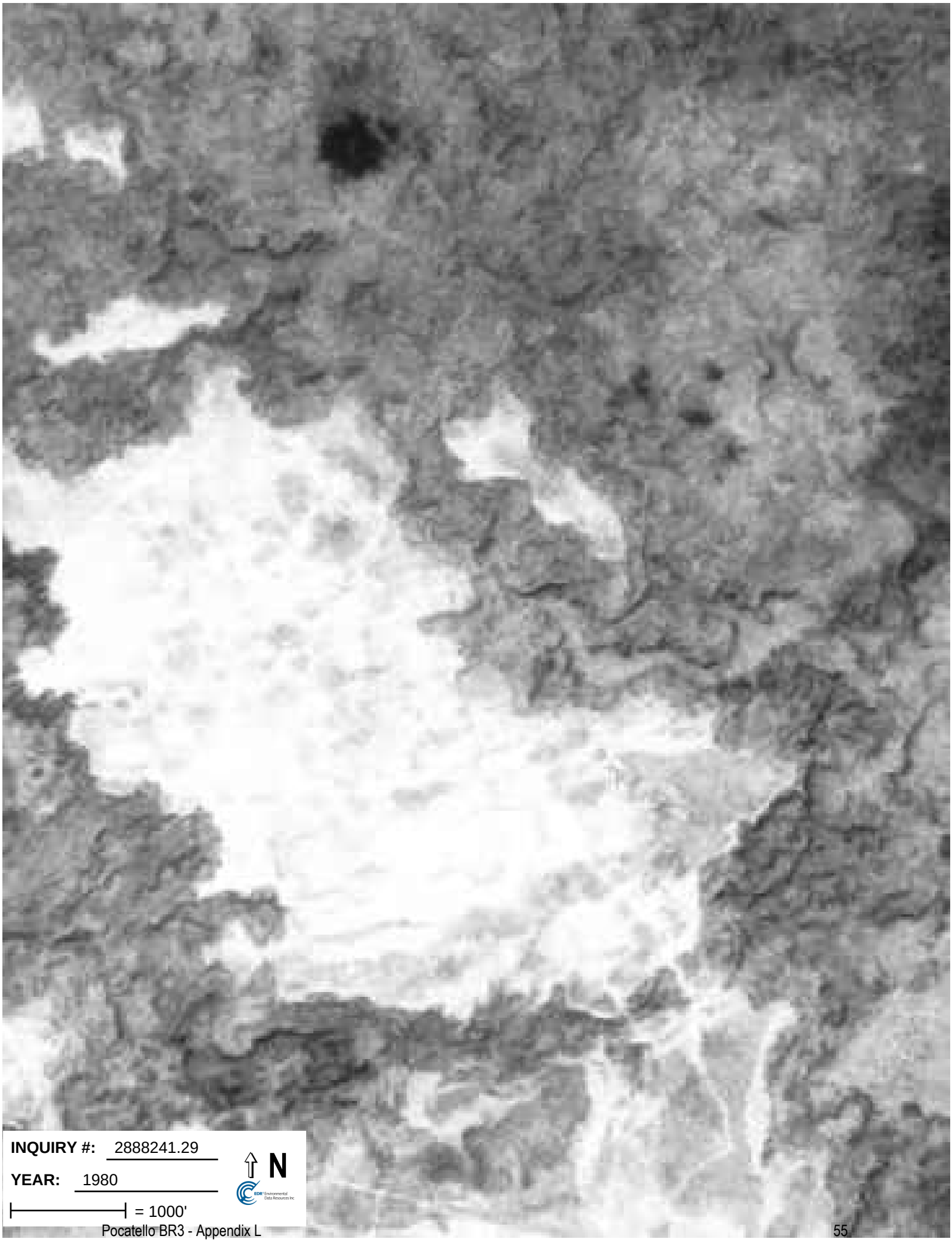
Target Property:

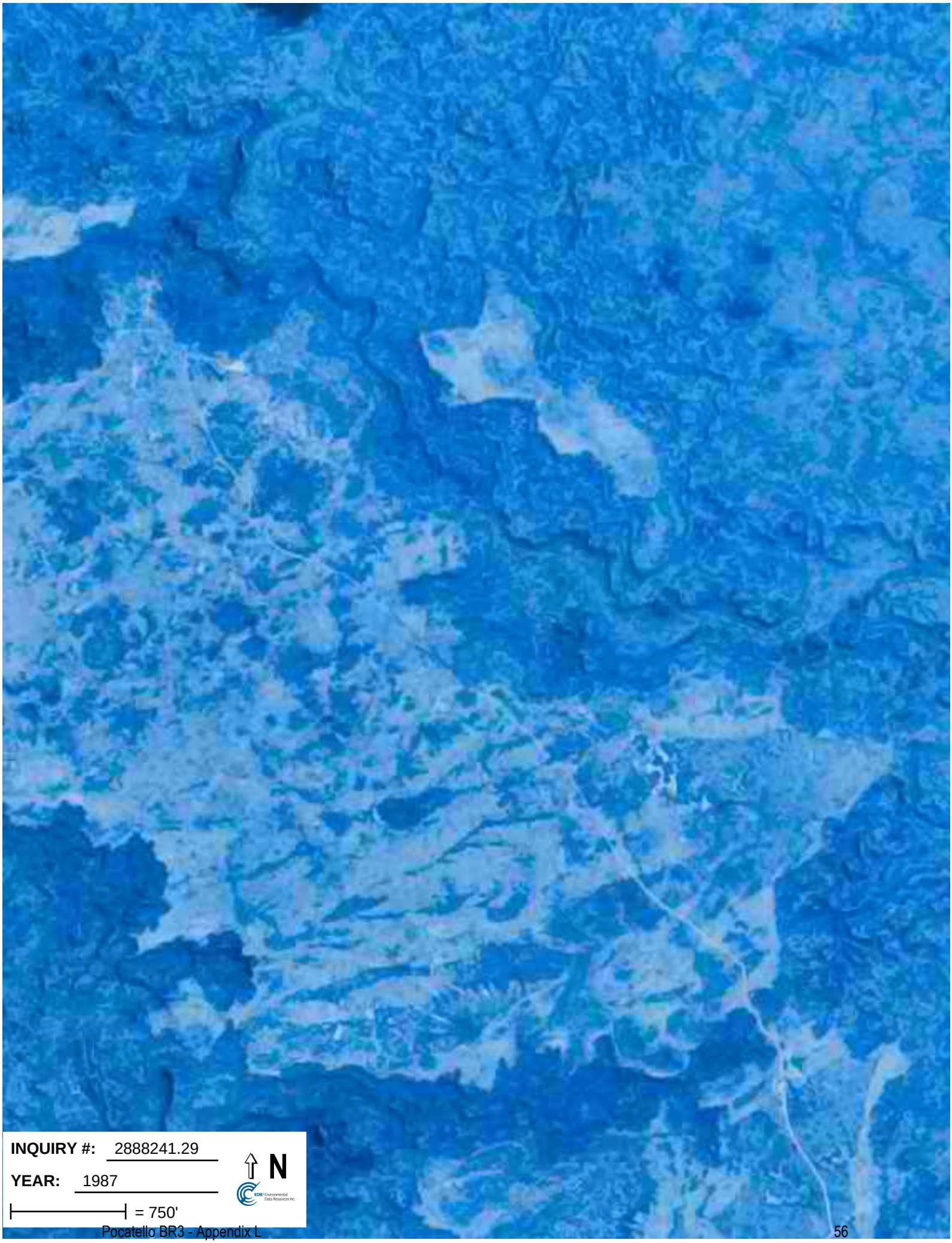
Pocatello BR No. 3

Blackfoot, ID 83221

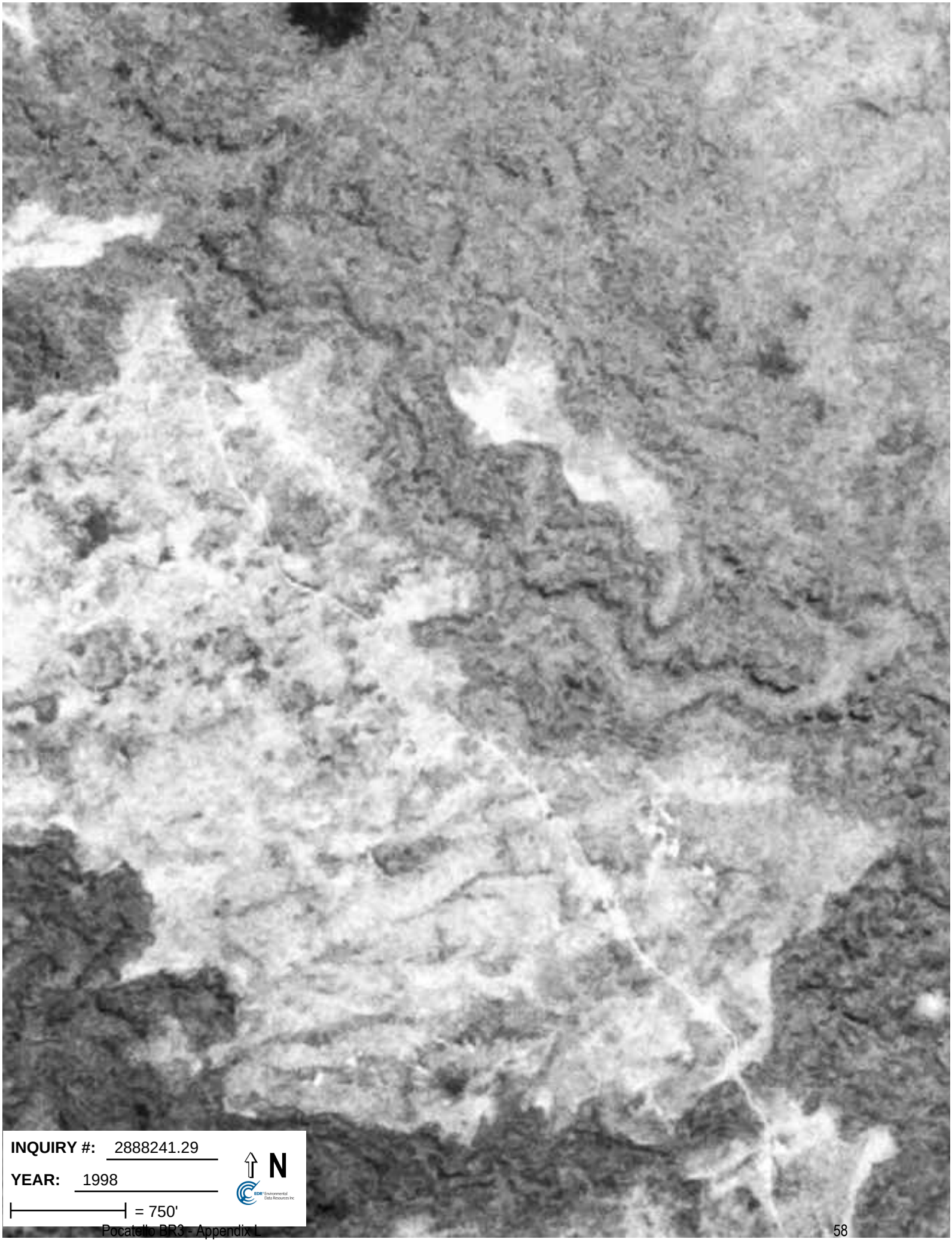
Year	***Scale***	***Details***	***Source***
1971	Aerial Photograph. Scale: 1"=1000'	Panel #: 43112-C7, Lava Lake Reservoir, ID;/Flight Date: September 23, 1971	EDR
1980	Aerial Photograph. Scale: 1"=1000'	Panel #: 43112-C7, Lava Lake Reservoir, ID;/Flight Date: August 24, 1980	EDR
1987	Aerial Photograph. Scale: 1"=750'	Panel #: 43112-C7, Lava Lake Reservoir, ID;/Flight Date: July 31, 1987	EDR
1992	Aerial Photograph. Scale: 1"=750'	Panel #: 43112-C7, Lava Lake Reservoir, ID;/Flight Date: September 09, 1992	EDR
1998	Aerial Photograph. Scale: 1"=750'	Panel #: 43112-C7, Lava Lake Reservoir, ID;/Flight Date: May 28, 1998	EDR


INQUIRY #: 2888241.29
YEAR: 1971
= 1000'
N


INQUIRY #: 2888241.29
YEAR: 1980
= 1000'
N


INQUIRY #: 2888241.29
YEAR: 1987
= 750'
N

INQUIRY #: 2888241.29
YEAR: 1992
= 750'
N


INQUIRY #: 2888241.29
YEAR: 1998
= 750'
N

Pocatello BR No. 3

Pocatello BR No. 3

Blackfoot, ID 83221

Inquiry Number: 2888241.28

October 07, 2010

EDR Historical Topographic Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

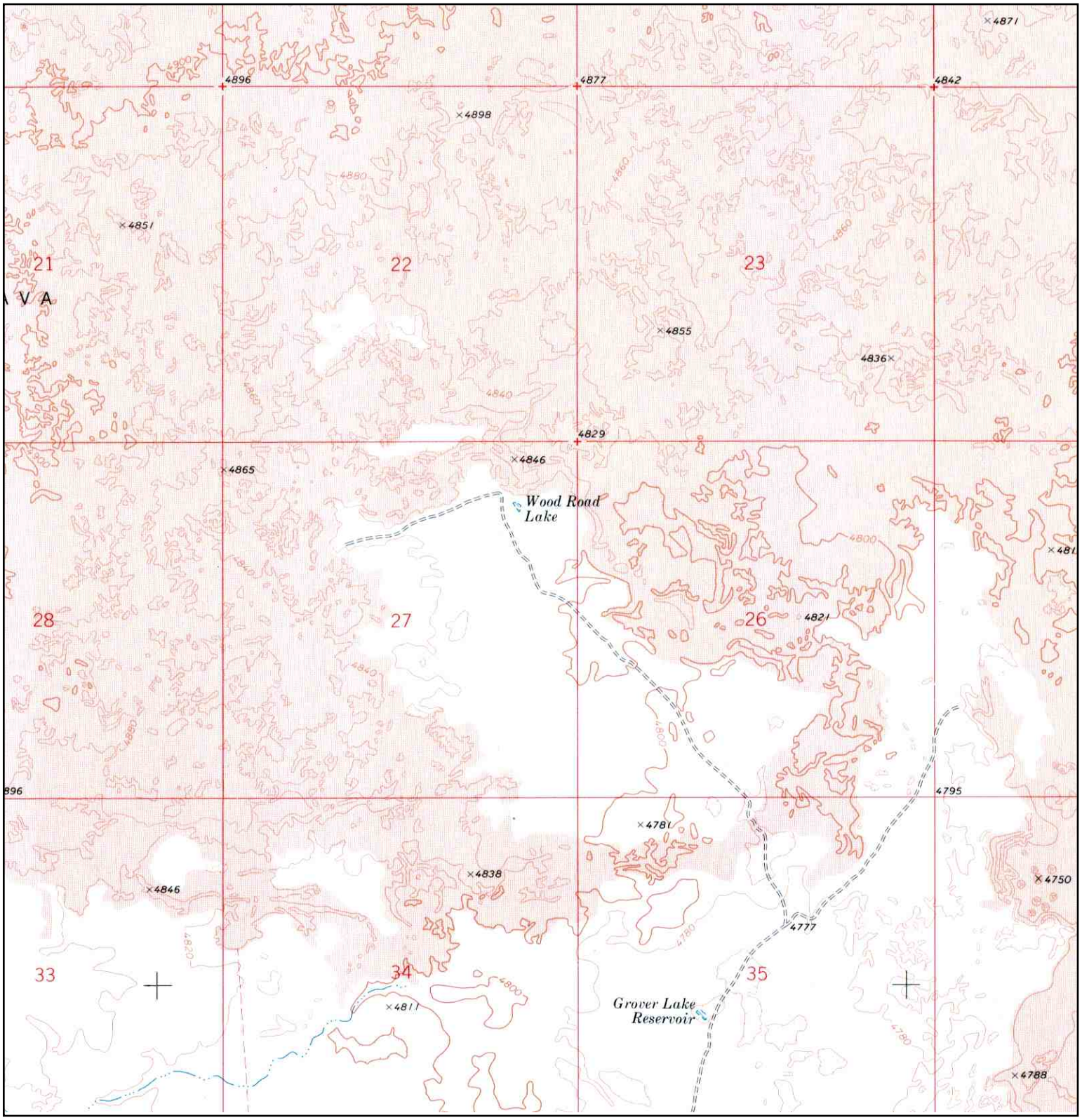
Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2010 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Historical Topographic Map



N	TARGET QUAD NAME: LAVA LAKE RESERVOIR MAP YEAR: 1973 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Pocatello BR No. 3 ADDRESS: Pocatello BR No. 3 Blackfoot, ID 83221 LAT/LONG: 43.309 / -112.812	CLIENT: Shaw Environmental & Infrastructure CONTACT: Matt Mireiter INQUIRY#: 2888241.28 RESEARCH DATE: 10/07/2010

Pocatello BR No. 3

Pocatello BR No. 3

Blackfoot, ID 83221

Inquiry Number: 2888241.27

October 06, 2010

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

10/06/10

Site Name:
Pocatello BR No. 3
Pocatello BR No. 3
Blackfoot, ID 83221

Client Name:
Shaw Environmental &
7604 Technology Way
Denver, CO 80237

EDR Inquiry # 2888241.27

Contact: Matt Mireiter

EDR® Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Shaw Environmental & Infrastructure were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name:	Pocatello BR No. 3
Address:	Pocatello BR No. 3
City, State, Zip:	Blackfoot, ID 83221
Cross Street:	
P.O. #	17803000
Project:	17803000
Certification #	8005-491F-908A

Sanborn® Library search results
Certification # 8005-491F-908A

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

Shaw Environmental & Infrastructure (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

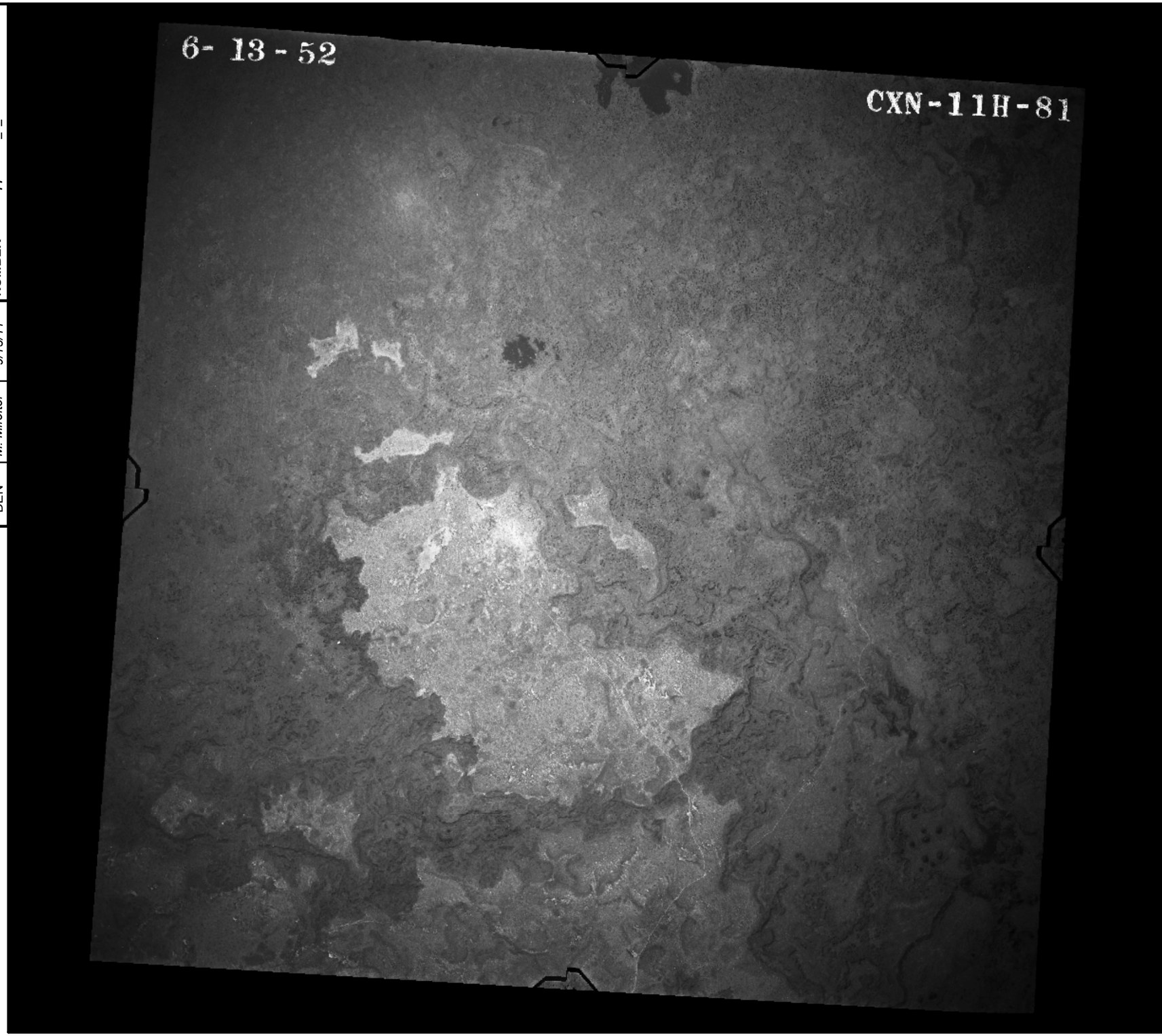
Disclaimer - Copyright and Trademark notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2010 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

OFFICE	DRAWN BY		DRAWING NUMBER
DEN	M. Mireiter	9/13/11	178_PocatelloBR3_040_AppendixL_1_SI



NOTES:
1) Aerial photograph was obtained from the National Archives and Records Administration and is dated June 13, 1952.

N

0 875 1,750 3,500 Feet

REFERENCE/PROJECTION: NAD 83 UTM Zone 12N

FIGURE L-1

HISTORICAL AERIAL PHOTOGRAPH

POCATELLO BOMBING RANGE NO. 3
FUDS PROPERTY NUMBER F10ID0128

US Army Corps of Engineers®
Omaha District

Shaw®